RWJ Consulting

DONLIN CREEK PROJECT

2009 WILDLIFE OBSERVATIONS ON THE KUSKOKWIM RIVER

FINAL REPORT



February 2010
Document #DON002-503

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Prepared By

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Prepared For

DONLIN CREEK LLC
Anchorage, Alaska

February 2010
Document #DON002-503

Cover Photo: Greater scaup (*Aythya marila*) at small pond in Bethel near the Kuskokwim River in 2006. Photo by Shawn Harper.

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List of Acronyms and Abbreviations

°F	degrees Fahrenheit
%	percent
ADC	Atmospheric Data Center
ADF&G	Alaska Department of Fish and Game
ADLWD	Alaska Department of Labor and Workforce Development
ADN	*Anchorage Daily News* (newspaper)
AK	Alaska
AVCP	Association of Village Council Presidents
B	Breeding activities observed (Table 6)
BNC	Bethel Native Corporation
Co.	Company
Dr.	Doctor
ed.	editor
eds.	editors
e.g.	for example
et al.	and others
ft	feet
GPS	Global Positioning System
i.e.	that is
Inc.	Incorporated
km	kilometer
LCD	Liquid crystal display
LLC	Limited Liability Company
MMSI	Marine Mammal Sighting Information (data form)
N/A	Not applicable or not available
NOAA	National Oceanic and Atmospheric Administration
NSO	Non-survey observations
NWR	National Wildlife Refuge
ONC	Orutsararmiut Native Council
Pers. Commun.	Personal communication
pp.	pages
QA	Quality Assurance
TNWR	Togiak National Wildlife Refuge
UAF	University of Alaska Fairbanks
USDOC	U.S. Department of Commerce
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UTM	Universal Transverse Mercator

Acknowledgements

The lower Kuskokwim River wildlife observations initiated in 2006, and continued in 2007, 2008, and 2009, would not have been possible without the support of a number of organizations including Napakiak Corporation, the Alaska Sea Grant Marine Advisory Program (Bethel), the Alaska Department of Fish and Game (ADF&G), the U.S. Fish and Wildlife Service (USFWS), the Tuntutuliak and Eek Island Tribal Administrators, and the University of Alaska Fairbanks (UAF) Kuskokwim Campus staff. Napakiak Corporation allowed access to their lands by the project team to establish fixed, shore-based viewing stations in the Fowler Island and Johnson River area and also shared their knowledge of the Kuskokwim River and its resources with the project team. The project team would also especially like to thank Daniel Nelson (Napakiak Corporation), Mary Pete (Kuskokwim Campus), Terry Reeve (Marine Advisory Program), and Dorie Wassilie (providing house for team members in Tuntutuliak). In addition, several individuals of the Association of Village Council Presidents (AVCP), Bethel Native Corporation (BNC), Orutsararmuit Native Council (ONC), and Tribal Administrators from the region have continued to provide input and information that assisted the project team.

Several other individuals were key to the success of the 2009 field effort due to their assistance in the field and/or their local knowledge of the Kuskokwim River and its resources. These included (in alphabetical order): Carl Andrew of Tuntutuliak (wildlife observer, boat operator and logistics); Nathan Collin of Fairbanks (Bethel Field Coordinator); Matthew Frank of Tuntutuliak (boat operator and logistics); LeRoy Friendly of Tuntutuliak (wildlife observer, boat operator, and logistics); Shawn Harper of Fairbanks (wildlife observer); Brian M. Henry of Akiachak (boat operator and logistics); Ron Kaiser of Bethel (boat owner and logistics); Brent Latham of Bethel (boat operator and logistics); Dale Moses of Bethel (boat operator and logistics); and Roger Rothschild of Bethel (wildlife observer and boat operator).

1.0 Introduction

The Donlin Creek Project (Project) is currently being assessed by Donlin Creek LLC (Donlin) for the potential of developing a large year-round gold mining operation. The Project site is located on the Kuskokwim River, approximately 270 miles (435 kilometers [km]) west of Anchorage and 12 miles (19 km) north of the community of Crooked Creek (see Figure 1 inset map). Scoping level studies began in 2006 to assess the viability and economics of the Project, along with infrastructure planning and baseline environmental studies.

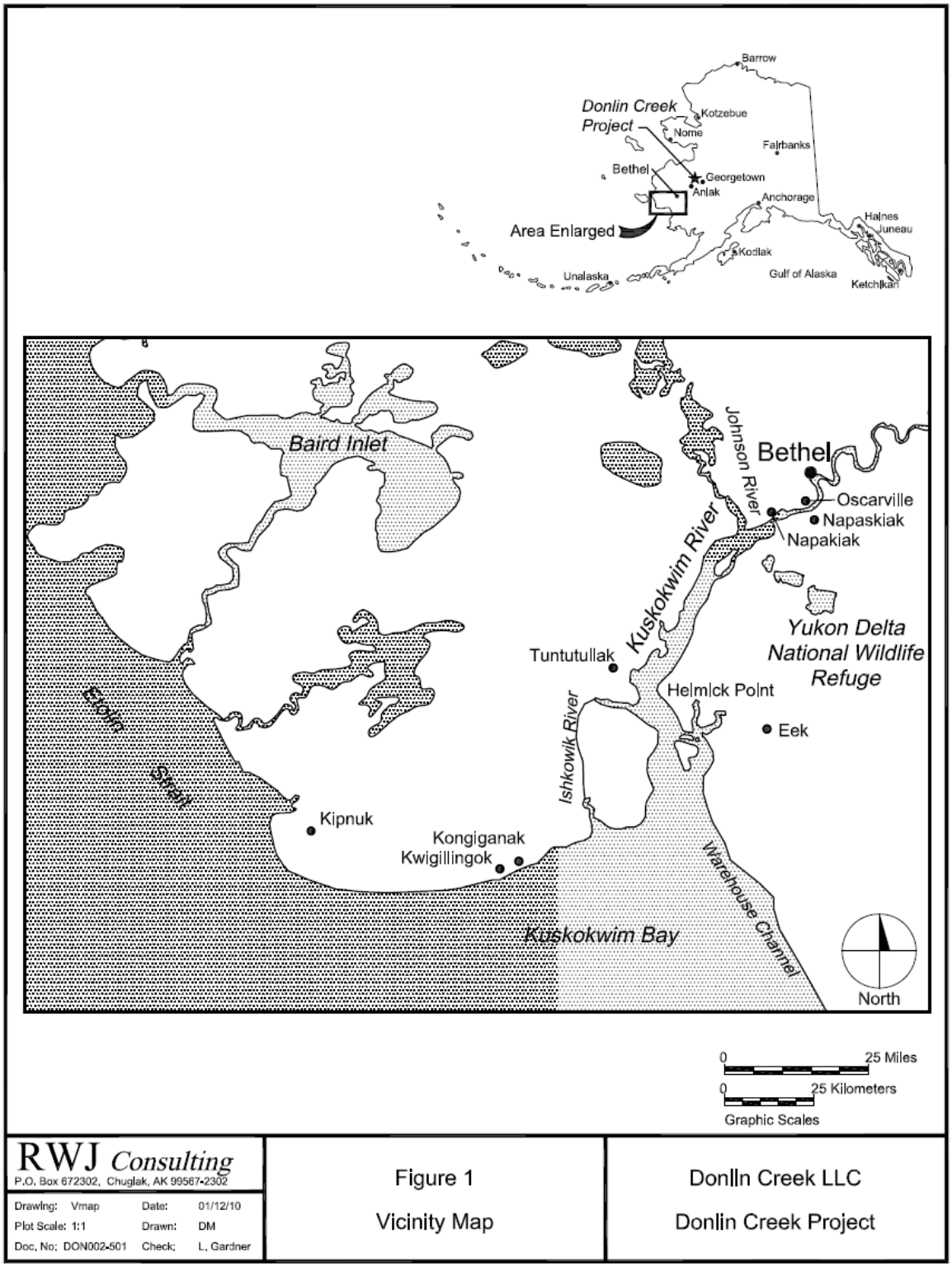
One of the many needs identified in the early planning of the Project is the means of transporting large quantities of materials to the Project site. One scenario under consideration is marine barging of fuel and supplies to the lower Kuskokwim River, followed by shallow-draft river barging upriver to a proposed dock site located in the area of Birch Tree Crossing. The proposed dock site is located approximately 12 miles (19 km) downriver of the village of Aniak; this dock site is also the proposed road terminus for a road connecting the proposed mine site to the Kuskokwim River. In addition, locations in the vicinity of Bethel, Fowler Island, and Helmick Point have variously been considered as fuel and cargo transfer facilities.

In 2006, RWJ Consulting was retained by the Project to address some of the environmental issues relative to potential barging activity. Two issues examined in 2006 were: 1) the kind and quantity of wildlife in the vicinity of a proposed floating dock near Fowler Island during the active barging season (see Jewett et al. 2007a), and 2) the extent of subsistence and commercial fishing activity along the Kuskokwim River from the river mouth to Georgetown (see Jewett et al. 2007b).

In 2007, RWJ Consulting continued wildlife observations in the Fowler Island area (see Jewett et al. 2008a) and initiated wildlife observations in the Helmick Point area where an alternative potential lightering location was identified (Jewett et al. 2008a). Fishing activity surveys of subsistence and commercial fishing activity from Georgetown to Eek Island were also conducted in 2007 (Jewett et al. 2008b) as well as sediment sampling of the Kuskokwim River main channel to establish current baseline levels of metals, hydrocarbons, and other contaminants along the proposed barge transit route (Jewett et al. 2008c).

In 2008, RWJ Consulting continued wildlife observations at the Fowler Island area and Helmick Point area stations (Jewett et al. 2009a) as well as the fishing activity surveys from Georgetown to Eek Island (Jewett et al. 2009b). A single aerial survey was also conducted in 2008 to document fishing activity at the peak of activity during mid-June 2008 for the main channel and side sloughs of the Johnson River and Kwethluk River.

In 2009, RWJ Consulting continued the wildlife observations and fishing activity survey field program as implemented in 2008. A single aerial survey was also repeated in mid-June 2009 for the Johnson River and Kwethluk River.



RWJ Consulting P.O. Box 672302, Chugiak, AK 99567-2302 Drawing: Vmap Date: 01/12/10 Plot Scale: 1:1 Drawn: DM Doc. No: DON002-501 Check: L. Gardner	Figure 1 Vicinity Map	Donlin Creek LLC Donlin Creek Project

This report contains the results of the 2009 Wildlife Observations study. The 2009 Fishing Activity Surveys and the single June Aerial Survey are presented in a separate report (see Jewett et al. 2010).

1.1 Background Information

Kuskokwim Bay is approximately 100 miles (160 km) wide (from northwest to southeast) and extends northeast 60 miles (96 km) from the southeastern Bering Sea to the mouth of the Kuskokwim River. It is bounded to the northwest by Cape Avinof and to the southeast by Cape Newenham. The Kuskokwim River heads at the confluence of its East and North Forks and then flows southwest 500 miles (800 km) to empty into Kuskokwim Bay (see Figure 1). The width of the lower 60 miles (96 km) of river (mouth at Eek Island to Napakiak) is 2 to 4 miles (3.2 to 6.4 km) and narrows considerably above the village of Napakiak.

The lower Kuskokwim River (i.e., from the village of Aniak south to Kuskokwim Bay) is contained within the boundaries of the Yukon Delta National Wildlife Refuge (NWR). As noted in U.S. Fish and Wildlife Service (USFWS 2003), in 1909, the deltas of the Yukon and Kuskokwim Rivers (the two largest rivers in Alaska) became the first national refuge for birds on mainland Alaska due to the vast numbers of birds that nest or use the deltas for some portion of the year. The Yukon Delta NWR is one of the largest in the nation and incorporated previously established Clarence Rhode, Nunivak and Hazen Bay refuges. It is administered by the USFWS as part of the National Wildlife Refuge System for "the conservation, management and restoration of the fish, wildlife and plant resources and their habitat…."

The Kuskokwim River is a broad, flat, treeless delta, much of it less than 100 feet (ft) above sea level. This delta provides habitat for geese, ducks, swans, shorebirds, cranes, loons, grebes, migrating salmon and other fishes. Further inland, the wetlands become dryer and provide extensive shrub and forest nesting habitats for an abundance of migrant songbirds (USFWS 2003).

Many species of terrestrial mammals are present in the region including large mammals such as brown and black bear, moose, and caribou. These large terrestrial mammals seldom frequent the lower river in the region of the delta. Occasionally, caribou and musk ox migrate through the region (Henning et al. 1979, Rennick 1988).

Other mammals occurring in this region include mink, beaver, river otter, and red fox that, for example, on the delta may rely on much smaller mammals such as tundra voles, as a major food source. Other non-mammalian predators, such as hawks, also feed on some of these smaller mammals as well as on nesting birds, chicks, and bird eggs (USFWS 2003).

The area's coastal lakes and wetlands are used by several species of migratory waterfowl and shorebirds (USFWS 2003). Kuskokwim River area species of concern have been identified on the *Audubon Alaska 2005 WatchList* (Stenhouse and Senner 2005) and some of these same species occur on the 2007 Audubon National WatchList (National Audubon

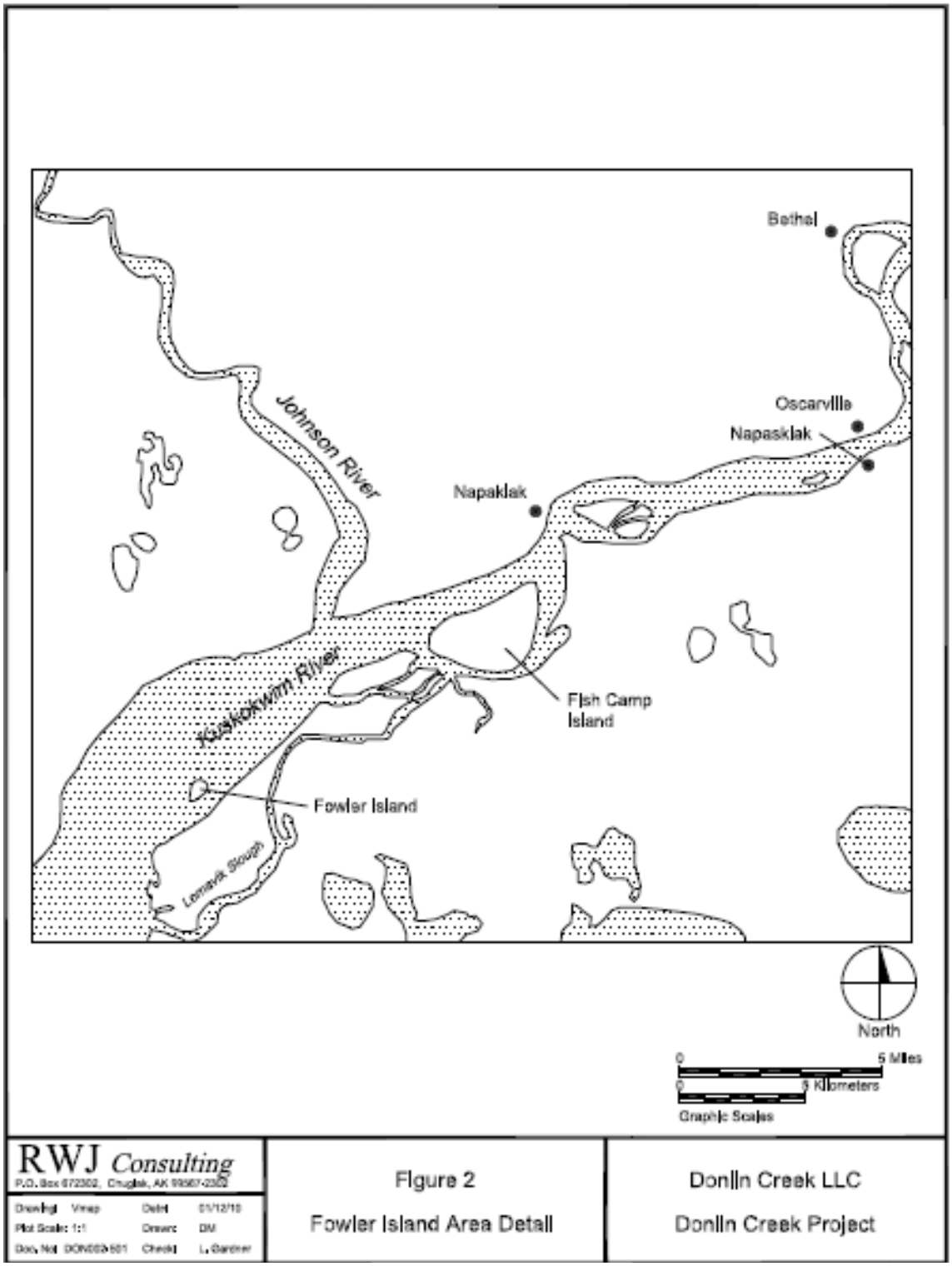
Society 2007; note that the Audubon WatchList is scheduled to be revised/updated in 2010). On the latter list, the rock sandpiper (*Calidris ptilocnemis*) is a Kuskokwim River area species that occurs as a "Red List Species" for the Continental U.S. and Alaska (i.e., species of greatest concern). Several other birds appear on the Audubon's National "Yellow List Species" (i.e., seriously declining or rare species). Audubon has compiled WatchLists for each state in response to requests from its membership and constituency nationwide. Audubon notes that, given limited human and financial resources, state WatchLists provide focus for state education, citizen science, and habitat protection initiatives. Audubon's state WatchLists carry no official authority and are not meant to supplant state lists of Threatened, Endangered and Special Concern species. Note that no species listed as USFWS Threatened or Endangered Species were observed on the lower Kuskokwim River in 2006, 2007, or 2008. See further discussion in Section 3.0 of this report.

Besides birds, the rivers and tributaries of the Kuskokwim River region also support five species of Pacific salmon, rainbow trout, Arctic grayling, lake trout, Dolly Varden, and Arctic char (USFWS 2003). Other fish species important to subsistence users in the lower Kuskokwim River include sheefish, whitefish, northern pike and, during the months of May and June, rainbow smelt (U. S. Department of Commerce [USDOC] 2003).

Marine mammals that can occur in Kuskokwim Bay during various times of the year include spotted seal, harbor seal, ringed seal, bearded seal, Steller sea lion, Pacific walrus, harbor porpoise, minke whale, beluga whale, killer whale, and gray whale (Wynne 1997; USDOC 2003). Of these species, spotted seals, harbor seals, and beluga whales most frequently occur in Kuskokwim Bay and probably venture into the lower Kuskokwim River (Figure 2) at various times of the year to follow salmon runs.

The Togiak National Wildlife Refuge's (TNWR) Marine Mammal Program periodically monitors the abundance and distribution of sea lions, walrus, and seals at selected haulouts in northern Bristol Bay and southern Kuskokwim Bay (e.g., Wilson 1995; MacDonald 1999, 2001, 2002, 2003). For a review of this literature, as well as some additional investigations for the Kuskokwim Bay and lower Kuskokwim River, see Henning et al. (1979), Rennick (1988), and Jewett and Gardner (2005).

With the abundance of wildlife in the area, indigenous Yu'pik people of the region have tapped those resources for many centuries. As a result, they have tremendous knowledge of the Kuskokwim River's "…unstable nature of tundra, sandy riverbanks, and meandering channels" (Lenz and Barker 1985). Lenz and Barker (1985) compiled a 100-year history of the town of Bethel. They reported that the town began as a Moravian mission on the Kuskokwim River in 1885. They wrote "…the mission was built on high ground across the river from a small Yup'ik village, and it was built against the advice of the local shaman who predicted the river would eat the ground from beneath the …


Bethel
Johnson River
Oscarville
Napaskiak
Napaklak
Kuskokwim River
Fish Camp Island
Fowler Island
Lower Sough
North
0 5 Miles
0 5 Kilometers
Graphic Scales
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Figure 2
Fowler Island Area Detail
Donlin Creek LLC
Donlin Creek Project

houses if they chose to ignore his warning. Time was to provide the shaman right. Erosion and crumbling riverbanks have been a threat to Bethel real estate ever since…" (Lenz and Barker 1985).

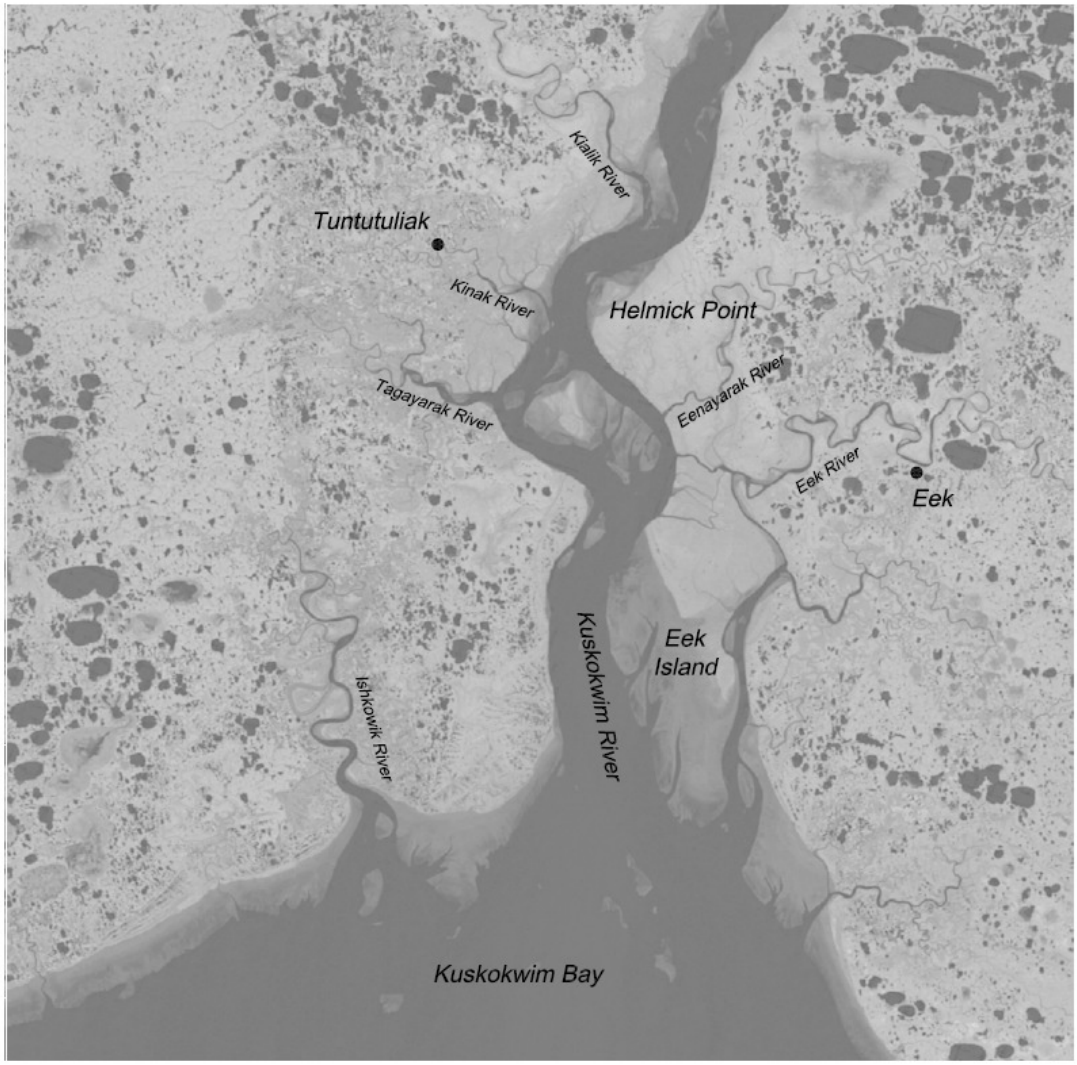
1.2 Study Areas of Interest and Potential Concerns

In 2009 (as well as in 2007 and 2008), the study areas of interest for conducting wildlife observations focused on the lower Kuskokwim River, near the confluence of the Johnson River and 6 to 8 miles (10-13 km) south of the village of Napakiak (Figure 2), and in the area of Helmick Point immediately east of the village of Tuntutuliak (Figure 3). These areas are locations where the Project is considering different transportation options, including barge lightering activities. Once the proposed scale of barging begins on the lower Kuskokwim River (in conjunction with the Project), there could be concerns as to what effects (e.g., noise/activity, bank erosion, spill potential) additional barging activities would have on wildlife that frequent the area during the ice-free (navigable) months. Likewise, subsistence users could have concerns whether access to subsistence resources would be affected or that additional barging activities could cause animals to be displaced from areas of increased activity. Because little area-specific resource information was available, preliminary field studies were initiated in the summer of 2006 and continued in 2007, 2008, and 2009 to gather such information.

Based on prior discussions with Donlin, the Association of Village Council Presidents (AVCP), and resource agencies, information and issues considered for incorporation in the wildlife observation field plan were:

- **Barging activities**: Barging activities presently occur each year on the river (Photos 1 and 2), but are currently not at the levels considered once the Project begins construction and commences operation.

- **Lack of or limited wildlife usage information:** Various wildlife species occur in the lower Kuskokwim River, at least as far north as Bethel, during ice-free (navigable) months. A variety of birds, mainly migratory waterfowl and shorebirds, are assumed to use the region for feeding, nesting, and staging during summer months (Photos 3 and 4). Some marine mammals, particularly seals, harbor porpoise, and beluga whales, supposedly feed on migrating salmon or other aquatic species in the area as they infrequently transit the lower Kuskokwim River. The marine mammal and trace metals literature review completed by Jewett and Gardner (2005) for the lower Kuskokwim River and Kuskokwim Bay did not locate any marine mammal usage information for the study areas of interest or the lower Kuskokwim River in general. Finally, some terrestrial mammals, such as beaver, fox, moose, caribou, and bear, may occur in the areas of interest, but such information is limited to local knowledge.



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Figure 3

Tuntutuliak Area Detail

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Photo 1. *Polar Ranger* tug pulling loaded *Pacific Tender* barge upriver to Bethel on main channel of Kuskokwim River near fixed viewing station ST1 on September 10, 2009. Photo by Roger Rothschild.



Photo 2. *Fish Hawk* tug tied up alongside anchored barge on main channel of Kuskokwim River near fixed viewing station ST6 on September 10, 2009. Photo by Roger Rothschild.



Photo 3. Dunlin (*Calidris alpina*) near Tuntutuliak area wildlife viewing station ST7 on the lower Kuskokwim River on June 11, 2009. Photo by Lee Ann Gardner.



Photo 4. Northern pintail (*Anas acuta*) nest of seven eggs within 100 m of Fowler Island area wildlife viewing station ST1 adjacent to the main channel of the lower Kuskokwim River on May 22, 2009. Photo by Brian M. Henry.

- **Subsistence activities:** A subsistence lifestyle is important to many residents of the region and includes a reliance on marine and Kuskokwim River resources to support this lifestyle. Hunting moose, bear, caribou, and waterfowl; fishing; and gathering berries and firewood are essential life-sustaining activities in this region of Alaska (Alaska Department of Labor and Workforce Development [ADLWD] 2002). As part of the wildlife observations, documentation of subsistence activities observed in the study areas of interest is to be noted.

- **Shoreline erosion:** Shoreline erosion continues to be an issue of concern for villagers living along the Kuskokwim River. Field notes should document changes to viewing station shorelines as a result of storm activities during the field season.

1.3 2009 Goals and Objectives

Based on the previous information and local input, the goals and objectives of the 2009 Wildlife Observations of the Kuskokwim River were to:

- Supplement the regional resource knowledge available with additional site-specific data for the study areas of interest in the vicinity of potential proposed floating dock locations 1) in the Fowler Island area, and 2) near Helmick Point and immediately east of the village of Tuntutuliak.

- Continue conducting wildlife observations (i.e., point counts) from two fixed viewing locations in the Fowler Island area and from three fixed locations in the Helmick Point area using the methods employed in 2006 through 2008.

1.4 Project Team

The 2009 project team consisted of many of the same individuals used during the 2006 through 2008 wildlife observation field programs. Team personnel included Ms. Lee Ann Gardner, an independent consultant, as Project Manager; Dr. Stephen Jewett of the University of Alaska Fairbanks (UAF) Institute of Marine Science as Project Advisor; Mr. Shawn Harper, a UAF Masters Candidate in marine studies as Wildlife Observer; and Mr. Nathan Collin, a former USFWS employee, as the 2009 Bethel Field Coordinator (who held that same position in 2008). In addition, several local individuals who worked on the 2006 through 2008 field programs continued on the team in 2009. For the Fowler Island Team, these were Mr. Brian Henry of Akiachak as a boat operator and provider of logistics support and Mr. Roger Rothschild of Bethel as a wildlife observer and boat operator. For the Tuntutuliak area field team these included: Mr. Carl Andrew of Tuntutuliak (wildlife observer, boat operator, and logistics); Mr. Matthew Frank of Tuntutuliak (boat operator and logistics); and Mr. LeRoy Friendly of Tuntutuliak (wildlife observer, boat operator, and logistics). Additional local individuals in 2009 were Mr.

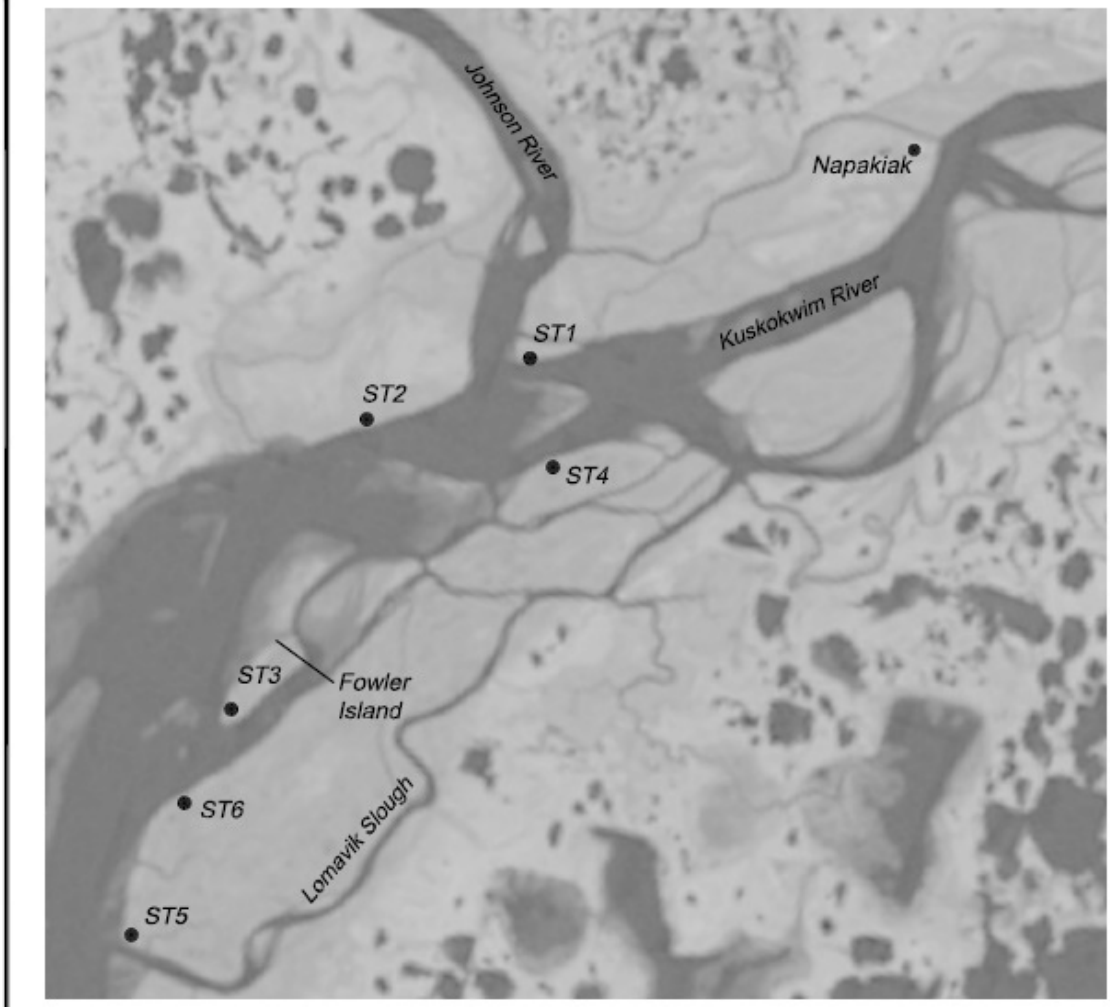
Brent Latham of Bethel (boat operator and logistics) and Mr. Dale Moses of Bethel (boat operator and logistics).

1.5 Field Schedule

The lower Kuskokwim River wildlife observations program began in May 2009 after boat safety checks were completed. Wildlife observations in the Fowler Island area began on May 20, 2009 and continued (weather allowing) through September 30, 2009. The Tuntutuliak area field team began the field program on June 2, 2009 with a weather day; their first day of wildlife observations was on June 3, 2009 and continued through September 30, 2009 (weather allowing). Due to very poor weather at the end of the field season (i.e., several weather days or partial weather days), the last day of wildlife observations completed by the Fowler Island area field team occurred on September 29, whereas the Tuntutuliak area field team's last day of observations occurred on September 24, 2009.

The observations were typically conducted five days per week (Monday through Friday). Observations were not made when weather and/or river conditions prevented safe travel by boat to the two viewing stations, ST1 and ST6, in the Fowler Island area (see Figure 4) and the three viewing stations in the Tuntutuliak area (ST7, ST8, and ST9; see Figure 5). If bad weather occurred during the week, attempts were made to conduct observations on the weekend to help achieve a 5-day per week schedule. However, later in the season, multiple extended periods of bad weather prevented this schedule from occurring.

Fishing activity surveys were also conducted intermittently during the 2009 field season (using some of the same field personnel) to obtain "snapshots" in time of fishing activity on the Kuskokwim River from Georgetown to Eek Island. A one-time aerial survey was also conducted in June 2009 to document fishing activity in two major tributaries of the Kuskokwim River (i.e., Johnson River and Kwethluk River) with aerial photos. The results of those 2009 surveys are reported separately in Jewett et al. (2010).



North

0 5 Miles

0 5 Kilometers

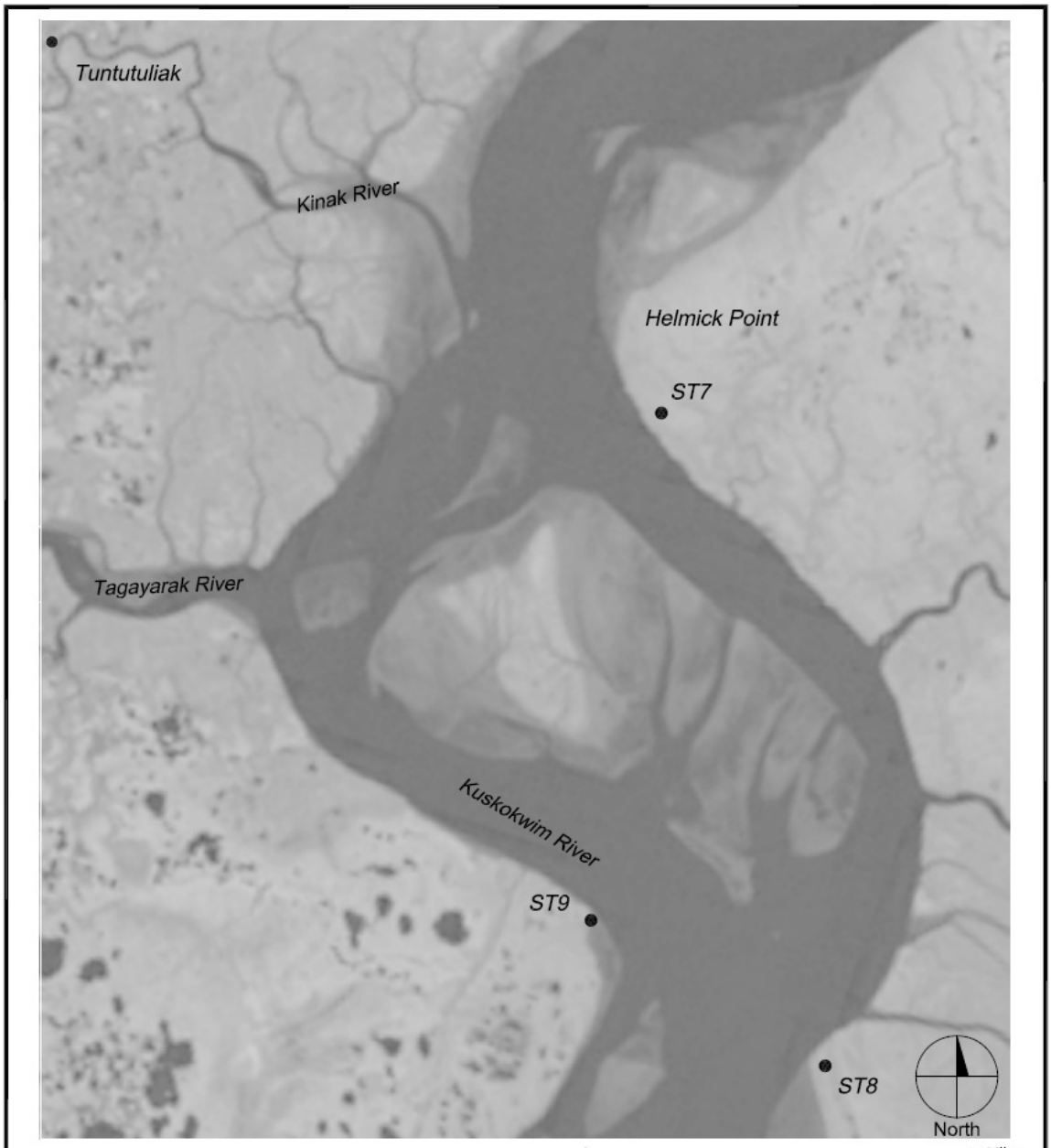
Graphic Scales

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Figure 4
Fowler Island Area
Viewing Station Location Map

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Flgure 5
Tuntutuliak Area
Viewing Station Location Map

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2.0 Methods

2.1 General

This section describes the general field methods and procedures used during the 2009 wildlife observations. Detailed write-ups of checklists and field procedures were included in a project-specific Field Plan (RWJ Consulting 2009a) and a project-specific Health and Safety Plan (RWJ Consulting 2009b).

2.2 Field Quality Assurance (QA)

2.2.1 Wildlife Observations

Throughout the field program, a number of Quality Assurance (QA) procedures were built into the field collection and data entry procedures.

All completed wildlife observation sheets were reviewed by the Bethel-based Field Coordinator for completeness and accuracy to ensure that forms were being filled out properly and in a manner that facilitated data entry and analysis. Data entry was then completed by the Field Coordinator. The updated database and copies of data sheets were then sent to the Project Manager with questions flagged and for a second data review; any changes were relayed to the Field Coordinator for incorporation into the database. These reviews continued until the end of the 2009 field program. This process provided ongoing data checks so that omissions/errors could be corrected before much time had elapsed.

In addition, the Project Manager, the Project Advisor, and/or the Field Coordinator made field visits with the Fowler Island and Tuntutuliak area field team and Field Team Leaders as part of QA, to verify the procedures used in the field, to convey information to the Field Team Leaders, and to be present during the cross-training/handoff to replacement observer(s). Any replacement observers always overlapped with regular field personnel prior to their departure and upon their return. Each wildlife observation sheet had that day's observers identified so that, should questions arise regarding any database entries, the observers involved could be contacted.

2.2.2 Navigation and Positioning

A Garmin Global Positioning System (GPS) Map 76 CSx was used to locate the two Fowler Island viewing stations used in 2006 through 2008 and the three Tuntutuliak viewing stations used in 2007 and 2008. The portable, hand-held unit was used, along with U.S. Geological Survey (USGS) topographic quad maps, National Oceanic and Atmospheric Administration (NOAA) nautical charts, and aerial photos to locate where animals/habitats were observed. Due to the considerable erosion at multiple fixed viewing stations during the 2009 field season, a second set of GPS coordinates was recorded for selected stations on September 23, 2009.

In order to plot the GPS data, the latitude and longitudes were first converted to Northings and Eastings Coordinates (Universal Transverse Mercator [UTM] Zone 3) using "The Geographic Calculator" software (Blue Marble Geographics Inc., Gardiner, Maine 04345). AERO-METRIC of Anchorage (formerly known as Aeromap U.S.) performed the data transformations for the project. The UTM Coordinates were then brought into AutoCAD Version 2008 for subsequent plotting.

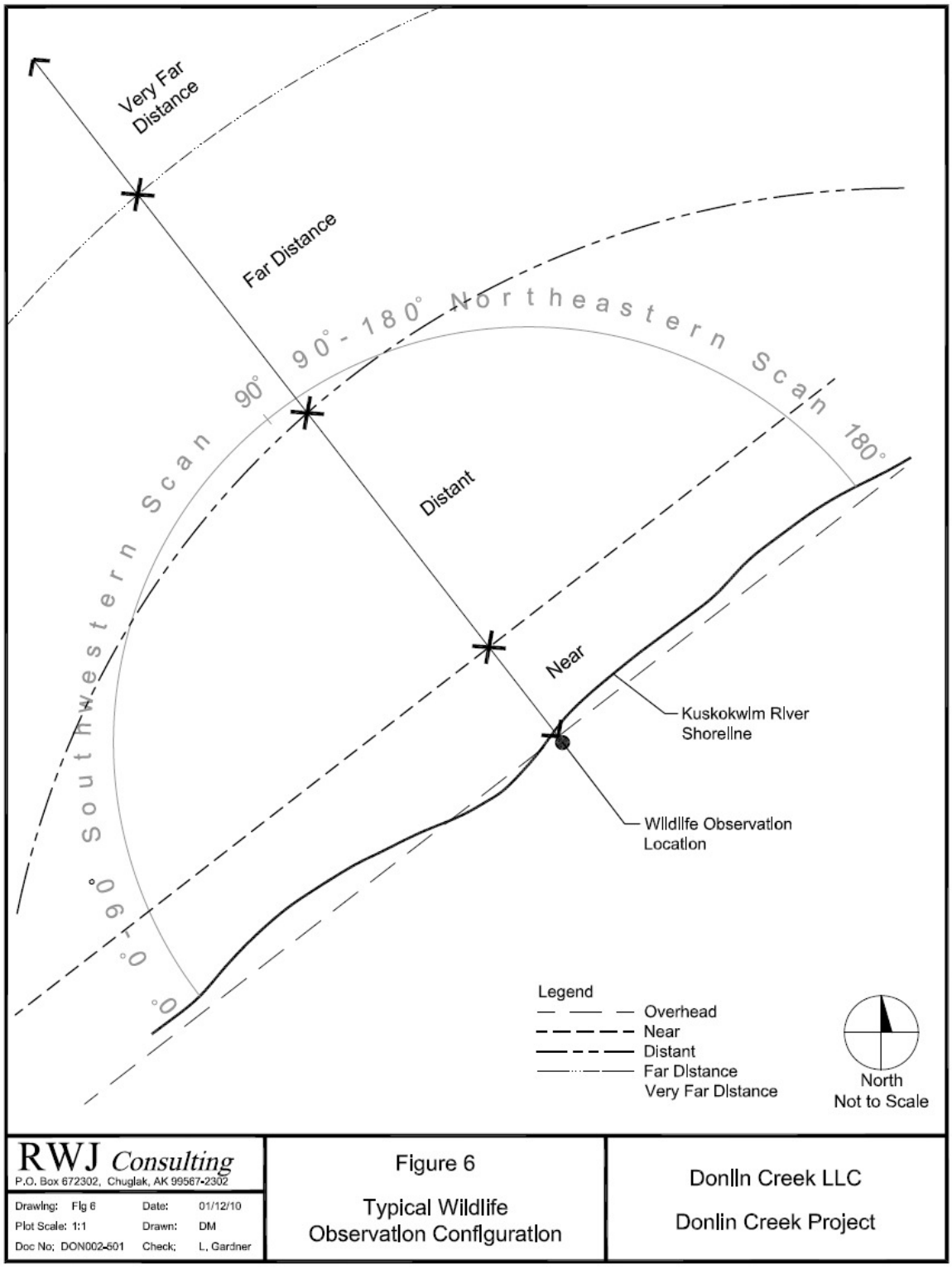
Field notations on aerial photos, USGS topographic quad maps, and NOAA nautical charts of the project area were also used to assist in documenting the viewing stations and locations of interest. Recall that in 2006, six viewing stations were located in the Fowler Island area (see Figure 4). Of those six Fowler Island area sites, ST1 and ST6 were ultimately selected as the fixed viewing stations in 2006, and again in 2007, because they occurred immediately north and south of one proposed floating dock area and they occurred on the east and west banks of the river. Furthermore, the two Fowler Island area stations were accessible during various tidal stages, i.e., not too much water at high tide or too little water at low tide. The ST1 and ST6 stations were reused in 2008 and 2009 for conducting the wildlife point counts. The distance between ST1 and ST6 was 5.5 nautical miles (10.2 km).

For the Tuntutuliak area field team, a similar station selection methodology and rationale for selecting viewing stations was used to establish three viewing stations in 2007 (i.e., ST7, ST8, and ST9, see Figure 5). As in 2007 and 2008, the landowners of record (the USFWS for Tuntutuliak stations and the Napakiak Corporation for Fowler Island area stations) were contacted to secure permission for the 2009 viewing activities. Due to the width of the Kuskokwim River in the Tuntutuliak and Helmick Point area, three viewing stations were used to adequately cover the area. As with the Fowler Island area field team, and with weather allowing, the Tuntutuliak area field team used the GPS positions to locate and subsequently complete daily point counts at each of the three Helmick Point/Tuntutuliak area stations five days per week (also typically Monday through Friday).

In 2007 through 2009, the distance between the animal(s) and the observer (a qualitative indicator of the quality of the species identification) was estimated and recorded by the observer to help in later evaluation of the quality of the identification. See Figure 6 for the viewing configuration established at each station.

2.3 Field Equipment, Daily Procedures, and Logistics

Logistical support was provided in Bethel for the Fowler Island and Tuntutuliak area field teams and maintenance of the field program. This support included room and board for personnel in Bethel and Tuntutuliak, roundtrip air transportation from Anchorage/Fairbanks to Bethel for non-resident observers, local ground transportation, and boats with boat operators to also serve as bear watch.


Very Far Distance
Far Distance
90° - 180° Northeastern Scan
90° Southwestern Scan 0°
Distant
Near
Kuskokwim River Shoreline
Wildlife Observation Location
Legend
Overhead
Near
Distant
Far Distance
Very Far Distance
North
Not to Scale
RWJ Consulting
P.O. Box 672302, Chuglak, AK 99567-2302
Drawing: Fig 6
Date: 01/12/10
Plot Scale: 1:1
Drawn: DM
Doc No: DON002-501
Check: L. Gardner
Figure 6
Typical Wildlife Observation Configuration
Donlin Creek LLC
Donlin Creek Project

During each observation period at the fixed onshore viewing stations, binoculars and/or spotting scopes were used to make observations. Gear specifics and related procedures for each field team were:

- Leica scope APO-Televid 77 with 20-60X objective or an equivalent; Manfrotto tripod and head (see Photo 5); Pentax 8x42 DCF WP binoculars for observations; and a Bushnell Laser Rangefinder Sport 450 for determining distances between locations (note that the project GPS unit was also used for distance determinations).

- Daily observations by observer from the five fixed viewing locations on land (see Appendix Table A-1 for details on daily viewing conditions), using prescribed documentation and viewing procedures. Priority was to document animal usage including sightings, species identification, and behaviors observed from the fixed observation point(s). Humans in skiffs were also noted, along with any fishing/hunting activities observed.

- The primary wildlife observer ensured observation methods and procedures were consistent from day to day. Additional backup observers were trained by the Field Team Leader with sufficient cross-training to ensure that field and data entry procedures were consistent between the Fowler Island and Tuntutuliak area field team and for the various observers within each team (see Photos 5 through 8 for pictures of some of the 2009 field team personnel with equipment/boats). Each team typically consisted of two or three persons. The physical data for all observations are listed in Appendix Table A-1 and the wildlife observations are listed in Appendix Table B-1. A list of common and scientific names of animals sighted is contained in Appendix Table C-1. Viewing station GPS coordinate information is contained in Appendix Table D-1.

- While traveling to and from the observation stations, a daily reconnaissance was done of the river noting fishing activity that occurred between the viewing stations and Bethel or Tuntutuliak. The results of these daily fishing activity counts (e.g., boats fishing, boats not fishing, and set nets) are presented in Jewett et al. (2010), along with the more rigorous fishing activity survey results of the 2009 field season. The latter surveys were conducted by boat from Georgetown to Eek Island during the 2009 field season (Jewett et al. 2010).

- Initial training and follow-up visits by the Project Manager, the Project Advisor, and/or the Bethel Field Coordinator occurred for quality checks of observations made during the observation program. The initial visit also involved a reconnaissance of the lower Kuskokwim River to locate the five fixed observation locations (i.e., ST1, ST6, ST7, ST8, and ST9; Figures 4 and 5). Personnel training included use of specific field procedures and wildlife observation forms (described in detail in RWJ Consulting 2009a, 2009b), and the use of various standard wildlife field identification guidebooks (see Section 5.0, References, of this report).



Photo 5. Tuntutuliak area field team wildlife observers Shawn Harper (far left) and LeRoy Friendly (far right) with fishing activity survey boat operator Daniel Nelson of Napakiak at viewing station ST7 on June 11, 2009. Photo by Lee Ann Gardner.



Photo 6. Tuntutuliak area field team boat operator Matthew Frank with boat used to transport field team to Tuntutuliak area viewing stations on June 11, 2009. Photo by Lee Ann Gardner.



Photo 7. Fowler Island area field team wildlife observer Roger Rothschild at viewing station ST1 with field equipment and boat used for transport on May 20, 2009 (Johnson River is in right background). Photo by Brian M. Henry.



Photo 8. Fowler Island area field team wildlife observer Roger Rothschild recording wind speed with hand-held anemometer at viewing station ST6 on June 26, 2009. Photo by Brian M. Henry.

- Scans were made during each timed observation period at each fixed viewing station using a spotting scope and binoculars. Conditions of visibility (weather) were noted during each observation period to assist in later evaluation of the quality of the observation data.

In addition to animal sightings and species identifications, documentation included descriptions of any subsistence activities observed in the area, observations of wildlife and boat interactions, and changes in riverbanks as a result of erosion. Photographs (Photos 9 and 10) show an example of riverbank erosion that occurred at/near wildlife viewing station ST6 as a result of storms in July 2009. Such erosion is typical of many areas on the lower Kuskokwim River where erosion occurs during storms and/or high tide events during open water conditions. Photo 10 shows an example of the tree/branch debris that washed down from upriver as a result of previous flooding events. The most major spring flooding event that occurred during the four years of the wildlife program occurred in 2009 when many villages located upriver were impacted by severe flooding caused by ice jams on the main channel of the Kuskokwim River.

An equipment tote was established for this program that contained clipboards, blank wildlife observation forms, camera, film, Field and Health and Safety Plans, wildlife identification guides, writing implements, etc. This container accompanied each field team each day along with a satellite phone for emergency use. Binoculars, a tripod, and spotting scope were stored in the tote and brought back to a secure location each night and stored in a locked area. Under no circumstances was equipment, supplies, or other materials left unattended at a viewing station overnight or in the workboat. The boat used by the Tuntutuliak area field team was a 28-foot K-Bay (see Photo 6); an 18-foot Aluma-weld skiff (see Photo 7) was typically used by the Fowler Island Area Team.

2.4 Observation Methods

The observation periods at the selected viewing stations were conducted each day unless weather conditions prevented it. For each field team, the Field Team Leader was responsible for developing a daily observation program that fit into a 6- to 8-hour workday (including transit times to and from the viewing stations) so that all fieldwork was conducted during daylight hours. A typical scan from shore is depicted in Figure 6. As mentioned previously, landownership of the five viewing stations was verified against land ownership maps and known Native Allotments to ensure that the landowners (Napakiak Corporation for Fowler Team stations and the USFWS for Tuntutuliak Team stations) were in agreement with the use of the stations and that there was no trespassing issues.

Each station's daily observation period consisted of 60 minutes if weather conditions allowed. All fixed viewing station observations were made from shore, except on a few occasions when due to high wind and tide conditions the viewing stations became



Photo 9. View of sloughing and eroding riverbank during low tide event at Fowler Island area viewing station ST6 on July 9, 2009. Wildlife observer Roger Rothschild is at viewing site with field equipment and one of the project boats used for transport. Photo by Brian M. Henry.



Photo 10. View of eroding riverbank and trees/branches washed downriver near Fowler Island area viewing station ST6 on July 9, 2009. Photo by Brian M. Henry.

flooded. In those instances, if it was determined that it was safe to remain on site, the observations were made from the workboat.

During the initial stages of the observer program, varying viewing methods were compared so as to select the best method and then achieve a consistent method of observing, e.g., near-field scans along with far-field scans. Based on the number of animals encountered, sometimes observation periods resulted in multiple wildlife observation forms being used.

During the observation period, the observers focused on animal sightings being the top priority and species identifications the second priority. The accompanying boat operator's primary duty was to do bear watch when needed but were also delegated duties such as using the extra set of binoculars to look for animal characteristics to make positive species identifications. During each 60-minute observation period, each animal sighted was recorded on the observation form(s). Animals disappearing from the observer's field of view, then later re-appearing (e.g., as in the case of a bird), were considered a new sighting unless the observer was fairly confident it was the same animal (e.g., as in the case of a seal submerging and re-emerging in the water). As a result, it was conceivable that animals remaining in the observation area for extended periods of time were included in the observation data for more than one day.

If a marine mammal was sighted during an observation period (alive or dead), the observer also completed a Marine Mammal Sighting Information (MMSI) form that included more detailed information on the animal and its behavior during the sighting (if alive), and information on the body (if dead).

At the end of each day, and after returning to the Field Offices in Bethel and Tuntutuliak, the completed wildlife observation forms were removed from the clipboard(s) and stored in a loose-leaf three-ring binder. Data forms were not removed from the clipboards while in the field to avoid any chance of them being blown away by wind. All forms were reviewed by the Bethel Field Coordinator prior to data entry.

Observers also recorded changing site conditions through photo documentation (e.g., Photo 9). Where possible, photos were also used to assist in species identifications (e.g., Photo 3).

To document the relative ability of the observer to make observations, a daily weather log was kept, as well as temperature, wind speed, and wind direction recorded with hand-held instruments while on-site at the five viewing stations. To note weather conditions at the time of the wildlife observations, flagging tape tied to the tripod was used with a compass for assessing wind direction. The magnetic compass "direction of travel-arrow" was then pointed directly into the oncoming wind. The compass housing (turnable) was subsequently adjusted in order to line up the "orienting arrow" with the "magnetic compass needle." The compass "magnetic declination" was pre-set with a 16 degrees East declination so that geographic north could be determined. When the orienting arrow was in-line with the compass needle, the direction of travel bearing was then recorded as the

wind direction. The wind direction was determined before the start of each observation period. If there was no wind or a very calm breeze (not strong enough to blow the flagging tape), a "zero" value was entered for the wind direction.
A hand-held Brunton Atmospheric Data Center (ADC) was used for wind speed (in knots) and temperature readings (in degrees Fahrenheit, °F) at each viewing station.
The instrument was held overhead by the observer for approximately one minute (see Photo 8). During that time, the liquid crystal display (LCD) screen was monitored to note the highest wind speed (i.e., gust) and the temperature; both readings were entered on the field data sheet and then the instrument was stored in the equipment tote. General visibility was also estimated by the observer.

When time allowed, the observer recorded when animals were seen while in transit to or from the viewing stations. These observations were recorded in the observation record under "Comments" as Non-Survey Observations (NSO) since they did not occur within the 60-minute observation periods at each viewing station. Animals observed when arriving at the viewing station or when packing up equipment, were identified as NSO observations, and were treated in the same manner.

Details of the actual field procedures used are documented in the Field Plan prepared for this program (RWJ Consulting 2009a). The Health and Safety Plan (RWJ Consulting 2009b) included implementation of recommended safe field practices (e.g., communication procedures for the satellite phone that accompanied each field team each day). Both plans emphasized safety, identified potential hazards to be expected during field work, and established procedures to minimize risk. All personnel agreed to abide by the plan requirements in writing. As such, there were no reportable accidents or personnel injuries while field work was conducted on the river during the 5-month field season in 2009 (as in 2006 through 2008).

2.5 Data Methods

The data analysis methods employed for the wildlife observation data were descriptive in nature. The focus of the data treatments in 2009 (as well as 2006 through 2008), was to provide a description of the animals present. The data were prepared for analyses using an Access 2007 database (Microsoft, Inc.) and all analyses were performed using the query mode of Access 2007 and/or Excel 2007 (Microsoft, Inc.) spreadsheets.

3.0 Results and Discussion

3.1 General

In 2009 (as in 2007 and 2008), all five fixed viewing stations on the Kuskokwim River were visited daily by their respective field teams if weather conditions allowed. As noted in Jewett et al. (2007a), Fowler Island area observations were initially conducted in 2006 at ST3, on the southern tip of Fowler Island, and ST1, at the mouth of the Johnson River (Figure 4). However, ST3 was abandoned due to access difficulty during low tide and ST6 was designated the replacement site.

In 2009, wildlife observations at ST1 and ST6 began on May 20, 2009 and continued with the observation program (weather allowing) through September 30, 2009. The distance between ST1 and ST6 was 5.5 nautical miles (10.2 km) and the transit time between these stations via skiff was approximately 30 minutes. Typically, ST6 was the first station to be surveyed each day because it was the farthest from Bethel; ST1 was usually surveyed on the return trip back to Bethel.

For the Tuntutuliak area field team, three viewing stations (ST7, ST8, and ST9) were visited daily beginning on June 3, 2009 and continuing through September 30, 2009 (weather allowing). The distance between ST7 and ST9 was 7.8 nautical miles (14.5 km) and the distance between ST8 and ST9 was 2.8 nautical miles (5.2 km). Because of the proximity of these stations to the open ocean, the order in which the stations were done was dictated by that day's wind direction, wave heights, and visibility conditions. If fog was present in one viewing area, the Tuntutuliak area field team would begin observations at another station until conditions improved. Total transit time between the three viewing stations in the 28-foot project boat was approximately 35 minutes.

3.2 Observation Conditions

For the 2009 field program, Table 1 shows the number of observation days done by the Fowler Island area and Tuntutuliak area field teams by viewing station. Observations were not typically done on Saturday or Sunday (see Appendix Table A-1). In all cases, if observations were not done on a weekday this was due to poor weather conditions making it unsafe to travel to and/or remain at the viewing station(s). Typically, each day consisted of a 60-minute scan at each viewing station and was only shortened due to poor weather conditions. The total number of observation periods in 2009 was 130 at Fowler Island area viewing stations and 178 at Tuntutuliak area viewing stations.

Weather days typically consisted of wind speeds or gusts that exceeded 20 mph and/or when overcast/foggy/rainy conditions impacted visibility. Daily tidal changes in the lower Kuskokwim River were also considered in combination with the weather conditions for whether to call a weather day since a combination of factors could result in increased wave heights on the river (see Appendix Table A-1).

Table 1. Number of observation periods by viewing stations on the lower Kuskokwim River from May to September 2009.

Viewing Stations	Number of Periods Observed					
	May	**June**	**July**	**Aug.**	**Sept.**	**Total**
Fowler Island Field Team						
ST1 and ST6*	7	14	12	10	12	**55**
ST1	7	14	12	12	14	**59**
ST6	7	19	20	11	14	**71**
Total Periods**	**14**	**33**	**32**	**23**	**28**	**130**
Tuntutuliak Field Team						
ST7, ST8, ST9*	0	16	15	15	9	**55**
ST7	0	16	17	17	12	**62**
ST8	0	16	16	16	9	**57**
ST9	0	17	16	16	10	**59**
Total Periods**	**0**	**49**	**49**	**49**	**31**	**178**

* Number of days that observations were completed at all of the field teams' viewing stations on a given day. Refer to Figures 4 and 5 for viewing station locations.

**An observation period typically consisted of one hour of observations on a given day; however, some days the 60-minute period was shortened due to deteriorating weather conditions.

Table 2 summarizes conditions noted at the fixed viewing stations on the Kuskokwim River during the 2009 field season. As shown in Table 2, 43% of the 2009 observation periods were done during overcast days; however, visibility was typically estimated at 100% eight times out of 10 (82% of the time; e.g., the observer could see to the other side of the Kuskokwim River from their observation station). In mid-June 2009, multiple days were impacted by haze resulting from forest fires located upwind of the study area. For safety reasons, field teams did not go on the river during stormy or low visibility conditions (note that conditions for weather days are not included in Table 2).

In 2009, several of the fixed viewing stations had their riverbanks erode on multiple occasions following high winds/waves during storms and/or in combination with high tide conditions (see Photos 9 and 10). In 2008, Jewett et al. (2009a) noted that more than 15 ft of shoreline eroded at fixed viewing station ST6. In 2009, during spring flooding, storms, and/or high tides combined with winds, more than 14 ft of riverbank eroded at the same ST6 location. In addition, fixed viewing sites on the Lower Kuskokwim River also had riverbank losses in 2009. This included a loss of more than 21 ft of riverbank at viewing station ST8 in at least 6 separate erosion events during the 5-month field season; and a loss of more than 6 ft of riverbank at viewing station ST9 in at least two separate erosion events. The 2009 field season was a particularly stormy one with almost twice as many full and/or partial weather days as in 2008. Because of so much shoreline erosion during the 2009 field season, new revised GPS coordinates were recorded for selected viewing stations in September 2009 (see Appendix Table D-1 for GPS coordinate information for the five viewing stations).

Jewett et al. (2007a) noted that increased bank erosion was the major concern voiced by locals in the village of Napakiak (see Figures 1, 2, and 4) during a project team meeting with individuals there on June 2, 2006. Riverbank erosion had been occurring for several years at the village since buildings had to be moved back away from the encroaching river. Each year that village loses several meters of shoreline due to erosion.

Bank erosion, from potential increased barge traffic, was also a major concern voiced by the Orutsararmuit Native Council (Pers. Commun., Greg Roczicka, 2006, as reported in Jewett et al. 2007a). In the study areas of interest, some bank erosion occurs from river traffic of barges and skiffs, but it is expected that most bank erosion is probably due to storms, particularly those in which the wind direction is parallel to the river channel (Jewett et al. 2007a) and especially when those conditions coincide with high tides. See further related discussion on erosion in Jewett et al. (2008a, 2009a).

3.3 Wildlife Observations

In 2009, a total of 73,473 birds and mammals were observed at the five viewing stations between May 20, 2009 and September 29, 2009 (Table 3; Figure 7). Averaged over the 86 days that field observations occurred at one or more viewing stations of the field

Table 2. Cloud cover and visibility conditions noted at the time wildlife observations were conducted on the Kuskokwim River in 2009 (all viewing stations combined).

Condition	Number of Periods					
	May	**June**	**July**	**August**	**Sept.**	**Total (%)**
Cloud Cover:						
Clear	5	14	7	10	9	**45 (15)**
Mostly Clouds	2	17	17	11	15	**62 (20)**
Partial Clouds	1	11	16	20	16	**64 (21)**
Overcast	6	40	40	29	17	**132 (43)**
Foggy	--	--	1	2	2	**5 (2)**
Total	**10***	**91**	**87**	**88**	**92**	**308 (101)****
Visibility:						
100%	12	75	60	59	46	**252 (82)**
75%	2	2	18	9	10	**41 (13)**
50%	--	5	3	4	3	**15 (5)**
25%	--	--	--	--	--	**-- (0)**
Total	**14***	**82**	**81**	**72**	**59**	**308 (100)**

* Observations were only conducted at two of the five viewing stations (i.e., the Fowler Island area stations) during the month of May 2009 beginning on May 20 since the Tuntutuliak area field team had to wait for ice floes to clear downstream on the Kuskokwim River before they could access their three observation sites.

** Total % is more than 100% due to rounding.

Table 3. Counts of wildlife observed at all Kuskokwim River viewing stations (combined) during 2009* summarized by month.

	Animal	May	June	July	August	Sept.	Total
Birds	Auklet	0	0	0	0	3	3
	Blackbird	0	25	27	20	2	74
	Chickadee	0	0	3	0	23	26
	Cormorant	0	11	2	0	2	15
	Crane	20	44	28	133	1,640	1,865
	Curlew	2	4	1	12	0	19
	Dabbling Duck	100	364	151	324	88	1,027
	Dowitcher	2	8	9	122	102	243
	Dunlin	0	52	15	112	45	224
	Eagle	6	16	6	5	2	35
	Eider	0	7	0	12	0	19
	Falcon	1	0	1	5	5	12
	Finch	59	177	316	442	337	1,331
	Flicker	0	0	0	0	1	1
	Godwit	9	1	2	36	7	55
	Goose	497	702	271	6,680	5,629	13,779
	Grebe	0	1	1	2	7	11
	Gull	913	3,470	4,042	1,965	2,299	12,689
	Harlequin Duck	14	0	0	0	2	16
	Harrier	7	17	7	44	62	137
	Hawk	0	2	0	0	13	15
	Jaeger	92	367	224	113	3	799
	Junco	0	0	1	0	0	1
	Longspur	0	21	2	2	5	30
	Long-tailed Duck	75	4	1	0	1	81
	Loon	29	284	263	226	70	872
	Magpie	0	0	0	0	6	6
	Merganser	31	21	4	1	5	62
	Owl	3	4	4	10	1	22
	Phalarope	5	187	207	719	16	1,134
	Plover	24	63	278	174	132	671
	Pochard	0	4	0	0	0	4
	Ptarmigan	0	0	0	317	14,465	14,782
	Raptor	0	0	0	4	0	4
	Raven	7	79	70	100	184	440
	Sanderling	0	0	0	0	6	6
	Sandpiper	17	214	977	971	491	2,670
	Scaup	80	73	42	0	28	223
	Scoter	661	717	589	14	42	2,023
	Shrike	0	0	1	15	4	20
	Snipe	4	12	13	20	37	86
	Sparrow	15	104	213	1,917	259	2,508
	Swallow	2	13	59	6	0	80

	Animal	May	June	July	August	Sept.	Total
	Swan	32	87	33	21	450	623

Table 3. Counts of wildlife observed at all Kuskokwim River viewing stations (combined) during 2009* summarized by month (Cont'd).

	Animal	May	June	July	August	Sept.	Total
Bird	Teal	6	27	21	113	159	326
	Tern	457	1,744	1,078	381	0	3,660
	Thrush	2	7	9	1	0	19
	Turnstone	0	0	2	60	0	62
	Unidentified Bird	6	524	126	311	150	1,117
	Unidentified Shorebird	151	196	811	2,214	1,070	4,442
	Unidentified Songbird	11	130	216	515	42	914
	Unidentified Waterfowl	774	457	395	803	862	3,291
	Warbler	0	26	44	58	15	143
	Wheatear	0	0	0	0	1	1
	Whimbrel	2	5	77	500	0	584
	Wigeon	2	14	17	53	27	113
	Yellowlegs	0	0	2	10	20	32
	Total Birds	**4,118**	**10,285**	**10,661**	**19,563**	**28,820**	**73,447**
Mammal	Beaver	1	0	1	1	0	3
	Fox	0	0	0	0	1	1
	Seal	0	5	4	7	4	20
	Unidentified Mammal	0	0	0	0	1	1
	Weasel	0	1	0	0	0	1
	Total Mammals	**1**	**6**	**5**	**8**	**6**	**26**
	Total Animals Observed	**4,119**	**10,291**	**10,666**	**19,571**	**28,826**	**73,473**

* Wildlife observations began on May 20, 2009 at Fowler Island area viewing stations and on June 3, 2009 at Tuntutuliak area viewing stations; wildlife observations were attempted (weather allowing) until September 30, 2009. As a result of multiple weather days during the last week of the field season, the final day of observations was September 29, 2009 at Fowler Island area stations and September 24, 2009 at Tuntutuliak area stations.

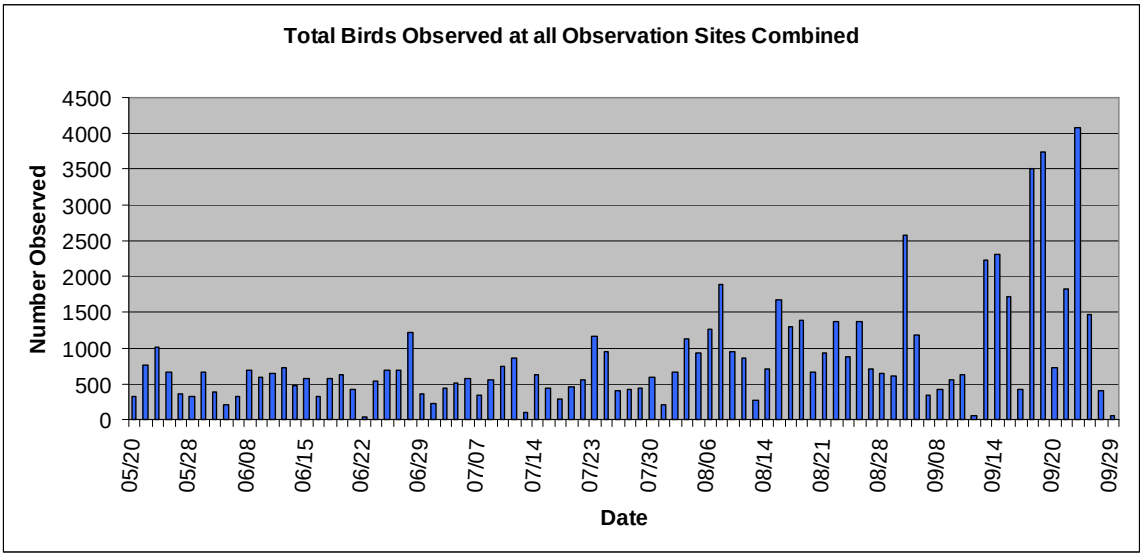


Figure 7. Histogram of bird counts from May 20, 2009 through September 29, 2009 at five fixed viewing stations on the lower Kuskokwim River. The peak single day count for all viewing stations combined was on September 23, 2009 (4,077 birds).

program, there were 854 animals observed per day (or approximately 171 animals per station). This compared to 140 animals observed per day per viewing station in 2006 (Jewett et al. 2007a); 155 animals per station per day per viewing station in 2007 (Jewett et al. 2008a); and 243 animals per day per viewing station in 2008. In 2006, the observations involved only two Fowler Island area stations.

The overwhelming majority of the animals observed in 2009 were birds (73,447); only 26 mammals were seen during the observation periods. Table 3 summarizes the bird counts in 57 bird groupings, however, many more species were recorded. The species listings in Appendix Table C-1 include the common and scientific name for the 126 bird species or species groups identified in 2009; of these, 103 were sighted at Fowler Island area viewing stations and 100 were sighted at Tuntutuliak area viewing stations. Most bird sightings and identifications, or lack thereof, were made while birds were in flight, and with many at a far distance (i.e., across the river; see Appendix Table B-1 for detailed observation listings).

Of the total number of birds observed in 2009 (see Table 3), over 56% were from three groups: ptarmigan (14,782; 20.1%), geese (13,779; 18.8%), and gulls (12,689; 17.3%). Gulls remained high over the five months of observations. Geese sightings increased in August, whereas ptarmigan were not observed until August--both of the latter group sightings remained high through the rest of the field season (i.e., end of September). This was the same trend observed in 2007 and 2008. Other prevalent groups in 2009 were unidentified shorebirds (6.0%), terns, (5.0%), unidentified waterfowl (4.5%), sandpipers (3.6%), and sparrows (3.4%), followed by scoters, cranes, finches, phalaropes, unidentified birds, and dabbling ducks (i.e., *Anas* spp.) that in combination made up another 11.5% of the total birds counted.

Geese and gulls were the most predominant groups in 2006 through 2008. For the Fowler Island area stations (the only area observed in 2006), gulls (40.1%) and geese (18.7%) comprised the main groups of birds identified, along with unidentified waterfowl (17.3%; see Jewett et al. 2007a). In 2007, there were 28% geese and 27.5 % gulls at the five viewing stations (Jewett et al. 2008a); in 2008, there were 33.9% geese and 12.8% gulls (Jewett et al. 2009a).

In 2009, the largest total bird count was made during the month of September, with almost 29,000 birds (Table 3) counted in 59 observations periods at the five Kuskokwim River stations (Table 1). During that peak month, ptarmigan, geese, gulls, cranes, and unidentified shorebirds were generally most numerous. Figure 7 shows that September 23, 2009 had the single highest count of birds for all five viewing stations combined in the 2009 field season (4,077 birds). This compares to a peak single day count of 1,752 birds at two Fowler Island area viewing stations on July 24, 2006 (Jewett et al. 2007a); 2,307 birds at five viewing stations on August 27, 2007 (Jewett et al. 2008a); and 3,287 birds at five viewing stations on August 21, 2008 (Jewett et al. 2009a).

Scoter counts (i.e., black, surf, and white-winged scoter) were highest in May through July of 2009 (Table 3). For black scoters (*Melanitta nigra*), a species popular with

subsistence hunters, a total of 1,024 individuals were observed at the viewing stations from May to September 2009; only 2 and 17 were counted in the months of August and September, respectively (518 was the maximum monthly sighted during June). The highest number of black scoters observed at all viewing stations on a single day was 124 birds on June 26, 2009; in 2008, it was 126 birds on June 3, 2008. In 2006, a total of 137 black scoters were counted at two Fowler Island viewing stations (Jewett et al. 2007a). In 2006, 2007 and 2008, no black scoters were seen at the viewing stations during the month of August.

The black scoter is one of the most prized birds for subsistence (Pers. Commun., Brian Henry in Jewett et al. 2007a). Subsistence users prefer its high meat/fat content and flavor. The USFWS (2005) estimates that approximately 7,000 black scoters are harvested each year in western Alaska. As such, their harvest, as a proportion of the total estimated population size, is higher than for any other duck in the Yukon-Kuskokwim Delta system—including northern pintails (*Anas acuta*) that are the most harvested species. Currently, the USFWS (2005) estimates that there are about 200,000 black scoters (http://seaduckjv.org/meetseaduck/blackscoter_study_outreach_web.pdf; accessed January 15, 2009) in Alaska. However, the population in western Alaska has declined by about 50% since aerial surveys were begun in the 1950's. The reason for the decline is unknown.

The USFWS (2005) noted that subsistence hunters have told biologists that during the 1980's, groups of 100 or more black scoters were seen migrating up the Kuskokwim River in the spring. In recent years, hunters reported that a group of 10 to 20 individuals is more typical. Previously for this study, in 2006, a maximum group size of 22 black scoters was observed on October 5, 2006 (Jewett et al. 2007a) and, in 2008, a maximum group size of 28 was observed on September 12, 2008 (Jewett et al. 2009a). In 2007, a single group of 50 individuals was observed on May 18, 2007 (Jewett et al. 2008a). However, in 2009, a maximum group size of 120 birds was observed on June 26, 2009 at viewing station ST6. For this study, all of the maximum black scoter group sizes were observed at the Fowler Island area stations.

Bird counts varied from May to September due to nesting activity and migration patterns. In 2009, tern, jaeger, dabbling duck, scoter, and loon sightings were highest in the month of June and decreased thereafter. Gull, sandpiper, plover, and swallow sightings were most numerous in July. Geese, unidentified shorebirds, sparrow, phalarope, whimbrel, finch, dowitcher, and dunlin sightings were most numerous in August, as were seals. In September, ptarmigan, crane, unidentified waterfowl, and swan sightings were highest relative to other months of the observation program (see Table 3). As such, September had the highest number of bird sightings of the 5-month observation program (note that only 7 days of observations were made in the month of May at two Fowler Island area sites--ST1 and ST6—since the Tuntutuliak area field team had to wait for ice floes to clear downstream on the Kuskokwim River before they could access their three viewing stations).

Of the 26 mammals observed at the five Lower Kuskokwim River viewing stations in the 2009 field season (Table 3), 20 were seals (77%). These included one bearded seal (*Erignathus barbatus,* at ST7), 11 spotted/harbor seals (*Phoca* spp.), and eight unidentified seals. Some of them were observed to be feeding on fish. August was the peak month for counting seals (7; Table 3). Three beaver, a fox, weasel, and an unidentified mammal were also sighted during the observation periods in 2009 (Table 3).

The 2009 mammal sightings were similarly rare (relative to birds) and comparable to previous years of this monitoring program: i.e., six seals and one fox sighted in 2006 at two Fowler Island area stations (Jewett et al. 2007a); 70 seals and six fox in 2007 at five viewing stations (Jewett et al. 2008a); and 38 seals, five beaver, two fox, and one each of moose, river otter, harbor porpoise, and an unidentified mammal at five viewing stations in 2008 (Jewett et al. 2009a).

A low number of marine mammals were expected for the study areas of interest, based on the survey of the literature that did not indicate much marine mammal usage of the lower Kuskokwim River (Jewett and Gardner 2005). However, locals from villages on the lower river (e.g., Tuntutuliak, Napakiak, and Napaskiak) said they occasionally subsistence hunt for seals in the fall months. They noted they often hunt near station ST5 at the mouth of the Lomavik Slough (see Figure 4; Pers. Commun., Philip Nicholai [Napaskiak] and Brian Henry [Bethel/Akiachak] as reported in Jewett et al. 2007a). Local hunters reported that freshwater fishes from the ponds east of Lomavik Slough come down to the mouth of the Slough where they are fed upon by seals.

During the 2009 field season, the field team observed seal hunting on the Kuskokwim River. In 2007, one dead seal was encountered floating in the Kuskokwim River (June 29, 2007) that showed potential evidence of a gunshot wound. In 2006, the field team did observe the actual harvesting of one seal on the Kuskokwim River near Johnson River and viewing station ST1. In both of these cases, the unidentified seals appeared to be either a harbor sea (*Phoca vitulina*) or a spotted seal (*Phoca largha*).

Seals were the most abundant marine mammal observed on the Kuskokwim River by the field teams, but very occasionally, porpoise or whales do make their way into the river. In 2008, a harbor porpoise (*Phocoena phocoena*) was the first and only live Cetacean (i.e., the mammal group containing whales, dolphins, and porpoises) seen by study field teams during the four years of wildlife observations. It was seen offshore of ST7 by the Tuntutuliak area field team on October 7, 2008. In 2009, an additional dead harbor porpoise (best presumed identification due to the deteriorated condition of the carcass) was observed floating at the river bank upstream of viewing station ST8 on June 18, 2009 (there was no obvious evidence of gunshot wounds). In addition, during August 2008, there were multiple reports in the media of a pair of beluga whales (cow and calf; *Delphinapterus leucas*) as far upriver as Red Devil and Sleetmute. The *Anchorage Daily News* (ADN), August 14, 2008, noted that the pair of beluga whales was initially observed by a helicopter crew about 10 miles below the village of Crooked Creek and was sighted and verified at Red Devil on August 12, 2008. The ADN noted that the last verified sighting of whales so far up the Kuskokwim River was in the late 1980's. These two

particular beluga whales were not seen by either of our field teams before or after the published sightings.

3.4 Comparison of Tuntutuliak and Fowler Island Area Viewing Stations

In 2009, wildlife observations were conducted in two areas of interest: Fowler Island (viewing stations ST1 and S6) and the tidal flats of the Tuntutuliak/Helmick Point area (viewing stations ST7, ST8, and ST9). Thirty-eight percent of the total birds and mammals observed in 2009 were counted at the two Fowler Island area viewing stations (28,308 animals, Table 4). Sixty-two percent (45,139 animals, Table 4) were counted at the three Tuntutuliak area viewing stations. When reviewing the counts in Table 4, some marine coastal animal species such as seals, cormorant, and godwits were sighted more often at Tuntutuliak area stations whereas some bird species such as chickadees, thrushes, warblers, blackbirds, and finches (associated with uplands/forests), appeared to be more readily observed at Fowler Island area stations.

Since the number of observation periods varied between areas (Table 1), to compare the relative number of animals observed at the Fowler Island area and Tuntutuliak area stations, the data were converted to number of animals observed/observation period (Table 5). For 2009, 218 animals/observation period were counted at Fowler Island area stations while 254 animals/observation period were observed at Tuntutuliak area stations (Table 5). With these conversions, the differences between Fowler and Tuntutuliak stations for a given species group were less evident. However, in 2009, there were still some between-area differences (Table 5) in what birds were observed at Tuntutuliak and Fowler Island area viewing stations. At Tuntutuliak area stations, observers typically counted more ptarmigan, shorebirds (including sandpipers), and phalarope than at Fowler Island stations. However, more gulls, terns, scoters, finches and blackbirds were observed at Fowler Island area stations (Table 5). In addition, there was also a large pulse of ptarmigan observed at the Tuntutuliak viewing stations in September 2009; this migratory pulse was less evident at Fowler Island area stations (see Tables 4 and 5).

As shown in Table 6, more sensitive bird species (i.e., as indicated by their inclusion on the Audubon WatchLists) were observed at the Tuntutuliak area stations than at Fowler Island stations (21 species versus 20 species, respectively, from 2006 through 2009). This was especially apparent among shorebirds where 14 sensitive shorebird species were sighted at Tuntutuliak area stations over a 3-year period versus seven sensitive species at Fowler Island area stations for 2006 through 2009 combined. Note that species listed in Table 6 are only those birds that had at least one confirmed sighting at a viewing station during the four years of this study.

Activities conducted by the sensitive bird species sighted at the viewing stations also differed by area with respect to breeding (Table 6). Whereas multiple species were observed exhibiting breeding behaviors at Tuntutuliak viewing stations that included sensitive bird species (i.e., semipalmated sandpipers, western sandpipers, dunlin,

Table 4. Counts of wildlife observed at Fowler Island area (ST1 and ST6) and Tuntutuliak area (ST7, ST8, and ST9) viewing stations during 2009.*

	Animal	Fowler Island Area	Tuntutuliak Area	Total
Birds	Auklet	3	0	**3**
	Blackbird	74	0	**74**
	Chickadee	24	2	**26**
	Cormorant	1	14	**15**
	Crane	883	982	**1,865**
	Curlew	7	12	**19**
	Dabbling Duck	291	736	**1,027**
	Dowitcher	8	235	**243**
	Dunlin	0	224	**224**
	Eagle	31	4	**35**
	Eider	18	1	**19**
	Falcon	7	5	**12**
	Finch	1,131	200	**1,331**
	Flicker	0	1	**1**
	Godwit	19	36	**55**
	Goose	6,866	6,913	**13,779**
	Grebe	1	10	**11**
	Gull	8,255	4,434	**12,689**
	Harlequin Duck	16	0	**16**
	Harrier	67	70	**137**
	Hawk	4	11	**15**
	Jaeger	358	441	**799**
	Junco	1	0	**1**
	Longspur	2	28	**30**
	Long-tailed Duck	80	1	**81**
	Loon	236	636	**872**
	Magpie	1	5	**6**
	Merganser	46	16	**62**
	Owl	14	8	**22**
	Phalarope	138	996	**1,134**
	Plover	468	203	**671**
	Pochard	0	4	**4**
	Ptarmigan	1,662	13,120	**14,782**
	Raptor	4	0	**4**
	Raven	269	171	**440**
	Sanderling	0	6	**6**
	Sandpiper	82	2,588	**2,670**
	Scaup	118	105	**223**
	Scoter	1,290	733	**2,023**
	Shrike	2	18	**20**
	Snipe	18	68	**86**

	Animal	Fowler Island Area	Tuntutuliak Area	Total
	Sparrow	239	2,269	**2,508**

Table 4. Counts of wildlife observed at Fowler Island area (ST1 and ST6) and Tuntutuliak area (ST7, ST8, and ST9) viewing stations during 2009* (Cont'd).

	Animal	Fowler Island Area	Tuntutuliak Area	Total
Birds	Swallow	58	22	**80**
	Swan	266	357	**623**
	Teal	16	310	**326**
	Tern	2,203	1,457	**3,660**
	Thrush	19	0	**19**
	Turnstone	1	61	**62**
	Unidentified Bird	62	1,055	**1,117**
	Unidentified Shorebird	769	3,673	**4,442**
	Unidentified Songbird	269	645	**914**
	Unidentified Waterfowl	1,729	1,562	**3,291**
	Warbler	138	5	**143**
	Wheatear	1	0	**1**
	Whimbrel	11	573	**584**
	Wigeon	29	84	**113**
	Yellowlegs	3	29	**32**
	Total Birds	**28,308**	**45,139**	**73,447**
Mammals	Beaver	1	2	**3**
	Fox	0	1	**1**
	Seal	3	17	**20**
	Unidentified Mammal	1	0	**1**
	Weasel	0	1	**1**
	Total Mammals	**5**	**21**	**26**
	Total Animals Observed	**28,313**	**45,160**	**73,473**

* Wildlife observations began on May 27, 2008 at Fowler Island area viewing stations and on June 3, 2008 at Tuntutuliak area viewing stations. The final day of observations at viewing stations was October 7, 2008 for Fowler Island area stations and October 8, 2008 for Tuntutuliak area stations..

Table 5. Number of animals observed/observation period at Fowler Island area and Tuntutuliak area viewing stations during 2007, 2008, and 2009.* All values are rounded to the nearest whole number.

		Fowler			Tuntutuliak			Mean Total		
	Animal	**2007**	**2008**	**2009**	**2007**	**2008**	**2009**	**2007**	**2008**	**2009**
Birds	Auklet	--	--	<1	--	--	--	--	--	<1
	Blackbird	<1	<1	<1	--	--	--	<1	<1	<1
	Bufflehead	<1	--	--	--	--	--	<1	--	--
	Bunting	--	--	--	<1	--	--	<1	--	--
	Canvasback	--	<1	--	<1	<1	--	<1	<1	--
	Chickadee	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Cormorant	<1	--	<1	<1	<1	<1	<1	<1	<1
	Crane	<1	2	7	<1	2	6	<1	2	6
	Curlew	--	--	<1	--	--	<1	--	--	<1
	Dabbling Duck	2	3	2	6	6	4	4	4	3
	Dowitcher	<1	<1	<1	1	1	1	<1	<1	<1
	Dunlin	<1	<1	--	5	<1	1	2	<1	<1
	Eagle	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Eider	--	--	<1	--	--	<1	--	--	<1
	Falcon	<1	--	<1	<1	<1	<1	<1	<1	<1
	Finch	3	10	9	2	2	1	2	6	5
	Flicker	--	--	--	--	--	<1	--	--	<1
	Fulmar	--	--	--	<1	--	--	<1	--	--
	Godwit	--	<1	<1	<1	<1	<1	<1	<1	<1
	Goldeneye	<1	<1	--	<1	<1	--	<1	<1	--
	Goose	19	79	53	71	118	39	45	99	46
	Grebe	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Gull	79	51	64	22	29	25	50	40	44
	Harlequin Duck	<1	<1	<1	<1	<1	--	<1	<1	<1
	Harrier	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Hawk	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Jaeger	2	2	3	2	3	2	2	3	3
	Junco	--	--	<1	--	--	--	--	--	<1
	Longspur	<1	<1	<1	3	2	<1	1	1	<1
	Long-tailed Duck	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Loon	1	2	2	3	3	4	2	3	3
	Magpie	--	--	<1	--	--	<1	--	--	<1
	Merganser	<1	<1	<1	<1	1	<1	<1	<1	<1
	Murrelet	--	--	--	<1	--	--	<1	--	--
	Osprey	<1	<1	--	--	--	--	<1	<1	--
	Owl	--	<1	<1	<1	<1	<1	<1	<1	<1
	Petrel	<1	--	--	--	--	--	<1	--	--
	Phalarope	<1	<1	1	4	3	6	2	2	3
	Pipit	--	--	--	<1	--	--	<1	--	--
	Plover	2	5	4	5	2	1	3	3	2

Table 5. Number of animals observed/observation period at Fowler Island area and Tuntutuliak area viewing stations during 2007, 2008, and 2009.* All values are rounded to the nearest whole number (Cont'd).

		Fowler			Tuntutuliak			Mean Total		
	Animal	**2007**	**2008**	**2009**	**2007**	**2008**	**2009**	**2007**	**2008**	**2009**
Birds	Pochard	--	--	--	--	--	<1	--	--	<1
	Ptarmigan	1	9	13	7	44	74	4	26	43
	Raptor	<1	<1	<1	<1	<1	--	<1	<1	<1
	Raven	1	2	2	1	2	<1	1	2	2
	Sanderling	--	--	--	--	--	<1	--	--	<1
	Sandpiper	<1	5	<1	3	27	15	2	16	8
	Scaup	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Scoter	4	5	10	3	4	4	4	5	7
	Shrike	--	<1	<1	<1	<1	<1	<1	<1	<1
	Snipe	<1	<1	<1	2	<1	<1	1	<1	<1
	Sparrow	2	<1	2	1	5	13	2	3	7
	Storm-Petrel	<1	--	--	<1	--	--	<1	--	--
	Swallow	<1	1	<1	<1	<1	<1	<1	<1	<1
	Swan	2	3	2	3	5	2	3	4	2
	Teal	<1	<1	<1	<1	<1	2	<1	<1	<1
	Tern	13	12	17	3	5	8	8	8	13
	Thrush	<1	<1	<1	<1	--	--	<1	<1	<1
	Turnstone	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Unidentified Bird	4	<1	<1	<1	4	6	2	2	3
	Unidentified Shorebird	3	7	6	23	21	21	13	14	13
	Unidentified Songbird	2	<1	2	1	4	4	2	2	3
	Unidentified Waterfowl	6	13	13	9	12	9	8	13	11
	Warbler	<1	<1	1	<1	<1	<1	<1	<1	<1
	Wheatear	--	--	<1	--	--	--	--	--	<1
	Whimbrel/Curlew	<1	<1	<1	<1	<1	3	<1	<1	2
	Wigeon	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Yellowlegs	--	<1	<1	<1	<1	<1	<1	<1	<1
	Total Birds Observed/Obs. Period	**153**	**216**	**218**	**185**	**310**	**254**	**169**	**263**	**236**
Mammals	Beaver	--	<1	<1	--	<1	<1	--	<1	<1
	Fox	--	<1	--	<1	<1	<1	<1	<1	<1
	Moose	<1	<1	--	--	--	--	<1	<1	--
	River Otter	--	<1	--	--	--	--	--	<1	--
	Porpoise	--	--	--	--	<1	--	--	<1	--
	Seal	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Unidentified Mammal	--	--	<1	--	<1	--	--	<1	<1
	Weasel	<1	--	--	--	--	<1	<1	--	<1
	Total Mammals Observed/Obs. Period	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**

Table 5. Number of animals observed/observation period at Fowler Island area and Tuntutuliak area viewing stations during 2007, 2008, and 2009.* All values are rounded to the nearest whole number (Cont'd).

	Animal	Fowler			Tuntutuliak			Mean Total		
		2007	2008	2009	2007	2008	2009	2007	2008	2009
	Total Animals Observed/Obs. Period	**153**	**217**	**218**	**185**	**311**	**254**	**169**	**264**	**236**

* In 2009, wildlife observations began on May 20, 2009 at Fowler Island area viewing stations and on June 3, 2009 at Tuntutuliak area viewing stations; they ended on September 29, 2009 for all viewing stations. In 2007, the respective beginning dates were May 17, 2007 and June 1, 2007 and the end date was October 12, 2007 for all viewing stations. In 2008, the respective beginning dates were May 27, 2008 and June 3, 2008, respectively and the end dates were October 7, 2008 and October 8, 2008.

Table 6. Summary of sensitive[1] bird species observed at five viewing stations on the lower Kuskokwim River in 2006,[2] 2007,[3] 2008,[4] and 2009.[7] Those species in **BOLD** are on both Audubon's National and Alaska WatchLists.

Bird Type	Common Name	a) 2007 Audubon National WatchList	b) 2005 Alaska WatchList		Fowler Island Area Viewing Stations								Tuntutuliak Area Viewing Stations								
					ST1				ST6				ST7			ST8			ST9		
			Breed-ing	Non-Breed-ing	2006[2]	2007[3]	2008[4]	2009	2006[2]	2007[3]	2008[4]	2009	2007[3]	2008[4]	2009	2007[3]	2008[4]	2009	2007[3]	2008[4]	2009
Loon	**Yellow-billed Loon**	**Yes**	**-**	**N/A**						**X**						**X**					**X?**
Waterfowl	**Emperor Goose**	**Yes**	**+**	**-**		**X**							**X**								
	Brant	No	+	+			X	X		X	X	X	X	X		X	X		X	X	X
	Black Scoter	No	+	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Long-tailed Duck	No	+	+	X	X	X	X		X	X	X	X	X		X	X		X	X	X
Bird of Prey	Golden Eagle	No	+	N/A		X		X		X		X									
	Peregrine Falcon	No	+	N/A	X	X		X	X	X		X	X	X		X		X		X	
Shorebird	**American Golden-Plover**	**Yes**	**+**	**N/A**	**X**		**X**		**X**							**X**	**X**	**X**	**X**	**X**	**X**
	Pacific Golden-Plover	No	+	+								X	X			X			X		
	Wandering Tattler	**Yes[4]**	**+**	**N/A**								**X**				**X**					
	Whimbrel[6]	No	+	N/A	--[6]		X		--[6]		X	X	X	X	X	X	X	X	X	X	X
	Bristle-thighed Curlew[5]	**Yes**	**+**	+												**X**			**X**		
	Bar-tailed Godwit	**Yes**	**+**	**N/A**	**--[6]**		**X**	**X**	**--[6]**		**X**	**X**			**X**	**X**	**X**	**X**	**B**	**X**	
	Hudsonian Godwit	**Yes**	**+**	+																**X**	
	Ruddy Turnstone	No	+	N/A											X			X	X		
	Black Turnstone	**Yes**	**+**	+	**--[6]**	**X**	**X**		**--[6]**	**X**		**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
	Red Knot	Yes	N/A	N/A													X				
	Rock Sandpiper	Yes	N/A	N/A													X	X		X	X
	Semipalmated Sandpiper[5]	**Yes**	**N/A**	**N/A**	**--[6]**				**--[6]**		**X**		**B**	**X**		**B**	**B**	**X**	**B**	**B**	**B**
	Western Sandpiper[5]	**Yes**	**N/A**	**N/A**	**--[6]**				**X**				**B**		**X**	**X**	**X**	**X**	**B**	**X**	**X**
	Dunlin	No	+	+	**--[6]**	X	B		**--[6]**		X		B	B	B	B	B	X	B	B	B
Seabird	Whiskered Auklet	Yes	N/A	N/A				X				X									
Owl	**Short-eared Owl**	**Yes**	**+**	**N/A**				**X**			**X**	**X**	**X**					**X**	**X**	**X**	
Perching	Varied Thrush	Yes	N/A	N/A		X	X	X		X	X	X									
	Rusty Blackbird	**Yes**	**+**	**N/A**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**									

X = Observed at viewing station. B = Observed doing breeding activities. N/A = Not applicable. ? =Species confirmation not possible in the field.
"+" = Occurs in Western Alaska and is an important habitat for species. "-" = Occurs in Western Alaska but habitat of region is of lesser importance to species.

[1] Sensitive species are defined here as species listed on one or both of the following listings for populations of birds in Western Alaska:
a) National Audubon Society's National WatchList, Red (rock sandpiper only) and Yellow (all others) Species Lists – Continental U.S. and Alaska, 2007 listing - web site viewed on January 15, 2009 at http://web1.audubon.org/science/species/watchlist/browsewatchlist.php. See further discussion in Section 1.1 of this report and Appendix C-1 for scientific names.
b) Stenhouse and Senner (2005). Alaska WatchList – 2005. Audubon Alaska, Anchorage, AK.

[2] Observation data from two Fowler Island area viewing stations in 2006 (Jewett et al. 2007a).

[3] Observation data from two Fowler Island area viewing stations and three Tuntutuliak area stations in 2007 (Jewett et al. 2008a).

[4] Observation data from two Fowler Island area viewing stations and three Tuntutuliak area stations in 2008 (Jewett et al. 2009a).

[5] For similar looking species (e.g., whimbrel/curlew and sandpipers), see further text discussion in Section 3.5 of this report.

[6] In 2006, shorebirds at Fowler Island area viewing stations were often not identified to the species level, and were not as numerous as at Tuntutuliak area stations.

[7] In 2009, two other sensitive species had unconfirmed species identifications: Spectacled eider at ST6 and Sanderling at ST7. However, because neither species has had a confirmed sighting at the five viewing stations during the 4 years of this study, it is not listed in this table but is included in Appendix Table C-1 with a "?"for the list of common and scientific names of animals sighted in 2009.

and bar-tailed godwit; see Table 6), breeding activity was rarely observed at Fowler Island area stations during the 2006 through 2009 observation periods. The Tuntutuliak viewing stations continued to have sightings of a variety of shorebird species or species groupings demonstrating the apparent importance of the Tuntutuliak area tidal flats as habitat for shorebird populations.

No Threatened or Endangered Species, as regulated by the USFWS, had confirmed sightings at any of the viewing stations in 2009. However, eiders were sighted by both field teams in 2009 i.e., 7 birds total in June at viewing stations ST6 (6 birds) and ST9 (1 bird) and 12 birds in August at ST6). There are four potential eider species in Alaska (Sibley 2003); two of those species are federally listed as Threatened. The Tuntutuliak area field team did positively identify a single king eider (*Somateria spectabilis*) on June 24 that was resting very near to viewing station ST9. However, the remaining 17 of the 18 eiders sighted in 2009 were too far away (at very far distant, across the river) and seen too briefly due to their traveling in flight for the Fowler Island area field team to make a positive species identification and determine whether they were one of the Threatened species (i.e., spectacled eider, *Somateria fischeri,* or Steller's eider, *Polysticta stelleri*). The Fowler Island area field team noted that the six birds they saw on June 8 at viewing station ST6 could possibly be spectacled eiders; the other 12 eiders that they sighted on August 7 at the same viewing station were not discernible to the species level by the wildlife observers.

3.5 Comparison of 2009 Wildlife Observations with Previous Years

When comparing total bird counts for the five viewing stations combined in 2009 (i.e., 73,447 birds), the quantity sighted was comparable to 2007 (70,566 birds) but less than in 2008 (104,599 birds)--especially for Tuntutuliak area viewing stations. Certainly some of these quantitative differences were due to the fewer number of observation periods in the key migration month of September (i.e., 59 total observation periods in September 2009 and 55 observation periods in September 2007 versus 92 observation periods in 2008, as reported in Jewett et al.[2009a]).

As mentioned previously in Section 3.4, to compare the relative number of animals observed from 2007 through 2009, the data were converted to number of animals observed/observation period (Table 5). When these data were standardized in this manner for the various bird groups, the observations between years were remarkably similar (see Table 5). Differences in three species groups (geese, sandpipers, and finches in order of relative abundance) accounted for much of these annual count differences (Table 5). There is the possibility that such increases in 2008 could be a result of a larger pulse of birds in 2008, however, it is more likely that this was due to the fewer viewing days in September 2007 and September 2009 (due to prolonged bad weather). All three of these species groups were typically most abundant in the month of September (except in 2007). Therefore, the fewer observation days in September 2007 and 2009 undoubtedly affected the counts of these birds that month, and due to the magnitude of their numbers, affected the total annual count as well.

For the 3-year study period where data were collected for five viewing stations, there were between-area differences (Table 5) in what birds were observed at Tuntutuliak and Fowler Island area viewing stations. At Tuntutuliak area stations, observers typically counted more ptarmigan, shorebirds (including sandpipers), and phalarope than at Fowler Island stations. However, more gulls, terns, scoters, finches and blackbirds were observed at Fowler Island area stations (Table 5). In addition, there was also a large pulse of ptarmigan observed at the Tuntutuliak viewing stations in September 2009 (the largest seen over the 3 years of monitoring at Tuntutuliak viewing stations); this migratory pulse was less evident at Fowler Island area stations (see Tables 4 and 5).

Some between-year differences in Tables 5 and 6 were also a function of species identifications. For example, whimbrel and bristle-thighed curlew (both of the genus *Numenius*) are two shorebirds that are extremely difficult to differentiate, especially for birds in flight. As such, in 2009, when the observer was certain it was one or the other species, a single combined identification was done (i.e., whimbrel/curlew). The same sort of grouping was done for three calidrid species of sandpiper that occurred in the region--least sandpiper (*Calidris minutilla*), semipalmated sandpiper (*C. pusilla*), and western sandpiper (*C. mauri*). However, whenever an individual species was discernible (e.g., due to its landing/resting near the wildlife observer), then the species identification was noted.

The multi-species categorization is the same approach that was used in previous years of this observation program for spotted/harbor seal (*Phoca* spp.; Jewett et al. 2007a, 2008a). Due to an overlap in morphological characteristics, as well as hypothesized hybridizing of these two seal species in this region of Alaska (Pers. Commun., Gay Sheffield and Lori Quackenbush of ADF&G, in-person conversations with S. Harper, 2007 and 2008), only a genetic analysis of tissue samples would definitively identify a harbor seal versus a spotted seal. So, although some seals came quite close to the wildlife observers and good photo documentation was often obtained, in those instances the multispecies seal identification of "harbor/spotted seal" was still used.

The observation program has documented pulses of birds that move through the Kuskokwim River delta as a result of nesting, staging, and migratory behavior. These pulses vary by species group and have been described previously in Section 3.3 for 2009. In 2009, the maximum total daily bird count for all 5 viewing stations combined was on September 23, 2009 which was more than a month later than the maximum count in 2008 on August 21. In 2007, the maximum count was less than one week later (August 27, 2007). The timing of the pulses is expected to show some variation from year to year due to a variety of variables, including weather and food availability. As shown in Figure 7, in 2009, smaller pulses of total bird counts occurred multiple times in September, and much less so in August.

3.6 Other Observations

During the daily wildlife observations, records of non-wildlife activity were also made. These were observations of human activity, i.e., activity that may have had a bearing on the wildlife observations. Human activity was mainly in the form of vessels transiting

upriver and downriver, past the five fixed viewing station locations. Therefore, human activity was recorded if it occurred on the river in front of the stations.

Most small vessel activity was associated with commercial and subsistence fishing, such as deploying or retrieving salmon nets. Further discussion of these data and other fishing activity survey data collected in 2009 are presented in the 2009 Fishing Activity Surveys report (Jewett et al. 2010).

Although seemingly much human activity occurred during the observation periods, the observers were unable to determine if the wildlife seen or not seen were a result of the human activity (vessels) or the actual presence of the observers. This study was not designed to address avoidance/attraction responses of the wildlife.

In 2009, several of the fixed viewing stations had their riverbanks erode on multiple occasions following high winds/waves during multiple storms and/or in combination with high tide conditions. This included loss of more than 14 ft of riverbank at viewing station ST6 (Photo 9)--the same site that lost 15 ft of riverbank during the 2008 field season (see Jewett et al. 2009b); also, 21 ft at station ST8; and 6 ft at station ST9. This erosion, and similar events observed in 2006 at viewing station ST6 (Jewett et al. 2007a), and at ST1 in 2007 (Jewett et al. 2008a), demonstrated the constantly changing nature of the lower Kuskokwim River, even over the relatively short time span of 5 months each that the 2006, 2007, 2008, and 2009 observation programs were in place.

4.0 Summary

4.1 Wildlife Observations

- In 2009, a total of 73,473 animals were observed at five fixed viewing stations on the lower Kuskokwim River from May 20, 2009 through September 29, 2009. This was an average of 171 animals observed per day per viewing station in 2009. The overwhelming majority of animals seen were birds (73,447) and only 26 mammals (20 of those seals—11 spotted/harbor seals, 1 bearded seal, and 8 unidentified seals). One dead harbor porpoise was also sighted.

- At least 132 animal species or species groups were identified in 2009 (106 at Fowler Island area viewing stations and 106 at Tuntutuliak area viewing stations; of these, 103 and 100 were bird species or bird species groups, respectively).

- The total number of observation periods in 2009 was 130 at Fowler Island area viewing stations and 178 at Tuntutuliak area viewing stations (typically Monday through Friday). In almost all cases, if observations were not done on a weekday it was due to adverse weather conditions that made travel unsafe on the river. The fewer number of observation periods completed in 2009 was an indicator of the poor weather conditions during the 2009 field season relative to 2008 when 166 observation periods and 221 observation periods were completed, respectively.

- Ptarmigan, geese, and gulls dominated the bird observations in 2009 and comprised over 56% of all birds seen. Overall bird counts in 2009 were the highest during the month of September. The highest single total day count for the five fixed stations combined occurred on September 23, 2009 (4,077 total birds); this was the highest daily count obtained during the 4 years of this study.

- Scoter counts (i.e., black, surf, and white-winged scoters) were highest in May through July of 2009. For black scoters, a species popular with subsistence hunters, a total of 1,024 black scoters were observed at the five viewing stations from May to September 2009. The highest number of black scoters observed at all viewing stations in 2009 on a single day was 124 birds on June 26, 2009; 120 of those were observed in a single group at station ST6.

- Subsistence hunters told biologists that during the 1980's, groups of 100 or more black scoters were seen migrating up the Kuskokwim River in the spring. In recent years, they reported that a group of 10 to 20 individuals was more typical. During the four years (2006-09) of monitoring, a maximum size group was 22, 50, 28, and 120 birds, respectively. Therefore, based on our study data, larger groups of black scoters still occur in the region.

- For the two study areas of interest, 38% of the total birds and mammals observed in 2009 were counted at Fowler Island viewing stations (218 animals/observation period); 62% were counted at Tuntutuliak area viewing stations (254 animals/observation period). At Fowler Island stations, more gulls, terns, scoters, finches, and blackbirds were observed. At Tuntutuliak viewing stations, more ptarmigan, shorebirds (including sandpipers), phalarope, and marine mammals were counted. As in 2008, there was also a large pulse of ptarmigan observed at the Tuntutuliak viewing stations in September 2009 (the largest observed over the 3 years of monitoring from 2007 through 2009 at Tuntutuliak viewing stations).

- Twenty-one species of sensitive birds on the Audubon WatchLists were observed at Tuntutuliak viewing stations over a 3-year period from 2007 through 2009; four of the species (bar-tailed godwit, semipalmated sandpiper, western sandpiper, and dunlin) were observed conducting breeding activities. Twenty sensitive bird species were observed at Fowler Island area stations over a 4-year period (from 2006 through 2009); only one sensitive bird species (i.e., dunlin in 2008) was observed exhibiting breeding behavior at Fowler Island area stations. The importance of Tuntutuliak area tidal flats was especially apparent among shorebirds where 14 sensitive shorebird species were sighted at Tuntutuliak area stations over a 3-year period versus seven sensitive species at Fowler Island area stations over a 4-year period.

- When comparing total bird counts in 2007 and 2009 to 2008, the fewer observation hours in September 2007 and September 2009 (due to stormy weather conditions) probably contributed to the overall lower 2007 and 2009 total counts. Differences in three species groups (geese, sandpipers, and finches in order of relative abundance) accounted for much of these annual count differences.

- The observation program documented pulses of birds that moved through the Kuskokwim River delta on an annual basis as a result of nesting, staging, and migratory behavior. These pulses varied by species group. In 2009, the peak total bird count on September 23, 2009 for all 5 viewing stations combined was more than one month later than the peak count in 2008 and three weeks later than in 2007.

- In 2009, 26 mammals were observed at the five Lower Kuskokwim River viewing stations. These included one bearded seal, 11 spotted/harbor seals, eight unidentified seals, three beaver, one fox, one weasel, and one unidentified mammal. The 2009 mammal sightings were similarly rare (relative to birds) and comparable to previous years of this monitoring program.

- Seals were the most abundant marine mammal observed on the Kuskokwim River by the field teams, but very occasionally, porpoise or whales do make their way into the river. In 2008, a harbor porpoise was the first and only live Cetacean seen

by study field teams during the four years of wildlife observations. In 2009, an additional dead harbor porpoise was sighted by a field team.

4.2 Other Observations

- In 2009, 43% of the 308 observation periods were done on overcast days. However, visibility was estimated to be 100% for 82% of the observation periods.

- In 2009, several of the fixed viewing stations had riverbanks erode on multiple occasions following high winds/waves during multiple storms and/or in combination with high tide conditions and spring flooding during breakup. During the 2009 field season, this included loss of more than 14 ft of riverbank at viewing station ST6; 21 ft at station ST8; and 6 ft at station ST9. This erosion, and similar events observed in previous years of this study demonstrated the constantly changing nature of the lower Kuskokwim River, even over the relatively short time span of 5 months each that the 2006, 2007, 2008, and 2009 observation programs were in place.

5.0 References

Note: Field identification guides used during the field season are marked with an asterisk (*).

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APPENDIX A

PHYSICAL OBSERVATION DATA FOR THE WILDLIFE OBSERVATIONS AT FOWLER ISLAND AREA AND TUNTUTULIAK AREA VIEWING STATIONS ON THE KUSKOKWIM RIVER DURING 2009

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
5 /20/2009	ST6	10:33:00 AM	Douglas, Rothschild	4	120	39	Overcast
5 /20/2009	ST1	12:13:00 PM	Douglas, Rothschild	6	164	41	Overcast
5 /21/2009	ST6	10:26:00 AM	Douglas, Rothschild	3	195	46	Clear
5 /21/2009	ST1	11:52:00 AM	Douglas, Rothschild	3	138	52	Clear
5 /22/2009	ST6	10:26:00 AM	Douglas, Rothschild	5	35	49	Overcast
5 /22/2009	ST1	11:52:00 AM	Douglas, Rothschild	8	122	52	Overcast
5 /26/2009	ST6	10:16:00 AM	Douglas, Rothschild	17	308	42	Mostly Clouds
5 /26/2009	ST1	11:51:00 AM	Douglas, Rothschild	13	322	52	Clear
5 /27/2009	ST6	10:22:00 AM	Douglas, Rothschild	19	2	48	Clear
5 /27/2009	ST1	11:58:00 AM	Douglas, Rothschild	19	0	54	Clear
5 /28/2009	ST6	10:11:00 AM	Douglas, Rothschild	13	30	39	Mostly Clouds
5 /28/2009	ST1	11:58:00 AM	Douglas, Rothschild	12	332	47	Partial Clouds
5 /29/2009	ST6	10:14:00 AM	Douglas, Rothschild	9	312	34	Overcast
5 /29/2009	ST1	11:44:00 AM	Douglas, Rothschild	5	324	38	Overcast
6 /1 /2009	ST6	10:34:00 AM	Douglas, Rothschild	3	148	53	Overcast
6 /1 /2009	ST1	12:08:00 PM	Douglas, Rothschild	4	142	54	Overcast
6 /2 /2009	ST6	10:12:00 AM	Douglas, Rothschild	11	172	51	Mostly Clouds
6 /3 /2009	ST9	10:10:00 AM	S. Harper, L. Friendly	16	145	53	Partial Clouds
6 /3 /2009	ST8	11:30:00 AM	S. Harper, L. Friendly	10	170	58	Mostly Clouds
6 /3 /2009	ST7	01:00:00 PM	S. Harper, L. Friendly	4	170	65	Partial Clouds
6 /8 /2009	ST9	10:15:00 AM	Leroy Friendly	9	220	57	Mostly Clouds
6 /8 /2009	ST6	10:32:00 AM	Douglas, Rothschild	11	194	56	Mostly Clouds
6 /8 /2009	ST8	11:28:00 AM	Leroy Friendly	11	220	55	Mostly Clouds
6 /8 /2009	ST1	12:05:00 PM	Douglas, Rothschild	15	220	53	Overcast
6 /8 /2009	ST7	12:49:00 PM	Leroy Friendly	13	200	53	Mostly Clouds
6 /9 /2009	ST9	09:50:00 AM	L. Friendly, Carl Andrew	11	20	47	Overcast
6 /9 /2009	ST8	11:06:00 AM	L. Friendly, Carl Andrew	11	310	48	Overcast
6 /9 /2009	ST6	11:19:00 AM	Douglas, Rothschild	9	192	50	Overcast

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
6 /9 /2009	ST7	12:27:00 PM	L. Friendly, Carl Andrew	9	180	50	Overcast
6 /10/2009	ST7	09:50:00 AM	S. Harper, L. Friendly	11	45	60	Clear
6 /10/2009	ST6	10:03:00 AM	Douglas, Rothschild	14	30	55	Clear
6 /10/2009	ST8	11:10:00 AM	S. Harper, L. Friendly	9	10	65	Clear
6 /10/2009	ST1	11:36:00 AM	Douglas, Rothschild	11	46	66	Clear
6 /10/2009	ST9	12:30:00 PM	S. Harper, L. Friendly	7	0	65	Clear
6 /11/2009	ST6	10:33:00 AM	Douglas, Rothschild	14	28	61	Clear
6 /11/2009	ST1	12:05:00 PM	Douglas, Rothschild	16	16	68	Clear
6 /11/2009	ST7	02:00:00 PM	S. Harper, L. Friendly	13	20	80	Clear
6 /11/2009	ST8	03:30:00 PM	S. Harper, L. Friendly	0	0	70	Clear
6 /11/2009	ST9	04:45:00 PM	S. Harper, L. Friendly	13	230	78	Clear
6 /12/2009	ST7	09:40:00 AM	S. Harper, L. Friendly	12	200	54	Partial Clouds
6 /12/2009	ST6	10:45:00 AM	Douglas, Rothschild	14	200	56	Clear
6 /12/2009	ST8	11:25:00 AM	S. Harper, L. Friendly	12	220	52	Partial Clouds
6 /12/2009	ST9	12:40:00 PM	S. Harper, L. Friendly	12	200	62	Partial Clouds
6 /15/2009	ST7	09:40:00 AM	S. Harper, L. Friendly	6	0	53	Mostly Clouds
6 /15/2009	ST6	10:08:00 AM	Roger Rothschild	7	10	53	Overcast
6 /15/2009	ST8	11:05:00 AM	S. Harper, L. Friendly	8	0	53	Overcast
6 /15/2009	ST1	11:45:00 AM	Roger Rothschild	4	344	58	Overcast
6 /15/2009	ST9	12:20:00 PM	S. Harper, L. Friendly	9	0	55	Overcast
6 /16/2009	ST7	10:00:00 AM	Shawn Harper	9	10	61	Partial Clouds
6 /16/2009	ST6	10:18:00 AM	Roger Rothschild	12	0	58	Partial Clouds
6 /16/2009	ST1	11:40:00 AM	Roger Rothschild	11	330	64	Partial Clouds
6 /16/2009	ST8	12:00:00 PM	Shawn Harper	11	25	62	Clear
6 /16/2009	ST9	12:55:00 PM	Shawn Harper	12	25	63	Clear
6 /17/2009	ST6	10:40:00 AM	Roger Rothschild	3	106	55	Overcast
6 /17/2009	ST9	12:00:00 PM	S. Harper, C. Andrew	0	0	60	Overcast
6 /17/2009	ST1	12:06:00 PM	Roger Rothschild	8	228	63	Mostly Clouds

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
6 /17/2009	ST8	01:10:00 PM	S. Harper, C. Andrew	6	225	61	Overcast
6 /17/2009	ST7	02:30:00 PM	S. Harper, C. Andrew	12	210	60	Overcast
6 /18/2009	ST9	10:10:00 AM	S. Harper, L. Friendly	12	140	57	Mostly Clouds
6 /18/2009	ST6	10:15:00 AM	Roger Rothschild	3	156	58	Mostly Clouds
6 /18/2009	ST8	11:20:00 AM	S. Harper, L. Friendly	9	200	57	Overcast
6 /18/2009	ST1	11:44:00 AM	Roger Rothschild	6	168	61	Mostly Clouds
6 /18/2009	ST7	01:00:00 PM	S. Harper, L. Friendly	13	180	59	Overcast
6 /19/2009	ST7	09:55:00 AM	S. Harper, L. Friendly	6	100	60	Mostly Clouds
6 /19/2009	ST6	10:34:00 AM	Roger Rothschild	5	68	60	Partial Clouds
6 /19/2009	ST8	11:20:00 AM	S. Harper, L. Friendly	13	125	63	Mostly Clouds
6 /19/2009	ST1	12:10:00 PM	Roger Rothschild	6	102	64	Partial Clouds
6 /19/2009	ST9	12:35:00 PM	S. Harper, L. Friendly	12	125	59	Mostly Clouds
6 /22/2009	ST6	12:52:00 PM	Roger Rothschild	13	120	48	Overcast
6 /23/2009	ST9	10:10:00 AM	S. Harper, L. Friendly	11	160	48	Overcast
6 /23/2009	ST6	10:41:00 AM	Roger Rothschild	6	198	50	Overcast
6 /23/2009	ST8	11:20:00 AM	S. Harper, L. Friendly	6	190	48	Overcast
6 /23/2009	ST1	12:25:00 PM	Roger Rothschild	5	212	53	Overcast
6 /23/2009	ST7	12:40:00 PM	S. Harper, L. Friendly	12	190	50	Overcast
6 /24/2009	ST6	10:13:00 AM	Roger Rothschild	7	284	48	Overcast
6 /24/2009	ST7	10:50:00 AM	L. Friendly, Carl Andrew	3	210	51	Overcast
6 /24/2009	ST1	11:57:00 AM	Roger Rothschild	5	290	54	Overcast
6 /24/2009	ST8	12:07:00 PM	L. Friendly, Carl Andrew	0	0	60	Overcast
6 /24/2009	ST9	01:15:00 PM	L. Friendly, Carl Andrew	3	340	58	Overcast
6 /25/2009	ST7	09:55:00 AM	S. Harper, L. Friendly	12	260	48	Overcast
6 /25/2009	ST6	10:20:00 AM	Roger Rothschild	18	240	49	Overcast
6 /25/2009	ST8	11:15:00 AM	S. Harper, L. Friendly	14	270	49	Overcast
6 /25/2009	ST9	12:30:00 PM	S. Harper, L. Friendly	11	245	50	Overcast
6 /26/2009	ST9	09:20:00 AM	S. Harper, L. Friendly	6	235	47	Overcast

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
6 /26/2009	ST8	10:35:00 AM	S. Harper, L. Friendly	3	235	49	Overcast
6 /26/2009	ST6	10:40:00 AM	Roger Rothschild	5	200	50	Overcast
6 /26/2009	ST7	11:55:00 AM	S. Harper, L. Friendly	7	220	51	Overcast
6 /26/2009	ST1	12:35:00 PM	Roger Rothschild	8	252	54	Overcast
6 /29/2009	ST9	10:00:00 AM	Leroy Friendly	11	88	50	Overcast
6 /29/2009	ST6	10:35:00 AM	Roger Rothschild	6	0	50	Overcast
6 /29/2009	ST8	11:24:00 AM	Leroy Friendly	8	20	51	Mostly Clouds
6 /29/2009	ST1	12:15:00 PM	Roger Rothschild	3	336	55	Overcast
6 /29/2009	ST7	12:46:00 PM	Leroy Friendly	4	10	59	Partial Clouds
6 /30/2009	ST9	09:55:00 AM	Leroy Friendly	12	150	58	Clear
6 /30/2009	ST6	10:14:00 AM	Roger Rothschild	6	162	62	Mostly Clouds
6 /30/2009	ST1	11:58:00 AM	Roger Rothschild	9	182	64	Mostly Clouds
7 /1 /2009	ST9	09:50:00 AM	S. Harper, L. Friendly	0	0	67	Partial Clouds
7 /1 /2009	ST8	11:00:00 AM	S. Harper, L. Friendly	0	0	65	Partial Clouds
7 /1 /2009	ST6	12:07:00 PM	Roger Rothschild	3	316	67	Clear
7 /1 /2009	ST7	12:25:00 PM	S. Harper, L. Friendly	6	270	62	Partial Clouds
7 /1 /2009	ST1	02:03:00 PM	Roger Rothschild	1	200	75	Clear
7 /2 /2009	ST6	10:56:00 AM	Roger Rothschild	0	0	65	Clear
7 /2 /2009	ST7	11:15:00 AM	S. Harper, L. Friendly	0	0	72	Partial Clouds
7 /2 /2009	ST1	12:26:00 PM	Roger Rothschild	0	0	77	Partial Clouds
7 /2 /2009	ST8	12:35:00 PM	S. Harper, L. Friendly	3	135	68	Partial Clouds
7 /2 /2009	ST9	01:45:00 PM	S. Harper, L. Friendly	6	180	75	Partial Clouds
7 /6 /2009	ST7	09:45:00 AM	S. Harper, L. Friendly	9	80	62	Mostly Clouds
7 /6 /2009	ST6	10:39:00 AM	Roger Rothschild	5	70	66	Mostly Clouds
7 /6 /2009	ST8	11:05:00 AM	S. Harper, L. Friendly	3	80	75	Mostly Clouds
7 /6 /2009	ST9	12:15:00 PM	S. Harper, L. Friendly	4	120	79	Partial Clouds
7 /6 /2009	ST1	12:20:00 PM	Roger Rothschild	1	82	76	Mostly Clouds
7 /7 /2009	ST6	10:40:00 AM	Roger Rothschild	12	240	55	Overcast

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
7 /7 /2009	ST9	11:20:00 AM	S. Harper, L. Friendly	11	200	56	Overcast
7 /7 /2009	ST8	12:35:00 PM	S. Harper, L. Friendly	15	215	58	Overcast
7 /7 /2009	ST7	02:00:00 PM	S. Harper, L. Friendly	15	200	56	Overcast
7 /8 /2009	ST7	10:00:00 AM	S. Harper, L. Friendly	3	260	48	Overcast
7 /8 /2009	ST6	11:05:00 AM	Roger Rothschild	7	240	51	Overcast
7 /8 /2009	ST8	11:25:00 AM	S. Harper, L. Friendly	0	0	50	Overcast
7 /8 /2009	ST1	12:32:00 PM	Roger Rothschild	9	238	55	Overcast
7 /8 /2009	ST9	01:35:00 PM	S. Harper, L. Friendly	0	0	51	Overcast
7 /9 /2009	ST7	10:10:00 AM	S. Harper, L. Friendly	8	35	52	Overcast
7 /9 /2009	ST6	10:45:00 AM	Roger Rothschild	13	40	53	Overcast
7 /9 /2009	ST8	11:30:00 AM	S. Harper, L. Friendly	10	35	53	Overcast
7 /9 /2009	ST1	12:25:00 PM	Roger Rothschild	3	28	57	Overcast
7 /9 /2009	ST9	12:50:00 PM	S. Harper, L. Friendly	12	35	53	Overcast
7 /10/2009	ST9	09:45:00 AM	S. Harper, L. Friendly	10	0	62	Partial Clouds
7 /10/2009	ST8	11:00:00 AM	S. Harper, L. Friendly	7	335	70	Partial Clouds
7 /10/2009	ST6	11:11:00 AM	Roger Rothschild	7	18	63	Clear
7 /10/2009	ST7	12:20:00 PM	S. Harper, L. Friendly	7	335	70	Partial Clouds
7 /10/2009	ST1	12:48:00 PM	Roger Rothschild	7	10	72	Clear
7 /13/2009	ST6	10:26:00 AM	Roger Rothschild	10	160	61	Overcast
7 /14/2009	ST7	09:40:00 AM	S. Harper, L. Friendly	10	300	50	Foggy
7 /14/2009	ST8	10:55:00 AM	S. Harper, L. Friendly	6	300	53	Overcast
7 /14/2009	ST6	11:12:00 AM	Roger Rothschild	5	316	54	Overcast
7 /14/2009	ST9	12:05:00 PM	S. Harper, L. Friendly	3	290	55	Overcast
7 /14/2009	ST1	12:50:00 PM	Roger Rothschild	3	262	56	Overcast
7 /15/2009	ST7	09:30:00 AM	L. Friendly, Carl Andrew	3	320	50	Overcast
7 /15/2009	ST6	10:29:00 AM	Roger Rothschild	6	270	52	Overcast
7 /15/2009	ST8	10:45:00 AM	L. Friendly, Carl Andrew	8	300	51	Overcast
7 /15/2009	ST9	12:00:00 PM	L. Friendly, Carl Andrew	4	290	53	Overcast

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
7 /15/2009	ST1	12:20:00 PM	Roger Rothschild	5	234	57	Overcast
7 /16/2009	ST6	10:22:00 AM	Roger Rothschild	9	60	60	Mostly Clouds
7 /16/2009	ST7	11:15:00 AM	L. Friendly, Carl Andrew	11	90	72	Partial Clouds
7 /16/2009	ST8	12:35:00 PM	L. Friendly, Carl Andrew	8	160	79	Clear
7 /16/2009	ST9	01:45:00 PM	L. Friendly, Carl Andrew	10	160	69	Clear
7 /20/2009	ST9	09:55:00 AM	L. Friendly, Carl Andrew	15	110	51	Overcast
7 /20/2009	ST8	11:15:00 AM	L. Friendly, Carl Andrew	12	130	58	Overcast
7 /20/2009	ST6	11:19:00 AM	H. Douglas, R. Rothchild	8	140	56	Overcast
7 /20/2009	ST7	12:30:00 PM	L. Friendly, Carl Andrew	13	130	57	Overcast
7 /20/2009	ST1	12:48:00 PM	Douglas, Rothschild	12	134	57	Overcast
7 /22/2009	ST7	10:40:00 AM	L. Friendly, Carl Andrew	12	40	64	Mostly Clouds
7 /22/2009	ST8	10:55:00 AM	L. Friendly, Carl Andrew	7	50	63	Mostly Clouds
7 /22/2009	ST6	11:05:00 AM	H. Douglas, R. Rothchild	11	35	63	Partial Clouds
7 /22/2009	ST9	12:10:00 PM	L. Friendly, Carl Andrew	12	60	68	Partial Clouds
7 /23/2009	ST7	09:40:00 AM	L. Friendly, Carl Andrew	5	130	57	Overcast
7 /23/2009	ST8	10:55:00 AM	L. Friendly, Carl Andrew	6	120	62	Overcast
7 /23/2009	ST6	11:24:00 AM	H. Douglas, R. Rothchild	3	148	59	Mostly Clouds
7 /23/2009	ST9	12:05:00 PM	L. Friendly, Carl Andrew	12	150	60	Overcast
7 /23/2009	ST1	12:56:00 PM	H. Douglas, R. Rothchild	11	142	62	Mostly Clouds
7 /24/2009	ST7	09:40:00 AM	L. Friendly, Carl Andrew	7	140	63	Mostly Clouds
7 /24/2009	ST8	11:00:00 AM	L. Friendly, Carl Andrew	12	130	64	Mostly Clouds
7 /24/2009	ST6	11:15:00 AM	Douglas, Rothschild	5	48	64	Mostly Clouds
7 /24/2009	ST9	12:10:00 PM	L. Friendly, Carl Andrew	9	140	58	Mostly Clouds
7 /24/2009	ST1	12:48:00 PM	Douglas, Rothschild	13	115	62	Partial Clouds
7 /27/2009	ST7	09:50:00 AM	Shawn Harper	13	90	55	Overcast
7 /27/2009	ST6	11:23:00 AM	Douglas, Rothschild	12	144	61	Partial Clouds
7 /28/2009	ST6	11:20:00 AM	Douglas, Rothschild	7	148	58	Overcast
7 /28/2009	ST1	01:07:00 PM	Douglas, Rothschild	13	94	59	Overcast

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
7 /29/2009	ST9	09:55:00 AM	S. Harper, L. Friendly	10	145	57	Overcast
7 /29/2009	ST8	11:15:00 AM	S. Harper, L. Friendly	14	145	55	Overcast
7 /29/2009	ST6	11:17:00 AM	Douglas, Rothschild	6	117	60	Overcast
7 /30/2009	ST9	09:50:00 AM	S. Harper, L. Friendly	10	215	54	Mostly Clouds
7 /30/2009	ST8	11:10:00 AM	S. Harper, L. Friendly	15	210	53	Mostly Clouds
7 /30/2009	ST6	11:29:00 AM	Douglas, Rothschild	2	194	50	Mostly Clouds
7 /30/2009	ST7	12:40:00 PM	S. Harper, L. Friendly	13	205	55	Mostly Clouds
7 /31/2009	ST7	09:45:00 AM	S. Harper, L. Friendly	8	240	56	Overcast
7 /31/2009	ST6	11:29:00 AM	Douglas, Rothschild	7	240	53	Overcast
8 /3 /2009	ST7	09:35:00 AM	L. Friendly, Carl Andrew	4	120	61	Mostly Clouds
8 /3 /2009	ST8	10:55:00 AM	L. Friendly, Carl Andrew	6	110	67	Partial Clouds
8 /3 /2009	ST6	11:27:00 AM	Douglas, Rothschild	6	80	64	Partial Clouds
8 /3 /2009	ST9	12:10:00 PM	L. Friendly, Carl Andrew	7	90	68	Partial Clouds
8 /3 /2009	ST1	01:02:00 PM	Douglas, Rothschild	8	98	65	Clear
8 /4 /2009	ST9	10:45:00 AM	S. Harper, L. Friendly	7	60	60	Overcast
8 /4 /2009	ST6	11:16:00 AM	Douglas, Rothschild	8	56	65	Overcast
8 /4 /2009	ST8	12:05:00 PM	S. Harper, L. Friendly	9	60	66	Mostly Clouds
8 /4 /2009	ST1	12:51:00 PM	Douglas, Rothschild	8	62	65	Overcast
8 /4 /2009	ST7	01:30:00 PM	S. Harper, L. Friendly	7	60	61	Overcast
8 /5 /2009	ST9	10:05:00 AM	Shawn Harper	17	155	53	Overcast
8 /5 /2009	ST8	11:25:00 AM	Shawn Harper	11	180	58	Mostly Clouds
8 /5 /2009	ST6	11:49:00 AM	Douglas, Rothschild	6	225	57	Overcast
8 /5 /2009	ST7	12:50:00 PM	Shawn Harper	10	195	60	Mostly Clouds
8 /5 /2009	ST1	01:19:00 PM	Douglas, Rothschild	5	202	60	Overcast
8 /6 /2009	ST7	09:50:00 AM	S. Harper, L. Friendly	7	90	61	Partial Clouds
8 /6 /2009	ST8	11:15:00 AM	S. Harper, L. Friendly	9	90	67	Partial Clouds
8 /6 /2009	ST6	11:22:00 AM	Douglas, Rothschild	0	0	58	Clear
8 /6 /2009	ST1	12:15:00 PM	Douglas, Rothschild	2	60	68	Clear

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
8 /6 /2009	ST9	12:25:00 PM	S. Harper, L. Friendly	8	140	65	Partial Clouds
8 /7 /2009	ST9	09:50:00 AM	S. Harper, L. Friendly	0	0	66	Partial Clouds
8 /7 /2009	ST8	11:00:00 AM	S. Harper, L. Friendly	0	0	70	Partial Clouds
8 /7 /2009	ST6	11:26:00 AM	Douglas, Rothschild	11	48	60	Partial Clouds
8 /7 /2009	ST7	12:20:00 PM	S. Harper, L. Friendly	0	0	70	Partial Clouds
8 /7 /2009	ST1	12:55:00 PM	Douglas, Rothschild	6	110	70	Clear
8 /10/2009	ST7	09:30:00 AM	S. Harper, C. Andrew	11	10	50	Overcast
8 /10/2009	ST8	10:50:00 AM	S. Harper, C. Andrew	10	350	51	Overcast
8 /10/2009	ST6	12:00:00 PM	Douglas, Rothschild	13	325	53	Overcast
8 /10/2009	ST9	12:05:00 PM	S. Harper, C. Andrew	11	350	52	Overcast
8 /10/2009	ST1	01:28:00 PM	Douglas, Rothschild	13	312	55	Overcast
8 /11/2009	ST7	09:35:00 AM	S. Harper, C. Andrew	5	290	50	Foggy
8 /11/2009	ST8	10:55:00 AM	S. Harper, C. Andrew	4	350	54	Overcast
8 /11/2009	ST9	12:05:00 PM	S. Harper, C. Andrew	5	350	54	Overcast
8 /12/2009	ST6	11:09:00 AM	Douglas, Rothschild	8	174	56	Overcast
8 /12/2009	ST9	11:15:00 AM	L. Friendly, Carl Andrew	28	150	53	Mostly Clouds
8 /14/2009	ST6	12:24:00 PM	Douglas, Rothschild	8	170	57	Overcast
8 /14/2009	ST1	02:04:00 PM	Douglas, Rothschild	9	168	59	Mostly Clouds
8 /17/2009	ST7	09:40:00 AM	S. Harper, C. Andrew	6	200	62	Partial Clouds
8 /17/2009	ST8	11:00:00 AM	S. Harper, C. Andrew	8	255	55	Foggy
8 /17/2009	ST6	11:26:00 AM	Douglas, Rothschild	2	244	59	Clear
8 /17/2009	ST9	12:10:00 PM	S. Harper, C. Andrew	5	270	65	Partial Clouds
8 /17/2009	ST1	01:01:00 PM	Douglas, Rothschild	6	228	64	Clear
8 /18/2009	ST9	09:40:00 AM	S. Harper, C. Andrew	6	235	50	Overcast
8 /18/2009	ST8	10:50:00 AM	S. Harper, C. Andrew	10	240	50	Overcast
8 /18/2009	ST6	11:33:00 AM	Douglas, Rothschild	8	240	49	Overcast
8 /18/2009	ST7	12:10:00 PM	S. Harper, C. Andrew	9	225	50	Overcast
8 /18/2009	ST1	01:11:00 PM	Douglas, Rothschild	12	220	51	Overcast

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
8 /19/2009	ST7	09:35:00 AM	S. Harper, C. Andrew	0	0	59	Partial Clouds
8 /19/2009	ST8	10:50:00 AM	S. Harper, C. Andrew	0	0	69	Partial Clouds
8 /19/2009	ST9	12:00:00 PM	S. Harper, C. Andrew	0	0	71	Partial Clouds
8 /20/2009	ST7	09:35:00 AM	S. Harper, C. Andrew	11	220	52	Overcast
8 /20/2009	ST8	11:00:00 AM	S. Harper, C. Andrew	10	240	52	Overcast
8 /20/2009	ST9	12:10:00 PM	S. Harper, C. Andrew	6	270	55	Overcast
8 /21/2009	ST9	09:50:00 AM	S. Harper, C. Andrew	10	200	53	Overcast
8 /21/2009	ST8	11:00:00 AM	S. Harper, C. Andrew	14	245	55	Mostly Clouds
8 /21/2009	ST7	12:30:00 PM	S. Harper, C. Andrew	17	200	53	Overcast
8 /24/2009	ST9	09:40:00 AM	S. Harper, C. Andrew	0	0	50	Overcast
8 /24/2009	ST8	10:50:00 AM	S. Harper, C. Andrew	2	260	50	Mostly Clouds
8 /24/2009	ST7	12:10:00 PM	S. Harper, C. Andrew	5	195	52	Overcast
8 /25/2009	ST7	09:30:00 AM	S. Harper, C. Andrew	7	0	49	Overcast
8 /25/2009	ST8	10:45:00 AM	S. Harper, C. Andrew	7	35	53	Mostly Clouds
8 /25/2009	ST1	11:44:00 AM	Douglas, Rothschild	18	18	53	Partial Clouds
8 /25/2009	ST9	12:00:00 PM	S. Harper, C. Andrew	19	10	57	Partial Clouds
8 /26/2009	ST7	10:55:00 AM	S. Harper, C. Andrew	6	40	55	Partial Clouds
8 /26/2009	ST6	11:13:00 AM	Douglas, Rothschild	7	36	50	Clear
8 /26/2009	ST8	12:15:00 PM	S. Harper, C. Andrew	10	40	56	Partial Clouds
8 /26/2009	ST1	12:44:00 PM	Douglas, Rothschild	5	24	52	Clear
8 /26/2009	ST9	01:25:00 PM	S. Harper, C. Andrew	11	40	59	Partial Clouds
8 /27/2009	ST8	09:35:00 AM	S. Harper, C. Andrew	13	20	50	Mostly Clouds
8 /27/2009	ST7	10:50:00 AM	S. Harper, C. Andrew	16	20	54	Mostly Clouds
8 /28/2009	ST7	09:35:00 AM	S. Harper, C. Andrew	10	0	50	Clear
8 /28/2009	ST1	11:20:00 AM	Roger Rothschild	21	350	56	Clear
9 /2 /2009	ST6	11:11:00 AM	Roger Rothschild	7	108	55	Overcast
9 /2 /2009	ST1	12:33:00 PM	Roger Rothschild	4	52	57	Partial Clouds
9 /3 /2009	ST7	09:35:00 AM	S. Harper, C. Andrew	9	20	50	Mostly Clouds

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
9 /3 /2009	ST8	10:55:00 AM	S. Harper, C. Andrew	11	50	56	Mostly Clouds
9 /3 /2009	ST6	11:11:00 AM	Roger Rothschild	17	34	54	Overcast
9 /3 /2009	ST9	12:10:00 PM	S. Harper, C. Andrew	8	10	56	Mostly Clouds
9 /3 /2009	ST1	12:30:00 PM	Roger Rothschild	4	56	57	Overcast
9 /4 /2009	ST7	09:45:00 AM	S. Harper, C. Andrew	6	0	60	Clear
9 /4 /2009	ST6	11:28:00 AM	Roger Rothschild	14	24	54	Clear
9 /4 /2009	ST1	12:55:00 PM	Roger Rothschild	12	15	63	Clear
9 /7 /2009	ST6	11:14:00 AM	Roger Rothschild	8	43	51	Overcast
9 /7 /2009	ST1	12:49:00 PM	Roger Rothschild	7	10	56	Overcast
9 /8 /2009	ST6	01:12:00 PM	Roger Rothschild	2	108	59	Mostly Clouds
9 /8 /2009	ST1	02:43:00 PM	Roger Rothschild	8	112	61	Overcast
9 /9 /2009	ST6	12:47:00 PM	Roger Rothschild	14	352	54	Overcast
9 /9 /2009	ST1	02:26:00 PM	Roger Rothschild	10	360	58	Overcast
9 /10/2009	ST6	11:07:00 AM	Roger Rothschild	5	360	50	Clear
9 /10/2009	ST1	12:32:00 PM	Roger Rothschild	5	360	60	Clear
9 /11/2009	ST7	09:35:00 AM	S. Harper, C. Andrew	5	340	47	Foggy
9 /13/2009	ST9	09:40:00 AM	S. Harper, C. Andrew	6	30	50	Overcast
9 /13/2009	ST8	10:55:00 AM	S. Harper, C. Andrew	7	30	51	Overcast
9 /13/2009	ST7	12:10:00 PM	S. Harper, C. Andrew	8	350	53	Overcast
9 /14/2009	ST9	09:40:00 AM	S. Harper, C. Andrew	5	40	52	Foggy
9 /14/2009	ST8	10:50:00 AM	S. Harper, C. Andrew	3	50	61	Partial Clouds
9 /14/2009	ST7	12:10:00 PM	S. Harper, C. Andrew	2	50	63	Partial Clouds
9 /14/2009	ST6	12:54:00 PM	Roger Rothschild	3	138	55	Clear
9 /14/2009	ST1	02:40:00 PM	Roger Rothschild	0	0	60	Clear
9 /15/2009	ST9	09:40:00 AM	S. Harper, C. Andrew	8	115	50	Overcast
9 /15/2009	ST6	10:21:00 AM	H. Douglas	2	0	61	Overcast
9 /15/2009	ST8	10:50:00 AM	S. Harper, C. Andrew	3	115	51	Overcast
9 /15/2009	ST1	11:50:00 AM	H. Douglas	4	45	54	Overcast

Table A-1. Physical observation data for the wildlife observations at Fowler Island (ST1 and ST6) and at Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ. Date	Location	Observation Time	Observer	Wind Speed (in mph)	Wind Direction (in degrees)	Temperature (in °F)	Cloud Cover
9 /15/2009	ST7	12:00:00 PM	S. Harper, C. Andrew	3	115	55	Overcast
9 /16/2009	ST6	11:21:00 AM	H. Douglas	13	354	53	Partial Clouds
9 /17/2009	ST7	09:30:00 AM	S. Harper, C. Andrew	8	20	47	Mostly Clouds
9 /17/2009	ST6	10:18:00 AM	H. Douglas	12	355	55	Partial Clouds
9 /17/2009	ST8	10:50:00 AM	S. Harper, C. Andrew	10	10	52	Mostly Clouds
9 /17/2009	ST1	11:58:00 AM	H. Douglas	10	350	52	Mostly Clouds
9 /17/2009	ST9	12:00:00 PM	S. Harper, C. Andrew	12	5	53	Mostly Clouds
9 /18/2009	ST7	10:00:00 AM	S. Harper, C. Andrew	5	100	52	Partial Clouds
9 /18/2009	ST8	11:15:00 AM	S. Harper, C. Andrew	6	120	63	Partial Clouds
9 /18/2009	ST6	11:27:00 AM	Roger Rothschild	3	142	57	Mostly Clouds
9 /18/2009	ST9	12:20:00 PM	S. Harper, C. Andrew	8	120	56	Mostly Clouds
9 /18/2009	ST1	12:52:00 PM	Roger Rothschild	2	138	60	Mostly Clouds
9 /20/2009	ST9	09:45:00 AM	Shawn Harper	18	0	46	Mostly Clouds
9 /20/2009	ST8	11:05:00 AM	Shawn Harper	16	10	49	Partial Clouds
9 /20/2009	ST7	12:40:00 PM	Shawn Harper	11	10	63	Partial Clouds
9 /22/2009	ST7	09:25:00 AM	S. Harper, C. Andrew	18	280	38	Partial Clouds
9 /22/2009	ST9	10:50:00 AM	S. Harper, C. Andrew	13	280	41	Partial Clouds
9 /22/2009	ST1	12:23:00 PM	Roger Rothschild	17	250	42	Mostly Clouds
9 /23/2009	ST7	09:00:00 AM	S. Harper, C. Andrew	11	300	36	Partial Clouds
9 /23/2009	ST8	10:10:00 AM	S. Harper, C. Andrew	7	320	38	Partial Clouds
9 /23/2009	ST9	11:20:00 AM	S. Harper, C. Andrew	5	320	49	Partial Clouds
9 /24/2009	ST7	09:15:00 AM	Carl Andrew	6	40	34	Mostly Clouds
9 /24/2009	ST8	10:30:00 AM	Carl Andrew	12	20	37	Partial Clouds
9 /24/2009	ST6	11:33:00 AM	Roger Rothschild	13	40	36	Clear
9 /24/2009	ST9	11:40:00 AM	Carl Andrew	13	0	40	Partial Clouds
9 /24/2009	ST1	12:46:00 PM	Roger Rothschild	10	20	42	Clear
9 /25/2009	ST1	11:17:00 AM	Roger Rothschild	10	298	38	Mostly Clouds
9 /29/2009	ST6	12:19:00 PM	Roger Rothschild	2	180	47	Overcast

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APPENDIX B

OBSERVATION DATA FOR ANIMALS SIGHTED AT FOWLER ISLAND AREA AND TUNTUTULIAK AREA VIEWING STATIONS ON THE KUSKOKWIM RIVER DURING 2009

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /20/2009	ST1	12:13:00 PM	Canada Goose	7	Traveling	Air	Near
5 /20/2009	ST1	12:13:00 PM	Passerine (unidentified)	2	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Sandhill Crane	2	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Northern Pintail	1	Traveling	Air	Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Northern Pintail	2	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Swan (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	4	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Sandhill Crane	2	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Greater White-fronted Goose	3	Traveling	Air	Near
5 /20/2009	ST1	12:13:00 PM	Arctic Tern	2	Traveling	Air	Near
5 /20/2009	ST1	12:13:00 PM	Tern (unidentified)	3	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	4	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Scaup (unidentified)	1	Traveling	Air	Distant
5 /20/2009	ST1	12:13:00 PM	Scaup (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Human	2	Traveling	Water	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Human	1	Traveling	Water	Far Distant
5 /20/2009	ST1	12:13:00 PM	Black Scoter	1	Traveling	Air	Near
5 /20/2009	ST1	12:13:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Canada Goose	36	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Mallard	1	Traveling	Air	Near
5 /20/2009	ST1	12:13:00 PM	Arctic Tern	2	Feeding	Water	Near
5 /20/2009	ST1	12:13:00 PM	Tern (unidentified)	8	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /20/2009	ST1	12:13:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Mew Gull	4	Resting	Sandbar	Far Distant
5 /20/2009	ST1	12:13:00 PM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Mew Gull	1	Traveling	Air	Distant
5 /20/2009	ST1	12:13:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Black Scoter	2	Traveling	Air	Distant
5 /20/2009	ST1	12:13:00 PM	Arctic Tern	5	Feeding	Water	Far Distant
5 /20/2009	ST1	12:13:00 PM	Duck (unidentified)	3	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Mew Gull	1	Traveling	Air	Near
5 /20/2009	ST1	12:13:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /20/2009	ST1	12:13:00 PM	Mew Gull	2	Traveling	Air	Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Northern Pintail	5	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Arctic Tern	1	Traveling	Air	Distant
5 /20/2009	ST1	12:13:00 PM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Northern Pintail	1	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Scaup (unidentified)	3	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Common Loon	1	Traveling	Air	Distant
5 /20/2009	ST1	12:13:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Black-bellied Plover	6	Traveling	Air	Far Distant
5 /20/2009	ST1	12:13:00 PM	Waterfowl (unidentified)	20	Traveling	Air	Very Far Distant
5 /20/2009	ST1	12:13:00 PM	Tern (unidentified)	3	Feeding	Water	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	2	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Mew Gull	2	Feeding	Water	Distant
5 /20/2009	ST6	10:33:00 AM	Mew Gull	1	Traveling	Air	Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Bald Eagle	1	Feeding	Water	Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
5 /20/2009	ST6	10:33:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /20/2009	ST6	10:33:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Northern Harrier	2	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Mew Gull	7	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Greater White-fronted Goose	1	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Human	3	Traveling	Water	Near
5 /20/2009	ST6	10:33:00 AM	Bar-tailed Godwit	3	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Redpoll (unidentified)	2	Resting	Air	Near
5 /20/2009	ST6	10:33:00 AM	Scaup (unidentified)	2	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	7	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Canada Goose	5	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	1	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Arctic Tern	2	Traveling	Air	Distant
5 /20/2009	ST6	10:33:00 AM	Wilson's (Common) Snipe	3	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Red-breasted Merganser	1	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Sandhill Crane	5	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Redpoll (unidentified)	3	Resting	Land	Near
5 /20/2009	ST6	10:33:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Least Sandpiper	1	Resting	Land	Near
5 /20/2009	ST6	10:33:00 AM	Red-necked Phalarope	2	Traveling	Air	Distant
5 /20/2009	ST6	10:33:00 AM	White-winged Scoter	1	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Northern Pintail	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	1	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Arctic Tern	2	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Mew Gull	1	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Scaup (unidentified)	2	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
5 /20/2009	ST6	10:33:00 AM	Mew Gull	1	Traveling	Air	Near
5 /20/2009	ST6	10:33:00 AM	Shorebird (unidentified)	7	Traveling	Air	Far Distant
5 /20/2009	ST6	10:33:00 AM	Bar-tailed Godwit	2	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Long-tailed Duck	1	Resting	Water	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Loon (unidentified)	1	Feeding	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	1	Resting	Water	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Mew Gull	1	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	2	Feeding	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Red-throated Loon	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Black Scoter	1	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Goose (unidentified)	30	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Mew Gull	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Mallard	2	Traveling	Air	Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	2	Feeding	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Northern Shoveler	1	Traveling	Air	Distant
5 /21/2009	ST1	11:52:00 AM	Least Sandpiper	2	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	4	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /21/2009	ST1	11:52:00 AM	Beaver	1	Traveling	Water	Near
5 /21/2009	ST1	11:52:00 AM	Merganser (unidentified)	5	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /21/2009	ST1	11:52:00 AM	Common Merganser	7	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Northern Shoveler	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	4	Feeding	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Northern Pintail	1	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Northern Pintail	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Sandhill Crane	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Mew Gull	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Black Scoter	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Scoter (unidentified)	8	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	6	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	1	Feeding	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Sandhill Crane	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Parasitic Jaeger	1	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Glaucous Gull	2	Resting	Sandbar	Far Distant
5 /21/2009	ST1	11:52:00 AM	Human	6	Traveling	Water	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Northern Shoveler	2	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Tern (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Northern Pintail	4	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Mew Gull	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Black Scoter	4	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Common Raven	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Plover (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	9	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	4	Resting	Water	Far Distant
5 /21/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	2	Resting	Sandbar	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST1	11:52:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Merganser (unidentified)	2	Traveling	Air	Near
5 /21/2009	ST1	11:52:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Black Scoter	7	Traveling	Air	Very Far Distant
5 /21/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Greater White-fronted Goose	6	Traveling	Air	Distant
5 /21/2009	ST6	10:26:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Scaup (unidentified)	2	Resting	Water	Far Distant
5 /21/2009	ST6	10:26:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Parasitic Jaeger	5	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Waterfowl (unidentified)	6	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Swan (unidentified)	8	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Shorebird (unidentified)	4	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Waterfowl (unidentified)	20	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Glaucous Gull	4	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Long-tailed Duck	11	Resting	Water	Far Distant
5 /21/2009	ST6	10:26:00 AM	Arctic Tern	1	Feeding	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /21/2009	ST6	10:26:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Long-tailed Duck	32	Resting	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Common Merganser	2	Traveling	Air	Distant
5 /21/2009	ST6	10:26:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Pacific Loon	2	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Bar-tailed Godwit	1	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Bar-tailed Godwit	1	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Parasitic Jaeger	3	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	White-winged Scoter	4	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Northern Shoveler	3	Traveling	Air	Distant
5 /21/2009	ST6	10:26:00 AM	Redpoll (unidentified)	2	Traveling	Air	Distant
5 /21/2009	ST6	10:26:00 AM	Redpoll (unidentified)	3	Traveling	Air	Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	24	Resting	Water	Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	2	Traveling	Air	Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	11	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Greater White-fronted Goose	4	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Plover (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	24	Resting	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	39	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	White-winged Scoter	3	Resting	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Tern (unidentified)	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	11	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Dowitcher (unidentified)	2	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	10	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Canada Goose	8	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	40	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /21/2009	ST6	10:26:00 AM	Redpoll (unidentified)	6	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	8	Resting	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Merganser (unidentified)	4	Traveling	Air	Far Distant
5 /21/2009	ST6	10:26:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Canada Goose	105	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Waterfowl (unidentified)	30	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Scaup (unidentified)	1	Resting	Water	Far Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	13	Resting	Water	Far Distant
5 /21/2009	ST6	10:26:00 AM	Scaup (unidentified)	2	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Canada Goose	12	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	8	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Black Scoter	14	Resting	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Shoveler (unidentified)	2	Traveling	Air	Near
5 /21/2009	ST6	10:26:00 AM	Waterfowl (unidentified)	17	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Arctic Loon	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Swan (unidentified)	2	Resting	Water	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Scaup (unidentified)	4	Traveling	Air	Distant
5 /21/2009	ST6	10:26:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
5 /21/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Human	5	Traveling	Water	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Sparrow (unidentified)	2	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Tern (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Savannah Sparrow	1	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Scoter (unidentified)	9	Resting	Water	Far Distant
5 /22/2009	ST1	11:52:00 AM	Mew Gull	3	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Scaup (unidentified)	4	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Shorebird (unidentified)	4	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Sparrow (unidentified)	4	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /22/2009	ST1	11:52:00 AM	Black Scoter	5	Traveling	Air	Distant
5 /22/2009	ST1	11:52:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Northern Shoveler	1	Resting	Water	Distant
5 /22/2009	ST1	11:52:00 AM	Scoter (unidentified)	5	Traveling	Air	Distant
5 /22/2009	ST1	11:52:00 AM	Black Scoter	2	Resting	Water	Distant
5 /22/2009	ST1	11:52:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Scoter (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Harlequin Duck	1	Resting	Water	Far Distant
5 /22/2009	ST1	11:52:00 AM	White-winged Scoter	7	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Black Scoter	10	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Tern (unidentified)	8	Traveling	Air	Distant
5 /22/2009	ST1	11:52:00 AM	Harlequin Duck	4	Resting	Water	Distant
5 /22/2009	ST1	11:52:00 AM	Human	2	Traveling	Water	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Shoveler (unidentified)	4	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Scoter (unidentified)	6	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Greater Scaup	1	Resting	Water	Far Distant
5 /22/2009	ST1	11:52:00 AM	White-winged Scoter	12	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Human	2	Subsist	Water	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Black Scoter	2	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Northern Shoveler	3	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Black Scoter	1	Resting	Water	Far Distant
5 /22/2009	ST1	11:52:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Long-tailed Duck	1	Resting	Water	Distant
5 /22/2009	ST1	11:52:00 AM	Harlequin Duck	2	Resting	Water	Far Distant
5 /22/2009	ST1	11:52:00 AM	Greater Scaup	6	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Mew Gull	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Mew Gull	6	Resting	Sandbar	Far Distant
5 /22/2009	ST1	11:52:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Tern (unidentified)	1	Resting	Sandbar	Far Distant
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	9	Resting	Water	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Common Merganser	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Swan (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Scoter (unidentified)	25	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	6	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Arctic Tern	2	Traveling	Air	Distant
5 /22/2009	ST1	11:52:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Tern (unidentified)	3	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Redpoll (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Brant	5	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Green-winged Teal	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Waterfowl (unidentified)	130	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Black Scoter	2	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Black Scoter	4	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Brant	65	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Scoter (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Waterfowl (unidentified)	11	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Shoveler (unidentified)	1	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Greater Scaup	2	Traveling	Air	Distant
5 /22/2009	ST1	11:52:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Canada Goose	4	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Northern Pintail	3	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Mew Gull	1	Traveling	Air	Near
5 /22/2009	ST1	11:52:00 AM	Common Raven	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Human	2	Traveling	Water	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Black Scoter	2	Traveling	Air	Distant
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Waterfowl (unidentified)	70	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /22/2009	ST1	11:52:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Common Raven	1	Traveling	Air	Distant
5 /22/2009	ST1	11:52:00 AM	Bar-tailed Godwit	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /22/2009	ST1	11:52:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
5 /22/2009	ST1	11:52:00 AM	Canada Goose	2	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Human	2	Traveling	Water	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	11	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	6	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	2	Resting	Water	Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	1	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Swan (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Northern Shoveler	2	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Tern (unidentified)	2	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	6	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	2	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	4	Resting	Water	Far Distant
5 /22/2009	ST6	10:26:00 AM	Glaucous Gull	3	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	46	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Swan (unidentified)	3	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Northern Pintail	4	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	3	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /22/2009	ST6	10:26:00 AM	Black Scoter	7	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	40	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	2	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Northern Pintail	2	Resting	Water	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Surf Scoter	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Shorebird (unidentified)	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Peregrine Falcon	1	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	8	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Short-eared Owl	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	2	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Long-tailed Duck	1	Resting	Water	Far Distant
5 /22/2009	ST6	10:26:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Greater White-fronted Goose	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	3	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	2	Resting	Water	Far Distant
5 /22/2009	ST6	10:26:00 AM	Northern Shoveler	2	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	1	Resting	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /22/2009	ST6	10:26:00 AM	Glaucous Gull	21	Resting	Sandbar	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Tern (unidentified)	1	Resting	Sandbar	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Gull (unidentified)	18	Resting	Sandbar	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Northern Pintail	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Surf Scoter	1	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Northern Shoveler	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	14	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Arctic Tern	3	Feeding	Water	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Merganser (unidentified)	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Waterfowl (unidentified)	6	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	14	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Greater Scaup	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Black Scoter	22	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	White-winged Scoter	1	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Waterfowl (unidentified)	12	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Black Scoter	7	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	30	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	2	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	White-winged Scoter	3	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	1	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Swan (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	2	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Northern Pintail	2	Traveling	Air	Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	White-winged Scoter	2	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	1	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	6	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	4	Resting	Water	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Resting	Water	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Scaup (unidentified)	8	Resting	Water	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	7	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scoter (unidentified)	2	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	7	Traveling	Air	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	6	Resting	Water	Very Far Distant
5 /22/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Sandhill Crane	2	Traveling	Air	Far Distant
5 /22/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Near
5 /22/2009	ST6	10:26:00 AM	Scaup (unidentified)	1	Resting	Water	Far Distant
5 /22/2009	ST6	10:26:00 AM	Duck (unidentified)	9	Resting	Water	Far Distant
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Tern (unidentified)	12	Feeding	Water	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Tern (unidentified)	9	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Tern (unidentified)	1	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Greater Scaup	6	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /26/2009	ST1	11:51:00 AM	Duck (unidentified)	3	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Black Scoter	9	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Tree Swallow	1	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Mew Gull	3	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Human	2	Traveling	Water	Near
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	12	Feeding	Water	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	50	Feeding	Water	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Scaup (unidentified)	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Northern Pintail	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Duck (unidentified)	6	Resting	Water	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Glaucous Gull	2	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Mew Gull	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Merganser (unidentified)	2	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Tern (unidentified)	1	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Bald Eagle	1	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Arctic Tern	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	1	Resting	Sandbar	Distant
5 /26/2009	ST1	11:51:00 AM	Human	6	Traveling	Water	Near
5 /26/2009	ST1	11:51:00 AM	Glaucous Gull	4	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Glaucous Gull	3	Resting	Sandbar	Far Distant
5 /26/2009	ST1	11:51:00 AM	Glaucous Gull	1	Resting	Sandbar	Distant
5 /26/2009	ST1	11:51:00 AM	Tern (unidentified)	8	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Tern (unidentified)	9	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Mew Gull	3	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	3	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Short-eared Owl	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Passerine (unidentified)	1	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Tundra Swan	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /26/2009	ST1	11:51:00 AM	Mew Gull	1	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	20	Feeding	Water	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Goose (unidentified)	29	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Black Scoter	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Arctic Tern	4	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Shorebird (unidentified)	6	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Duck (unidentified)	2	Resting	Water	Far Distant
5 /26/2009	ST1	11:51:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Parasitic Jaeger	3	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Arctic Tern	2	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Gull (unidentified)	6	Resting	Sandbar	Far Distant
5 /26/2009	ST1	11:51:00 AM	Northern Pintail	1	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Scoter (unidentified)	12	Resting	Water	Far Distant
5 /26/2009	ST1	11:51:00 AM	Shoveler (unidentified)	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Sandhill Crane	1	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Jaeger (unidentified)	4	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Black Scoter	1	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Passerine (unidentified)	4	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
5 /26/2009	ST1	11:51:00 AM	Tern (unidentified)	10	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Passerine (unidentified)	1	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
5 /26/2009	ST1	11:51:00 AM	Pacific Loon	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Black Scoter	1	Traveling	Air	Distant
5 /26/2009	ST1	11:51:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /26/2009	ST1	11:51:00 AM	Merganser (unidentified)	4	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /26/2009	ST1	11:51:00 AM	Shorebird (unidentified)	4	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Shorebird (unidentified)	2	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Parasitic Jaeger	4	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Arctic Tern	5	Feeding	Water	Far Distant
5 /26/2009	ST6	10:16:00 AM	Scoter (unidentified)	6	Traveling	Air	Far Distant
5 /26/2009	ST6	10:16:00 AM	Mew Gull	1	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Scaup (unidentified)	2	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Tern (unidentified)	2	Traveling	Air	Far Distant
5 /26/2009	ST6	10:16:00 AM	Northern Pintail	2	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Greater Scaup	1	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Black Scoter	12	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Arctic Tern	2	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Brant	17	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Mew Gull	6	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Glaucous Gull	1	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Gull (unidentified)	51	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Short-eared Owl	1	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
5 /26/2009	ST6	10:16:00 AM	Glaucous Gull	2	Resting	Sandbar	Far Distant
5 /26/2009	ST6	10:16:00 AM	Mew Gull	4	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Curlew (unidentified)	2	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Greater Scaup	1	Resting	Land	Distant
5 /26/2009	ST6	10:16:00 AM	Shorebird (unidentified)	4	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Gull (unidentified)	7	Resting	Land	Far Distant
5 /26/2009	ST6	10:16:00 AM	Glaucous Gull	8	Resting	Sandbar	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Gull (unidentified)	33	Feeding	Water	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Tern (unidentified)	10	Feeding	Water	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Mew Gull	20	Resting	Sandbar	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Shorebird (unidentified)	7	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Pacific Loon	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /26/2009	ST6	10:16:00 AM	Gull (unidentified)	22	Feeding	Water	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Bald Eagle	1	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Scaup (unidentified)	1	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Scoter (unidentified)	4	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
5 /26/2009	ST6	10:16:00 AM	Parasitic Jaeger	3	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	1	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Sandhill Crane	6	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Waterfowl (unidentified)	4	Resting	Water	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Greater White-fronted Goose	1	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	2	Resting	Water	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Redpoll (unidentified)	1	Feeding	Land	Near
5 /26/2009	ST6	10:16:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Pacific Loon	1	Resting	Water	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Distant
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	White-winged Scoter	1	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Shoveler (unidentified)	7	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Duck (unidentified)	4	Traveling	Air	Distant
5 /26/2009	ST6	10:16:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Glaucous Gull	1	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Tundra Swan	3	Traveling	Air	Very Far Distant
5 /26/2009	ST6	10:16:00 AM	Tundra Swan	2	Traveling	Air	Far Distant
5 /26/2009	ST6	10:16:00 AM	Mew Gull	1	Traveling	Air	Near
5 /26/2009	ST6	10:16:00 AM	Parasitic Jaeger	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /26/2009	ST6	10:16:00 AM	Black Scoter	7	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	2	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	2	Resting	Sandbar	Distant
5 /27/2009	ST1	11:58:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Arctic Tern	2	Feeding	Water	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	4	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	American Tree Sparrow	3	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Northern Pintail	5	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Arctic Tern	1	Feeding	Water	Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	2	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Northern Shoveler	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Arctic Tern	6	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	3	Resting	Sandbar	Distant
5 /27/2009	ST1	11:58:00 AM	Human	2	Traveling	Water	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Black Scoter	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Mew Gull	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	1	Resting	Sandbar	Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	4	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Mew Gull	1	Resting	Sandbar	Distant
5 /27/2009	ST1	11:58:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Mew Gull	2	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Tern (unidentified)	1	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Bald Eagle	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Arctic Tern	2	Resting	Sandbar	Distant
5 /27/2009	ST1	11:58:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /27/2009	ST1	11:58:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Swan (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Northern Pintail	2	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Northern Pintail	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Arctic Tern	7	Resting	Sandbar	Distant
5 /27/2009	ST1	11:58:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Mallard	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Mew Gull	2	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Human	2	Traveling	Water	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Mew Gull	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Human	8	Traveling	Water	Near
5 /27/2009	ST1	11:58:00 AM	Long-tailed Jaeger	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Mew Gull	2	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Black Scoter	3	Resting	Water	Far Distant
5 /27/2009	ST1	11:58:00 AM	Plover (unidentified)	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Northern Pintail	2	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Feeding	Water	Distant
5 /27/2009	ST1	11:58:00 AM	Mew Gull	4	Resting	Land	Distant
5 /27/2009	ST1	11:58:00 AM	Mew Gull	3	Resting	Land	Distant
5 /27/2009	ST1	11:58:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Mew Gull	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Human	4	Traveling	Water	Near
5 /27/2009	ST1	11:58:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Human	1	Traveling	Water	Far Distant
5 /27/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
5 /27/2009	ST1	11:58:00 AM	Black Scoter	20	Traveling	Air	Far Distant
5 /27/2009	ST1	11:58:00 AM	Human	2	Traveling	Water	Near
5 /27/2009	ST1	11:58:00 AM	Gull (unidentified)	5	Resting	Land	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /27/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
5 /27/2009	ST1	11:58:00 AM	Gull (unidentified)	40	Feeding	Water	Very Far Distant
5 /27/2009	ST1	11:58:00 AM	Arctic Tern	1	Resting	Sandbar	Distant
5 /27/2009	ST6	10:22:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Northern Pintail	1	Traveling	Air	Near
5 /27/2009	ST6	10:22:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Gull (unidentified)	30	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Mew Gull	19	Resting	Sandbar	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Sandpiper (unidentified)	7	Traveling	Air	Near
5 /27/2009	ST6	10:22:00 AM	Semipalmated Plover	1	Traveling	Air	Near
5 /27/2009	ST6	10:22:00 AM	Common Raven	1	Resting	Sandbar	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Red-breasted Merganser	2	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Glaucous Gull	21	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Mew Gull	6	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Tern (unidentified)	7	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Redpoll (unidentified)	1	Traveling	Air	Distant
5 /27/2009	ST6	10:22:00 AM	Tern (unidentified)	14	Feeding	Water	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Arctic Tern	3	Feeding	Water	Near
5 /27/2009	ST6	10:22:00 AM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Surf Scoter	1	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Black Scoter	7	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
5 /27/2009	ST6	10:22:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
5 /27/2009	ST6	10:22:00 AM	Shorebird (unidentified)	1	Resting	Sandbar	Far Distant
5 /27/2009	ST6	10:22:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /27/2009	ST6	10:22:00 AM	Swan (unidentified)	1	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Mew Gull	1	Traveling	Air	Near
5 /27/2009	ST6	10:22:00 AM	Scoter (unidentified)	1	Resting	Water	Distant
5 /27/2009	ST6	10:22:00 AM	Redpoll (unidentified)	4	Traveling	Air	Distant
5 /27/2009	ST6	10:22:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
5 /27/2009	ST6	10:22:00 AM	White-winged Scoter	1	Feeding	Water	Near
5 /27/2009	ST6	10:22:00 AM	Swan (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Shorebird (unidentified)	6	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Whimbrel	2	Traveling	Air	Distant
5 /27/2009	ST6	10:22:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Northern Pintail	2	Traveling	Air	Distant
5 /27/2009	ST6	10:22:00 AM	Shorebird (unidentified)	2	Resting	Sandbar	Far Distant
5 /27/2009	ST6	10:22:00 AM	Bar-tailed Godwit	1	Feeding	Sandbar	Far Distant
5 /27/2009	ST6	10:22:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
5 /27/2009	ST6	10:22:00 AM	Long-tailed Duck	1	Traveling	Air	Near
5 /27/2009	ST6	10:22:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Shorebird (unidentified)	4	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /27/2009	ST6	10:22:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
5 /27/2009	ST6	10:22:00 AM	Black-bellied Plover	2	Feeding	Sandbar	Far Distant
5 /28/2009	ST1	11:58:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Arctic Tern	1	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Mew Gull	2	Traveling	Air	Near
5 /28/2009	ST1	11:58:00 AM	Bald Eagle	1	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	1	Resting	Water	Distant
5 /28/2009	ST1	11:58:00 AM	Northern Pintail	1	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Human	5	Traveling	Water	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Tern (unidentified)	21	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	3	Resting	Sandbar	Far Distant
5 /28/2009	ST1	11:58:00 AM	Arctic Tern	1	Resting	Sandbar	Far Distant
5 /28/2009	ST1	11:58:00 AM	Gull (unidentified)	23	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	3	Feeding	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	6	Resting	Sandbar	Distant
5 /28/2009	ST1	11:58:00 AM	Arctic Tern	7	Feeding	Water	Near
5 /28/2009	ST1	11:58:00 AM	Arctic Tern	3	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Northern Shoveler	1	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Scaup (unidentified)	1	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Tundra Swan	1	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	3	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Least Sandpiper	4	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Mew Gull	1	Resting	Land	Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	4	Feeding	Land	Distant
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	2	Feeding	Land	Distant
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
5 /28/2009	ST1	11:58:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Human	1	Traveling	Water	Near
5 /28/2009	ST1	11:58:00 AM	Black-bellied Plover	1	Resting	Sandbar	Far Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /28/2009	ST1	11:58:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Arctic Tern	1	Resting	Water	Distant
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
5 /28/2009	ST1	11:58:00 AM	Duck (unidentified)	2	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Scaup (unidentified)	1	Traveling	Air	Distant
5 /28/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Near
5 /28/2009	ST1	11:58:00 AM	Duck (unidentified)	2	Resting	Sandbar	Far Distant
5 /28/2009	ST1	11:58:00 AM	Plover (unidentified)	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /28/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Resting	Water	Far Distant
5 /28/2009	ST1	11:58:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /28/2009	ST1	11:58:00 AM	Least Sandpiper	3	Traveling	Air	Near
5 /28/2009	ST1	11:58:00 AM	Northern Pintail	2	Traveling	Air	Distant
5 /28/2009	ST6	10:11:00 AM	Black Scoter	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Black Scoter	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Varied Thrush	2	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
5 /28/2009	ST6	10:11:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Plover (unidentified)	1	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Scaup (unidentified)	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Black-bellied Plover	4	Resting	Sandbar	Far Distant
5 /28/2009	ST6	10:11:00 AM	Scaup (unidentified)	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Scaup (unidentified)	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Mew Gull	1	Traveling	Air	Distant
5 /28/2009	ST6	10:11:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	White-winged Scoter	3	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Tern (unidentified)	8	Feeding	Water	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Mew Gull	2	Resting	Land	Distant
5 /28/2009	ST6	10:11:00 AM	Gull (unidentified)	18	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Scaup (unidentified)	2	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Arctic Tern	2	Traveling	Air	Distant
5 /28/2009	ST6	10:11:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Green-winged Teal	5	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Mew Gull	1	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Mallard	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Mew Gull	6	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Mew Gull	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Mew Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /28/2009	ST6	10:11:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /28/2009	ST6	10:11:00 AM	Tern (unidentified)	4	Feeding	Water	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Red-throated Loon	1	Resting	Water	Far Distant
5 /28/2009	ST6	10:11:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Jaeger (unidentified)	1	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Mew Gull	1	Resting	Sandbar	Far Distant
5 /28/2009	ST6	10:11:00 AM	Redpoll (unidentified)	1	Traveling	Air	Distant
5 /28/2009	ST6	10:11:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Gull (unidentified)	15	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Tern (unidentified)	20	Feeding	Water	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Northern Shoveler	1	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Arctic Tern	6	Feeding	Water	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Greater White-fronted Goose	3	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Mew Gull	5	Feeding	Land	Distant
5 /28/2009	ST6	10:11:00 AM	White-winged Scoter	1	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Black Scoter	2	Traveling	Air	Distant
5 /28/2009	ST6	10:11:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Black Scoter	2	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Mew Gull	2	Traveling	Air	Near
5 /28/2009	ST6	10:11:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
5 /28/2009	ST6	10:11:00 AM	Gull (unidentified)	30	Traveling	Air	Very Far Distant
5 /28/2009	ST6	10:11:00 AM	Tree Swallow	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Loon (unidentified)	1	Feeding	Water	Far Distant
5 /29/2009	ST1	11:44:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Black Scoter	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Black Scoter	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /29/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Feeding	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Black Scoter	2	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	1	Feeding	Water	Far Distant
5 /29/2009	ST1	11:44:00 AM	Bald Eagle	1	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Human	3	Traveling	Water	Distant
5 /29/2009	ST1	11:44:00 AM	Human	2	Traveling	Water	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	3	Resting	Sandbar	Distant
5 /29/2009	ST1	11:44:00 AM	Plover (unidentified)	1	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Mew Gull	2	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Mew Gull	3	Resting	Land	Distant
5 /29/2009	ST1	11:44:00 AM	Scoter (unidentified)	6	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Common Raven	1	Resting	Land	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Black-bellied Plover	1	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Greater White-fronted Goose	8	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	2	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Mew Gull	2	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	11	Feeding	Water	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Long-tailed Duck	28	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Harlequin Duck	6	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Scaup (unidentified)	1	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	White-winged Scoter	15	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Gull (unidentified)	4	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	4	Feeding	Water	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Mew Gull	19	Resting	Sandbar	Distant
5 /29/2009	ST1	11:44:00 AM	Savannah Sparrow	2	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Northern Shoveler	2	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	10	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Human	3	Subsist	Water	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Black Scoter	11	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	2	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Glaucous Gull	2	Resting	Water	Distant
5 /29/2009	ST1	11:44:00 AM	Savannah Sparrow	3	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	40	Feeding	Water	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Glaucous Gull	4	Resting	Sandbar	Distant
5 /29/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Black-bellied Plover	1	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Mew Gull	4	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
5 /29/2009	ST1	11:44:00 AM	Gull (unidentified)	12	Resting	Land	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	6	Traveling	Air	Near
5 /29/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
5 /29/2009	ST1	11:44:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
5 /29/2009	ST1	11:44:00 AM	Mew Gull	16	Resting	Sandbar	Far Distant
5 /29/2009	ST1	11:44:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Waterfowl (unidentified)	6	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
5 /29/2009	ST6	10:14:00 AM	Arctic Tern	3	Feeding	Water	Far Distant
5 /29/2009	ST6	10:14:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Mew Gull	1	Traveling	Air	Far Distant
5 /29/2009	ST6	10:14:00 AM	Mew Gull	8	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /29/2009	ST6	10:14:00 AM	Mew Gull	1	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	Parasitic Jaeger	1	Feeding	Air	Near
5 /29/2009	ST6	10:14:00 AM	Parasitic Jaeger	1	Resting	Water	Far Distant
5 /29/2009	ST6	10:14:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
5 /29/2009	ST6	10:14:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Harlequin Duck	1	Resting	Water	Near
5 /29/2009	ST6	10:14:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
5 /29/2009	ST6	10:14:00 AM	White-winged Scoter	29	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Northern Pintail	1	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	Glaucous Gull	1	Traveling	Air	Distant
5 /29/2009	ST6	10:14:00 AM	Arctic Tern	3	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	Scoter (unidentified)	1	Traveling	Air	Distant
5 /29/2009	ST6	10:14:00 AM	Arctic Tern	1	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
5 /29/2009	ST6	10:14:00 AM	Mew Gull	3	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Mew Gull	11	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	American Wigeon	2	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Parasitic Jaeger	1	Resting	Water	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Gull (unidentified)	12	Resting	Sandbar	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Tern (unidentified)	36	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Scoter (unidentified)	25	Traveling	Air	Distant
5 /29/2009	ST6	10:14:00 AM	Black Scoter	2	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
5 /29/2009	ST6	10:14:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Tern (unidentified)	35	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Mew Gull	3	Traveling	Air	Distant
5 /29/2009	ST6	10:14:00 AM	Mew Gull	6	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
5 /29/2009	ST6	10:14:00 AM	Waterfowl (unidentified)	28	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Tern (unidentified)	1	Traveling	Air	Far Distant
5 /29/2009	ST6	10:14:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	Mew Gull	3	Traveling	Air	Near
5 /29/2009	ST6	10:14:00 AM	White-winged Scoter	1	Resting	Water	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Scoter (unidentified)	10	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Brant	70	Traveling	Air	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Gull (unidentified)	8	Resting	Sandbar	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
5 /29/2009	ST6	10:14:00 AM	Black Scoter	17	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	1	Resting	Water	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	12	Resting	Land	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Arctic Tern	3	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Bald Eagle	1	Resting	Land	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Glaucous Gull	5	Resting	Sandbar	Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	8	Resting	Sandbar	Distant
6 /1 /2009	ST1	12:08:00 PM	Swallow (unidentified)	1	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Human	4	Subsist	Water	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	14	Resting	Sandbar	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Arctic Tern	8	Feeding	Water	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	American Tree Sparrow	1	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	2	Resting	Water	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Glaucous Gull	1	Resting	Water	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Gull (unidentified)	8	Resting	Sandbar	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	1	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Pacific Loon	1	Resting	Water	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	1	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Red-breasted Merganser	1	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Red-necked Grebe	1	Resting	Water	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Glaucous Gull	5	Resting	Water	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Human	4	Traveling	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /1 /2009	ST1	12:08:00 PM	Arctic Tern	2	Feeding	Water	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Arctic Tern	4	Feeding	Water	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	3	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Gull (unidentified)	10	Resting	Sandbar	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	2	Resting	Sandbar	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Northern Pintail	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Waterfowl (unidentified)	4	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	14	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Duck (unidentified)	1	Traveling	Air	Distant
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	3	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Long-tailed Jaeger	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Common Raven	1	Resting	Land	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Greater Scaup	2	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Human	3	Traveling	Water	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Sandhill Crane	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Northern Pintail	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Northern Pintail	1	Traveling	Air	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Mew Gull	14	Resting	Water	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Human	3	Traveling	Water	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Arctic Tern	2	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Black Scoter	1	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Parasitic Jaeger	1	Resting	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /1 /2009	ST1	12:08:00 PM	Pacific Loon	1	Feeding	Water	Far Distant
6 /1 /2009	ST1	12:08:00 PM	Black Scoter	2	Traveling	Air	Distant
6 /1 /2009	ST1	12:08:00 PM	American Wigeon	6	Traveling	Air	Distant
6 /1 /2009	ST1	12:08:00 PM	Long-tailed Duck	1	Traveling	Air	Distant
6 /1 /2009	ST1	12:08:00 PM	Common Raven	1	Resting	Land	Very Far Distant
6 /1 /2009	ST1	12:08:00 PM	Greater White-fronted Goose	1	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Scoter (unidentified)	1	Traveling	Air	Near
6 /1 /2009	ST1	12:08:00 PM	Greater White-fronted Goose	2	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /1 /2009	ST6	10:34:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Duck (unidentified)	11	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Resting	Water	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Gull (unidentified)	17	Resting	Land	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	White-winged Scoter	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	White-winged Scoter	1	Resting	Water	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Black Scoter	3	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	6	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	6	Feeding	Water	Near
6 /1 /2009	ST6	10:34:00 AM	Common Raven	1	Resting	Land	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Northern Pintail	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Resting	Water	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Common Raven	1	Feeding	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Black Scoter	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Sabine's Gull	2	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Black Scoter	5	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	White-winged Scoter	4	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /1 /2009	ST6	10:34:00 AM	Canada Goose	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	1	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Common Loon	3	Resting	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Common Loon	1	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	1	Resting	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	1	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /1 /2009	ST6	10:34:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /1 /2009	ST6	10:34:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	1	Resting	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Arctic Tern	2	Feeding	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	3	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	2	Resting	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	1	Resting	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Feeding	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Black Scoter	3	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Pacific Loon	2	Traveling	Air	Distant
6 /1 /2009	ST6	10:34:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	White-winged Scoter	5	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Northern Pintail	1	Resting	Water	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Pacific Loon	1	Resting	Water	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	2	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Greater White-fronted Goose	3	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	2	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Scoter (unidentified)	7	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	3	Traveling	Air	Distant
6 /1 /2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Black Scoter	10	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Black Scoter	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Common Loon	1	Resting	Water	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Swallow (unidentified)	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /1 /2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /1 /2009	ST6	10:34:00 AM	Mew Gull	3	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Glaucous Gull	4	Resting	Water	Very Far Distant
6 /1 /2009	ST6	10:34:00 AM	Black Scoter	4	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Long-tailed Duck	2	Resting	Water	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Black Scoter	11	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	2	Resting	Land	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	3	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Sandhill Crane	4	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Duck (unidentified)	12	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Northern Pintail	2	Traveling	Air	Distant
6 /2 /2009	ST6	10:12:00 AM	Greater White-fronted Goose	1	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /2 /2009	ST6	10:12:00 AM	White-winged Scoter	2	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	2	Traveling	Air	Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	3	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Rusty Blackbird	1	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Black Scoter	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Sandhill Crane	3	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	1	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Sandhill Crane	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Scoter (unidentified)	6	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Swallow (unidentified)	1	Traveling	Air	Distant
6 /2 /2009	ST6	10:12:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Merganser (unidentified)	1	Traveling	Air	Distant
6 /2 /2009	ST6	10:12:00 AM	Black Scoter	2	Traveling	Air	Distant
6 /2 /2009	ST6	10:12:00 AM	Greater Scaup	2	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	1	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Sandhill Crane	3	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Swallow (unidentified)	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Duck (unidentified)	4	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Gull (unidentified)	18	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Northern Pintail	1	Traveling	▯ ☼ ▯	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /2 /2009	ST6	10:12:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Human	6	Subsist	Water	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Arctic Tern	4	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Northern Shoveler	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	5	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Black Scoter	1	Resting	Water	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	3	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Wigeon (unidentified)	1	Resting	Water	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Arctic Tern	7	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Mew Gull	1	Traveling	Air	Near
6 /2 /2009	ST6	10:12:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /2 /2009	ST6	10:12:00 AM	Redpoll (unidentified)	1	Traveling	Air	Distant
6 /2 /2009	ST6	10:12:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	3	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
6 /2 /2009	ST6	10:12:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Sandhill Crane	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /2 /2009	ST6	10:12:00 AM	White-winged Scoter	1	Traveling	Air	Very Far Distant
6 /3 /2009	ST7	01:00:00 PM	Northern Shoveler	1	Traveling	Air	Near
6 /3 /2009	ST7	01:00:00 PM	Northern Pintail	2	Resting	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /3 /2009	ST7	01:00:00 PM	Parasitic Jaeger	1	Resting	Water	Distant
6 /3 /2009	ST7	01:00:00 PM	Greater White-fronted Goose	3	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Gull (unidentified)	8	Resting	Land	Very Far Distant
6 /3 /2009	ST7	01:00:00 PM	Shorebird (unidentified)	1	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Far Distant
6 /3 /2009	ST7	01:00:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /3 /2009	ST7	01:00:00 PM	Glaucous Gull	1	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /3 /2009	ST7	01:00:00 PM	Mew Gull	20	Traveling	Air	Near
6 /3 /2009	ST7	01:00:00 PM	Gull (unidentified)	1	Resting	Water	Distant
6 /3 /2009	ST7	01:00:00 PM	Bird (unidentified)	2	Resting	Water	Very Far Distant
6 /3 /2009	ST7	01:00:00 PM	Parasitic Jaeger	5	Traveling	Air	Far Distant
6 /3 /2009	ST7	01:00:00 PM	Parasitic Jaeger	2	Feeding	Air	Near
6 /3 /2009	ST7	01:00:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Long-tailed Jaeger	1	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Greater Scaup	2	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /3 /2009	ST7	01:00:00 PM	Dowitcher (unidentified)	1	Resting	Land	Distant
6 /3 /2009	ST7	01:00:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /3 /2009	ST7	01:00:00 PM	Mew Gull	2	Resting	Water	Distant
6 /3 /2009	ST7	01:00:00 PM	Black Scoter	5	Resting	Water	Far Distant
6 /3 /2009	ST7	01:00:00 PM	Bank Swallow	1	Traveling	Air	Near
6 /3 /2009	ST7	01:00:00 PM	Gull (unidentified)	6	Resting	Land	Far Distant
6 /3 /2009	ST7	01:00:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Northern Shoveler	3	Traveling	Air	Near
6 /3 /2009	ST7	01:00:00 PM	Lapland Longspur	1	Traveling	Air	Near
6 /3 /2009	ST7	01:00:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Distant
6 /3 /2009	ST7	01:00:00 PM	Northern Pintail	3	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Least Sandpiper	1	Resting	Land	Near
6 /3 /2009	ST8	11:30:00 AM	Red-necked Phalarope	2	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /3 /2009	ST8	11:30:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
6 /3 /2009	ST8	11:30:00 AM	Mew Gull	3	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Mew Gull	1	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /3 /2009	ST8	11:30:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Duck (unidentified)	1	Resting	Water	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Pacific Loon	2	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Northern Pintail	3	Resting	Water	Near
6 /3 /2009	ST8	11:30:00 AM	Savannah Sparrow	2	Resting	Land	Near
6 /3 /2009	ST8	11:30:00 AM	Northern Shoveler	1	Resting	Water	Near
6 /3 /2009	ST8	11:30:00 AM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /3 /2009	ST8	11:30:00 AM	Duck (unidentified)	3	Traveling	Air	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Arctic Tern	2	Feeding	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Distant
6 /3 /2009	ST8	11:30:00 AM	Gull (unidentified)	3	Resting	Sandbar	Distant
6 /3 /2009	ST8	11:30:00 AM	Mew Gull	2	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Arctic Tern	3	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Black Scoter (?)	8	Traveling	Air	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Arctic Tern	2	Feeding	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
6 /3 /2009	ST8	11:30:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /3 /2009	ST8	11:30:00 AM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /3 /2009	ST8	11:30:00 AM	Mew Gull	1	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Northern Pintail	2	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /3 /2009	ST8	11:30:00 AM	Mew Gull	4	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
6 /3 /2009	ST8	11:30:00 AM	Glaucous/Glaucous-winged Gull	2	Resting	Water	Distant
6 /3 /2009	ST8	11:30:00 AM	Sabine's Gull	1	Traveling	Air	Near
6 /3 /2009	ST8	11:30:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
6 /3 /2009	ST8	11:30:00 AM	Gull (unidentified)	12	Resting	Land	Very Far Distant
6 /3 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /3 /2009	ST9	10:10:00 AM	Brant	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Black Scoter	5	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Least/Semipalmated/Western Sandpiper	1	Feeding	Land	Near
6 /3 /2009	ST9	10:10:00 AM	Dowitcher (unidentified)	2	Feeding	Land	Near
6 /3 /2009	ST9	10:10:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Greater Scaup	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Parasitic Jaeger	1	Feeding	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Scoter (unidentified)	11	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Black Scoter	1	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Gull (unidentified)	6	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /3 /2009	ST9	10:10:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Black Scoter	4	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Mew Gull	8	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /3 /2009	ST9	10:10:00 AM	Mew Gull	3	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Black Scoter	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Shorebird (unidentified)	8	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Swan (unidentified)	4	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Bearded Seal	1	Traveling	Water	Near
6 /3 /2009	ST9	10:10:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Mew Gull	6	Resting	Land	Distant
6 /3 /2009	ST9	10:10:00 AM	Shorebird (unidentified)	1	Resting	Land	Distant
6 /3 /2009	ST9	10:10:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /3 /2009	ST9	10:10:00 AM	Greater White-fronted Goose	2	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Green-winged Teal	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Black Scoter	6	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /3 /2009	ST9	10:10:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /3 /2009	ST9	10:10:00 AM	Red-throated Loon	2	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Goose (unidentified)	1	Traveling	Air	Far Distant
6 /3 /2009	ST9	10:10:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Mew Gull	2	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Red-throated Loon	2	Resting	Water	Distant
6 /3 /2009	ST9	10:10:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /3 /2009	ST9	10:10:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
6 /3 /2009	ST9	10:10:00 AM	Dunlin	1	Traveling	Air	Near
6 /3 /2009	ST9	10:10:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Canada Goose	1	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Goose (unidentified)	30	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Common Raven	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /8 /2009	ST1	12:05:00 PM	Human	4	Traveling	Water	Near
6 /8 /2009	ST1	12:05:00 PM	Black Scoter	4	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Arctic Tern	1	Feeding	Water	Near
6 /8 /2009	ST1	12:05:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /8 /2009	ST1	12:05:00 PM	Arctic Tern	2	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Merganser (unidentified)	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /8 /2009	ST1	12:05:00 PM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Gull (unidentified)	61	Resting	Sandbar	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /8 /2009	ST1	12:05:00 PM	Human	3	Subsist	Water	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Human	2	Traveling	Water	Near
6 /8 /2009	ST1	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Black Scoter	15	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /8 /2009	ST1	12:05:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /8 /2009	ST1	12:05:00 PM	Brant	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Pacific Loon	1	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Arctic Tern	2	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Mallard	1	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /8 /2009	ST1	12:05:00 PM	Black Scoter	32	Traveling	Air	Far Distant
6 /8 /2009	ST1	12:05:00 PM	Mew Gull	1	Traveling	Air	Far Distant
6 /8 /2009	ST1	12:05:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Human	5	Traveling	Water	Near
6 /8 /2009	ST1	12:05:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Black Scoter	8	Traveling	Air	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Common Raven	1	Traveling	Air	Far Distant
6 /8 /2009	ST1	12:05:00 PM	Parasitic Jaeger	1	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /8 /2009	ST1	12:05:00 PM	Black Scoter	44	Resting	Water	Distant
6 /8 /2009	ST1	12:05:00 PM	Mew Gull	3	Traveling	Air	Near
6 /8 /2009	ST1	12:05:00 PM	Human	3	Traveling	Water	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Arctic Tern	3	Feeding	Water	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Glaucous Gull	2	Resting	Sandbar	Very Far Distant
6 /8 /2009	ST1	12:05:00 PM	Black Scoter	2	Traveling	Air	Distant
6 /8 /2009	ST6	10:32:00 AM	Surf Scoter	2	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Common Loon	1	Traveling	Air	Distant
6 /8 /2009	ST6	10:32:00 AM	Scaup (unidentified)	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mallard	9	Traveling	Air	Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Parasitic Jaeger	1	Feeding	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Tern (unidentified)	14	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	6	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Tern (unidentified)	12	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Tern (unidentified)	12	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Spectacled Eider (?)	6	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	1	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	White-winged Scoter	3	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Pacific Loon	3	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mallard	2	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Surf Scoter	1	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Arctic Tern	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /8 /2009	ST6	10:32:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Loon (unidentified)	3	Resting	Water	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Sandhill Crane	4	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Red-throated Loon	1	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Duck (unidentified)	1	Traveling	Air	Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	1	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Tern (unidentified)	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Glaucous Gull	3	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	White-winged Scoter	3	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	12	Resting	Land	Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	2	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Tern (unidentified)	46	Feeding	Water	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /8 /2009	ST6	10:32:00 AM	Northern Pintail	1	Resting	Water	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	21	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	26	Traveling	Air	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	14	Resting	Sandbar	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	6	Resting	Land	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Greater White-fronted Goose	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /8 /2009	ST6	10:32:00 AM	Black-bellied Plover	3	Resting	Sandbar	Far Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Sandhill Crane	3	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Scaup (unidentified)	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mallard	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /8 /2009	ST6	10:32:00 AM	Tern (unidentified)	9	Traveling	Air	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /8 /2009	ST6	10:32:00 AM	Mew Gull	4	Traveling	Air	Very Far Distant
6 /8 /2009	ST7	12:49:00 PM	Northern Pintail	1	Traveling	Air	Near
6 /8 /2009	ST7	12:49:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /8 /2009	ST7	12:49:00 PM	Parasitic Jaeger	2	Traveling	Air	Near
6 /8 /2009	ST7	12:49:00 PM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
6 /8 /2009	ST7	12:49:00 PM	Mew Gull	8	Traveling	Air	Near
6 /8 /2009	ST7	12:49:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /8 /2009	ST7	12:49:00 PM	Green-winged Teal	1	Traveling	Air	Distant
6 /8 /2009	ST7	12:49:00 PM	Black Scoter	3	Traveling	Air	Very Far Distant
6 /8 /2009	ST7	12:49:00 PM	Least/Semipalmated/Western Sandpiper	4	Traveling	Air	Near
6 /8 /2009	ST7	12:49:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /8 /2009	ST7	12:49:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
6 /8 /2009	ST7	12:49:00 PM	White-winged Scoter	6	Traveling	Air	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Greater Scaup	3	Traveling	Air	Near
6 /8 /2009	ST8	11:28:00 AM	Green-winged Teal	3	Traveling	Air	Near
6 /8 /2009	ST8	11:28:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /8 /2009	ST8	11:28:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Least/Semipalmated/Western Sandpiper	1	Traveling	Air	Near
6 /8 /2009	ST8	11:28:00 AM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Glaucous Gull	2	Resting	Water	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Long-tailed Jaeger	1	Traveling	Air	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Human	1	Traveling	Water	Near
6 /8 /2009	ST8	11:28:00 AM	Whimbrel	2	Traveling	Air	Near
6 /8 /2009	ST8	11:28:00 AM	Human	2	Subsist	Water	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /8 /2009	ST8	11:28:00 AM	Duck (unidentified)	10	Traveling	Air	Very Far Distant
6 /8 /2009	ST8	11:28:00 AM	Pacific Loon	2	Resting	Water	Near
6 /8 /2009	ST8	11:28:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Glaucous Gull	6	Traveling	Air	Very Far Distant
6 /8 /2009	ST8	11:28:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /8 /2009	ST8	11:28:00 AM	Northern Pintail	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /8 /2009	ST8	11:28:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /8 /2009	ST8	11:28:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST8	11:28:00 AM	Northern Pintail	2	Resting	Water	Far Distant
6 /8 /2009	ST8	11:28:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /8 /2009	ST9	10:15:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /8 /2009	ST9	10:15:00 AM	Green-winged Teal	3	Traveling	Air	Near
6 /8 /2009	ST9	10:15:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /8 /2009	ST9	10:15:00 AM	Black Scoter	6	Resting	Water	Near
6 /8 /2009	ST9	10:15:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
6 /8 /2009	ST9	10:15:00 AM	Swan (unidentified)	2	Feeding	Water	Distant
6 /8 /2009	ST9	10:15:00 AM	Least/Semipalmated/Western Sandpiper	1	Traveling	Air	Near
6 /8 /2009	ST9	10:15:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /8 /2009	ST9	10:15:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST9	10:15:00 AM	Whimbrel	1	Traveling	Air	Near
6 /8 /2009	ST9	10:15:00 AM	Black Scoter	8	Traveling	Air	Distant
6 /8 /2009	ST9	10:15:00 AM	Glaucous Gull	2	Traveling	Air	Distant
6 /8 /2009	ST9	10:15:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /8 /2009	ST9	10:15:00 AM	Swan (unidentified)	1	Resting	Land	Distant
6 /8 /2009	ST9	10:15:00 AM	Loon (unidentified)	1	Traveling	Water	Far Distant
6 /8 /2009	ST9	10:15:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /8 /2009	ST9	10:15:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /8 /2009	ST9	10:15:00 AM	Northern Pintail	2	Traveling	Air	Distant
6 /8 /2009	ST9	10:15:00 AM	Greater White-fronted Goose	7	Traveling	Air	Near
6 /8 /2009	ST9	10:15:00 AM	Greater White-fronted Goose	9	Resting	Land	Distant
6 /9 /2009	ST6	11:19:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Golden-Plover (unidentified)	1	Resting	Sandbar	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Black Scoter	1	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	4	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Northern Pintail	4	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Northern Pintail	2	Feeding	Water	Near
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	2	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	6	Resting	Land	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	6	Resting	Land	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	22	Resting	Sandbar	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Parasitic Jaeger	1	Feeding	Water	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	15	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	8	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Northern Shoveler	2	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	2	Resting	Sandbar	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	64	Feeding	Water	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	8	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Pacific Loon	1	Resting	Water	Distant
6 /9 /2009	ST6	11:19:00 AM	Gull (unidentified)	28	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	14	Feeding	Water	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	18	Resting	Land	Distant
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /9 /2009	ST6	11:19:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Mew Gull	2	Resting	Sandbar	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Black Scoter	2	Traveling	Air	Far Distant
6 /9 /2009	ST6	11:19:00 AM	Mallard	3	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Duck (unidentified)	3	Resting	Water	Very Far Distant
6 /9 /2009	ST6	11:19:00 AM	Arctic Tern	2	Feeding	Water	Distant
6 /9 /2009	ST6	11:19:00 AM	Swallow (unidentified)	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Northern Pintail	2	Traveling	Air	Near
6 /9 /2009	ST6	11:19:00 AM	White-winged Scoter	1	Traveling	Air	Distant
6 /9 /2009	ST6	11:19:00 AM	Northern Pintail	3	Feeding	Water	Near
6 /9 /2009	ST6	11:19:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Red-necked Phalarope	3	Resting	Water	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Least/Semipalmated/Western Sandpiper	1	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Mew Gull	2	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Goose (unidentified)	14	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Pacific Loon	5	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Glaucous Gull	4	Traveling	Air	Near
6 /9 /2009	ST7	12:27:00 PM	Northern Pintail	5	Resting	Water	Distant
6 /9 /2009	ST7	12:27:00 PM	Red-necked Phalarope	1	Traveling	Air	Distant
6 /9 /2009	ST7	12:27:00 PM	Owl (unidentified)	1	Traveling	Air	Distant
6 /9 /2009	ST7	12:27:00 PM	Dunlin	1	Resting	Land	Near
6 /9 /2009	ST7	12:27:00 PM	Mew Gull	1	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Mew Gull	2	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Northern Pintail	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /9 /2009	ST7	12:27:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /9 /2009	ST7	12:27:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /9 /2009	ST7	12:27:00 PM	Least/Semipalmated/Western Sandpiper	1	Traveling	Air	Near
6 /9 /2009	ST7	12:27:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /9 /2009	ST7	12:27:00 PM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /9 /2009	ST7	12:27:00 PM	Northern Shoveler	2	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Mew Gull	9	Traveling	Air	Near
6 /9 /2009	ST7	12:27:00 PM	Least/Semipalmated/Western Sandpiper	2	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Northern Pintail	5	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Black Scoter	4	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	White-winged Scoter	3	Traveling	Air	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Loon (unidentified)	1	Resting	Water	Far Distant
6 /9 /2009	ST7	12:27:00 PM	Parasitic Jaeger	2	Traveling	Air	Near
6 /9 /2009	ST7	12:27:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST8	11:06:00 AM	Mew Gull	4	Traveling	Air	Near
6 /9 /2009	ST8	11:06:00 AM	White-winged Scoter	1	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST8	11:06:00 AM	Human	1	Subsist	Water	Distant
6 /9 /2009	ST8	11:06:00 AM	Greater White-fronted Goose	4	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Black Scoter	4	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST8	11:06:00 AM	Human	1	Subsist	Water	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Canada Goose	2	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Least/Semipalmated/Western Sandpiper	3	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	White-winged Scoter	3	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Northern Pintail	2	Resting	Water	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Greater White-fronted Goose	2	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Black Scoter	2	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /9 /2009	ST8	11:06:00 AM	Common Loon	2	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
6 /9 /2009	ST8	11:06:00 AM	Swan (unidentified)	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Canada Goose	10	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Least/Semipalmated/Western Sandpiper	3	Traveling	Air	Near
6 /9 /2009	ST8	11:06:00 AM	Sandhill Crane	1	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST8	11:06:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	White-winged Scoter	1	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Mew Gull	1	Feeding	Water	Distant
6 /9 /2009	ST8	11:06:00 AM	Northern Pintail	2	Resting	Land	Distant
6 /9 /2009	ST8	11:06:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Red-throated Loon	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Common Loon	1	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Northern Pintail	3	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Black Scoter	3	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /9 /2009	ST8	11:06:00 AM	Least/Semipalmated/Western Sandpiper	1	Traveling	Air	Near
6 /9 /2009	ST8	11:06:00 AM	Northern Shoveler	2	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Northern Pintail	3	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
6 /9 /2009	ST8	11:06:00 AM	Duck (unidentified)	7	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST8	11:06:00 AM	Pacific Loon	3	Traveling	Air	Distant
6 /9 /2009	ST8	11:06:00 AM	Pacific Loon	4	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Greater White-fronted Goose	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Lapland Longspur	2	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Green-winged Teal	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Wilson's (Common) Snipe	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /9 /2009	ST9	09:50:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Plover (?)	4	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Shoveler	2	Feeding	Land	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Black Scoter	14	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Black Scoter	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Black Scoter	2	Resting	Water	Distant
6 /9 /2009	ST9	09:50:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Shoveler	2	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Black Scoter	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Shoveler	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Pacific Loon	2	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Greater White-fronted Goose	3	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Sandpiper (unidentified)	1	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Black Scoter	3	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	White-winged Scoter	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /9 /2009	ST9	09:50:00 AM	Tundra Swan	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	2	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Pacific Loon	2	Resting	Water	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Canada Goose	1	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	3	Resting	Water	Near
6 /9 /2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Sabine's Gull	2	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Pacific Loon	2	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Northern Pintail	7	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Greater White-fronted Goose	1	Resting	Land	Distant
6 /9 /2009	ST9	09:50:00 AM	Tundra Swan	1	Feeding	Land	Distant
6 /9 /2009	ST9	09:50:00 AM	Black Scoter	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	Pacific Loon	4	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Northern Shoveler	4	Traveling	Air	Distant
6 /9 /2009	ST9	09:50:00 AM	Black Scoter	7	Traveling	Air	Far Distant
6 /9 /2009	ST9	09:50:00 AM	Canada Goose	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /9 /2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /9 /2009	ST9	09:50:00 AM	White-winged Scoter	1	Traveling	Air	Distant
6 /10/2009	ST1	11:36:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /10/2009	ST1	11:36:00 AM	Mew Gull	4	Resting	Sandbar	Distant
6 /10/2009	ST1	11:36:00 AM	Plover (unidentified)	1	Resting	Sandbar	Far Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	5	Feeding	Water	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Gull (unidentified)	1	Traveling	Air	Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	7	Traveling	Air	Near
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	10	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	9	Traveling	Air	Far Distant
6 /10/2009	ST1	11:36:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /10/2009	ST1	11:36:00 AM	Bald Eagle	1	Traveling	Air	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	4	Resting	Sandbar	Far Distant
6 /10/2009	ST1	11:36:00 AM	Human	4	Traveling	Water	Far Distant
6 /10/2009	ST1	11:36:00 AM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	34	Feeding	Water	Far Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	4	Resting	Sandbar	Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	14	Breeding	Sandbar	Distant
6 /10/2009	ST1	11:36:00 AM	Human	4	Traveling	Water	Near
6 /10/2009	ST1	11:36:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Parasitic Jaeger	1	Feeding	Air	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Arctic Tern	6	Feeding	Water	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Plover (unidentified)	1	Feeding	Sandbar	Distant
6 /10/2009	ST1	11:36:00 AM	Human	1	Traveling	Water	Near
6 /10/2009	ST1	11:36:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /10/2009	ST1	11:36:00 AM	Northern Shoveler	1	Traveling	Air	Near
6 /10/2009	ST1	11:36:00 AM	Yellow Warbler	1	Traveling	Air	Near
6 /10/2009	ST1	11:36:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Mew Gull	8	Resting	Land	Near
6 /10/2009	ST1	11:36:00 AM	Human	6	Traveling	Water	Near
6 /10/2009	ST1	11:36:00 AM	Gull (unidentified)	14	Resting	Sandbar	Very Far Distant
6 /10/2009	ST1	11:36:00 AM	Human	5	Traveling	Water	Near
6 /10/2009	ST1	11:36:00 AM	Gull (unidentified)	9	Resting	Land	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
6 /10/2009	ST6	10:03:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Plover (unidentified)	1	Resting	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Passerine (unidentified)	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /10/2009	ST6	10:03:00 AM	Gull (unidentified)	14	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Gull (unidentified)	25	Resting	Land	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	3	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	12	Traveling	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Arctic Tern	6	Feeding	Water	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Scaup (unidentified)	4	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	2	Resting	Sandbar	Far Distant
6 /10/2009	ST6	10:03:00 AM	Arctic Tern	6	Feeding	Water	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Gull (unidentified)	11	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Glaucous Gull	1	Feeding	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	7	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	3	Resting	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Yellow Warbler	2	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Arctic Tern	4	Resting	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Black-bellied Plover	7	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Mew Gull	21	Resting	Land	Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	3	Resting	Land	Near
6 /10/2009	ST6	10:03:00 AM	Tundra Swan	2	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Varied Thrush	1	Feeding	Land	Near
6 /10/2009	ST6	10:03:00 AM	Rusty Blackbird	1	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Mew Gull	1	Feeding	Water	Distant
6 /10/2009	ST6	10:03:00 AM	Wandering Tattler	1	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Northern Pintail	2	Resting	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Mew Gull	7	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /10/2009	ST6	10:03:00 AM	Mew Gull	10	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /10/2009	ST6	10:03:00 AM	Parasitic Jaeger	1	Feeding	Sandbar	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Gull (unidentified)	8	Resting	Land	Very Far Distant
6 /10/2009	ST6	10:03:00 AM	Shorebird (unidentified)	1	Resting	Sandbar	Far Distant
6 /10/2009	ST6	10:03:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /10/2009	ST6	10:03:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /10/2009	ST6	10:03:00 AM	Black-bellied Plover	1	Feeding	Sandbar	Far Distant
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
6 /10/2009	ST7	09:50:00 AM	Northern Pintail	2	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Black Scoter	2	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Sandpiper (unidentified)	1	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Mew Gull	3	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Glaucous Gull	2	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	2	Resting	Land	Distant
6 /10/2009	ST7	09:50:00 AM	Northern Pintail	2	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /10/2009	ST7	09:50:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Glaucous Gull	5	Resting	Water	Distant
6 /10/2009	ST7	09:50:00 AM	Dunlin	1	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Weasel	1	Traveling	Land	Near
6 /10/2009	ST7	09:50:00 AM	Greater White-fronted Goose	1	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Human	1	Subsist	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /10/2009	ST7	09:50:00 AM	Glaucous Gull	3	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Mew Gull	3	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	2	Resting	Land	Far Distant
6 /10/2009	ST7	09:50:00 AM	Mew Gull	2	Resting	Water	Distant
6 /10/2009	ST7	09:50:00 AM	Sandhill Crane	3	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /10/2009	ST7	09:50:00 AM	Mew Gull	1	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Northern Pintail	2	Resting	Land	Distant
6 /10/2009	ST7	09:50:00 AM	Mew Gull	1	Resting	Water	Distant
6 /10/2009	ST7	09:50:00 AM	Northern Pintail	3	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Mew Gull	11	Traveling	Air	Far Distant
6 /10/2009	ST7	09:50:00 AM	Northern Harrier	1	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Passerine (unidentified)	1	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Northern Harrier	1	Traveling	Air	Near
6 /10/2009	ST7	09:50:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /10/2009	ST7	09:50:00 AM	Duck (unidentified)	3	Traveling	Air	Far Distant
6 /10/2009	ST7	09:50:00 AM	Red-throated Loon	2	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Shorebird (unidentified)	5	Traveling	Air	Far Distant
6 /10/2009	ST7	09:50:00 AM	Glaucous Gull	3	Traveling	Air	Distant
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /10/2009	ST7	09:50:00 AM	Gull (unidentified)	1	Resting	Land	Far Distant
6 /10/2009	ST8	11:10:00 AM	Shorebird (unidentified)	14	Traveling	Air	Distant
6 /10/2009	ST8	11:10:00 AM	Mew Gull	2	Feeding	Sandbar	Near
6 /10/2009	ST8	11:10:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /10/2009	ST8	11:10:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /10/2009	ST8	11:10:00 AM	Parasitic Jaeger	2	Resting	Water	Distant
6 /10/2009	ST8	11:10:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /10/2009	ST8	11:10:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /10/2009	ST8	11:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /10/2009	ST8	11:10:00 AM	Northern Pintail	2	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Human	3	Subsist	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /10/2009	ST8	11:10:00 AM	Pacific Loon	2	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	3	Feeding	Air	Near
6 /10/2009	ST8	11:10:00 AM	Least/Semipalmated/Western Sandpiper	3	Feeding	Sandbar	Near
6 /10/2009	ST8	11:10:00 AM	Red-necked Phalarope	4	Feeding	Sandbar	Near
6 /10/2009	ST8	11:10:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
6 /10/2009	ST8	11:10:00 AM	Mew Gull	3	Resting	Sandbar	Near
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	4	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Red-necked Phalarope	1	Resting	Sandbar	Near
6 /10/2009	ST8	11:10:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Near
6 /10/2009	ST8	11:10:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /10/2009	ST8	11:10:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /10/2009	ST8	11:10:00 AM	Mew Gull	5	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Red-necked Phalarope	3	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Mew Gull	2	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Savannah Sparrow	1	Resting	Land	Near
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /10/2009	ST8	11:10:00 AM	Bird (unidentified)	1	Traveling	Air	Far Distant
6 /10/2009	ST8	11:10:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Dunlin	1	Resting	Sandbar	Near
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	3	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Parasitic Jaeger	1	Feeding	Air	Distant
6 /10/2009	ST8	11:10:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	10	Traveling	Air	Far Distant
6 /10/2009	ST8	11:10:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /10/2009	ST8	11:10:00 AM	Arctic Tern	14	Traveling	Air	Distant
6 /10/2009	ST9	12:30:00 PM	Northern Pintail	1	Resting	Land	Near
6 /10/2009	ST9	12:30:00 PM	Seal (unidentified)	1	Resting	Water	Near
6 /10/2009	ST9	12:30:00 PM	Glaucous Gull	2	Traveling	Air	Distant
6 /10/2009	ST9	12:30:00 PM	Northern Pintail	3	Breeding	Air	Near
6 /10/2009	ST9	12:30:00 PM	Dowitcher (unidentified)	1	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Green-winged Teal	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /10/2009	ST9	12:30:00 PM	Pacific Loon	1	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Least Sandpiper	2	Breeding	Land	Near
6 /10/2009	ST9	12:30:00 PM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /10/2009	ST9	12:30:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Greater Scaup	1	Resting	Water	Distant
6 /10/2009	ST9	12:30:00 PM	Least Sandpiper	2	Breeding	Air	Near
6 /10/2009	ST9	12:30:00 PM	Lapland Longspur	2	Breeding	Land	Near
6 /10/2009	ST9	12:30:00 PM	Savannah Sparrow	3	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /10/2009	ST9	12:30:00 PM	Northern Shoveler	2	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Greater White-fronted Goose	2	Traveling	Air	Distant
6 /10/2009	ST9	12:30:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /10/2009	ST9	12:30:00 PM	Jaeger (unidentified)	1	Traveling	Air	Far Distant
6 /10/2009	ST9	12:30:00 PM	Red-throated Loon	1	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Shorebird (unidentified)	2	Feeding	Land	Distant
6 /10/2009	ST9	12:30:00 PM	Mew Gull	13	Resting	Land	Distant
6 /10/2009	ST9	12:30:00 PM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
6 /10/2009	ST9	12:30:00 PM	Least Sandpiper	1	Breeding	Air	Near
6 /10/2009	ST9	12:30:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /10/2009	ST9	12:30:00 PM	Mew Gull	9	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Cormorant (unidentified)	3	Traveling	Air	Near
6 /10/2009	ST9	12:30:00 PM	Sparrow (unidentified)	4	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Loon (unidentified)	2	Resting	Water	Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	4	Resting	Sandbar	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Human	1	Traveling	Water	Far Distant
6 /11/2009	ST1	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	10	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	3	Resting	Sandbar	Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	10	Feeding	Water	Distant
6 /11/2009	ST1	12:05:00 PM	Human	4	Traveling	Water	Near
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	4	Feeding	Water	Far Distant
6 /11/2009	ST1	12:05:00 PM	Sandhill Crane	1	Traveling	Air	Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	7	Traveling	Air	Near
6 /11/2009	ST1	12:05:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Mew Gull	1	Traveling	Air	Near
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /11/2009	ST1	12:05:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Human	4	Traveling	Water	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Human	3	Traveling	Water	Near
6 /11/2009	ST1	12:05:00 PM	Human	12	Subsist	Water	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /11/2009	ST1	12:05:00 PM	Human	2	Traveling	Water	Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	20	Resting	Sandbar	Far Distant
6 /11/2009	ST1	12:05:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Mew Gull	2	Traveling	Air	Far Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Mew Gull	1	Resting	Sandbar	Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	8	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Northern Pintail	2	Traveling	Air	Near
6 /11/2009	ST1	12:05:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Glaucous Gull	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Mew Gull	5	Traveling	Air	Far Distant
6 /11/2009	ST1	12:05:00 PM	American Tree Sparrow	2	Traveling	Air	Near
6 /11/2009	ST1	12:05:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Glaucous Gull	3	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /11/2009	ST1	12:05:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /11/2009	ST1	12:05:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /11/2009	ST1	12:05:00 PM	Arctic Tern	1	Feeding	Water	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /11/2009	ST6	10:33:00 AM	Mew Gull	4	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Mew Gull	5	Resting	Sandbar	Far Distant
6 /11/2009	ST6	10:33:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Mew Gull	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	5	Resting	Land	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	2	Feeding	Water	Distant
6 /11/2009	ST6	10:33:00 AM	Passerine (unidentified)	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Yellow Warbler	4	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	17	Resting	Land	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Rusty Blackbird	2	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	11	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Tern (unidentified)	6	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Mew Gull	6	Resting	Land	Distant
6 /11/2009	ST6	10:33:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	4	Feeding	Water	Distant
6 /11/2009	ST6	10:33:00 AM	Bird (unidentified)	1	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Mew Gull	5	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	11	Resting	Sandbar	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Scaup (unidentified)	1	Resting	Water	Far Distant
6 /11/2009	ST6	10:33:00 AM	Tern (unidentified)	25	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Mew Gull	3	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Tern (unidentified)	5	Resting	Sandbar	Far Distant
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	11	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /11/2009	ST6	10:33:00 AM	Mew Gull	2	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	4	Resting	Sandbar	Far Distant
6 /11/2009	ST6	10:33:00 AM	Varied Thrush	1	Feeding	Land	Near
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Rusty Blackbird	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Northern Pintail	1	Resting	Water	Far Distant
6 /11/2009	ST6	10:33:00 AM	Duck (unidentified)	1	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Tern (unidentified)	5	Resting	Sandbar	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Yellow Warbler	3	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Mew Gull	3	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Northern Pintail	1	Resting	Land	Distant
6 /11/2009	ST6	10:33:00 AM	Mew Gull	2	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Shorebird (unidentified)	4	Resting	Sandbar	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Tern (unidentified)	3	Feeding	Water	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Rusty Blackbird	1	Feeding	Land	Near
6 /11/2009	ST6	10:33:00 AM	Human	5	Subsist	Water	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Glaucous Gull	1	Resting	Water	Distant
6 /11/2009	ST6	10:33:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Merganser (unidentified)	1	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
6 /11/2009	ST6	10:33:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
6 /11/2009	ST6	10:33:00 AM	Glaucous Gull	2	Feeding	Water	Distant
6 /11/2009	ST6	10:33:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /11/2009	ST6	10:33:00 AM	Arctic Tern	2	Feeding	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /11/2009	ST6	10:33:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Greater White-fronted Goose	10	Traveling	Air	Near
6 /11/2009	ST6	10:33:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /11/2009	ST6	10:33:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /11/2009	ST7	02:00:00 PM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant
6 /11/2009	ST7	02:00:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /11/2009	ST7	02:00:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /11/2009	ST7	02:00:00 PM	Gull (unidentified)	6	Traveling	Air	Distant
6 /11/2009	ST7	02:00:00 PM	Dunlin	1	Resting	Land	Near
6 /11/2009	ST7	02:00:00 PM	Greater White-fronted Goose	5	Traveling	Air	Distant
6 /11/2009	ST7	02:00:00 PM	Sparrow (unidentified)	2	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Pacific Loon	1	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Shorebird (unidentified)	3	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Goose (unidentified)	10	Traveling	Air	Far Distant
6 /11/2009	ST7	02:00:00 PM	Northern Pintail	2	Resting	Water	Near
6 /11/2009	ST7	02:00:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /11/2009	ST7	02:00:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Dunlin	2	Resting	Land	Near
6 /11/2009	ST7	02:00:00 PM	Mew Gull	1	Feeding	Water	Distant
6 /11/2009	ST7	02:00:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /11/2009	ST7	02:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /11/2009	ST7	02:00:00 PM	Cormorant (unidentified)	6	Traveling	Air	Distant
6 /11/2009	ST7	02:00:00 PM	Northern Pintail	7	Resting	Water	Near
6 /11/2009	ST7	02:00:00 PM	Arctic Tern	3	Traveling	Air	Distant
6 /11/2009	ST7	02:00:00 PM	Mew Gull	5	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Dunlin	1	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Lapland Longspur	2	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Human	1	Traveling	Water	Very Far Distant
6 /11/2009	ST7	02:00:00 PM	Northern Pintail	1	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Human	3	Traveling	Water	Near
6 /11/2009	ST7	02:00:00 PM	Arctic Tern	10	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /11/2009	ST7	02:00:00 PM	Bird (unidentified)	16	Traveling	Air	Very Far Distant
6 /11/2009	ST8	03:30:00 PM	Northern Pintail	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /11/2009	ST8	03:30:00 PM	Parasitic Jaeger	2	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Mew Gull	3	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Long-tailed Jaeger	1	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Arctic Tern	4	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Pacific Loon	1	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /11/2009	ST8	03:30:00 PM	Greater White-fronted Goose	1	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Red-necked Phalarope	1	Feeding	Water	Near
6 /11/2009	ST8	03:30:00 PM	Sabine's Gull	2	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Parasitic Jaeger	3	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Arctic Tern	4	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Mew Gull	2	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Mew Gull	3	Resting	Water	Near
6 /11/2009	ST8	03:30:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /11/2009	ST8	03:30:00 PM	Parasitic Jaeger	3	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Northern Pintail	2	Breeding	Land	Near
6 /11/2009	ST8	03:30:00 PM	Northern Shoveler	1	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Arctic Tern	3	Traveling	Air	Far Distant
6 /11/2009	ST8	03:30:00 PM	Least/Semipalmated/Western Sandpiper	1	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Shorebird (unidentified)	1	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /11/2009	ST8	03:30:00 PM	Gull (unidentified)	16	Traveling	Air	Far Distant
6 /11/2009	ST8	03:30:00 PM	Mew Gull	7	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Gull (unidentified)	6	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Parasitic Jaeger	1	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Red-necked Phalarope	2	Resting	Water	Near
6 /11/2009	ST8	03:30:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Goose (unidentified)	3	Traveling	Air	Far Distant
6 /11/2009	ST8	03:30:00 PM	Shorebird (unidentified)	4	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /11/2009	ST8	03:30:00 PM	Arctic Tern	14	Feeding	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /11/2009	ST8	03:30:00 PM	Least/Semipalmated/Western Sandpiper	1	Breeding	Air	Near
6 /11/2009	ST8	03:30:00 PM	Dunlin	1	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Red-necked Phalarope	1	Feeding	Water	Near
6 /11/2009	ST8	03:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /11/2009	ST8	03:30:00 PM	Loon (unidentified)	1	Feeding	Water	Far Distant
6 /11/2009	ST8	03:30:00 PM	Shorebird (unidentified)	1	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Sabine's Gull	8	Resting	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Arctic Tern	10	Traveling	Air	Far Distant
6 /11/2009	ST8	03:30:00 PM	Sabine's Gull	10	Resting	Water	Far Distant
6 /11/2009	ST8	03:30:00 PM	Red-necked Phalarope	1	Feeding	Water	Distant
6 /11/2009	ST8	03:30:00 PM	Northern Pintail	2	Traveling	Air	Far Distant
6 /11/2009	ST8	03:30:00 PM	Black Scoter	1	Traveling	Air	Distant
6 /11/2009	ST8	03:30:00 PM	Glaucous Gull	2	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /11/2009	ST9	04:45:00 PM	Glaucous Gull	1	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Long-tailed Jaeger	1	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Dunlin	1	Breeding	Land	Near
6 /11/2009	ST9	04:45:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Least Sandpiper	3	Breeding	Air	Near
6 /11/2009	ST9	04:45:00 PM	Sandhill Crane	1	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Red-necked Phalarope	3	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Gull (unidentified)	7	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Goose (unidentified)	2	Traveling	Air	Far Distant
6 /11/2009	ST9	04:45:00 PM	Canada Goose	9	Traveling	Air	Far Distant
6 /11/2009	ST9	04:45:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Far Distant
6 /11/2009	ST9	04:45:00 PM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
6 /11/2009	ST9	04:45:00 PM	Passerine (unidentified)	2	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Shorebird (unidentified)	1	Feeding	Water	Distant
6 /11/2009	ST9	04:45:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /11/2009	ST9	04:45:00 PM	Shorebird (unidentified)	6	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Goose (unidentified)	20	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /11/2009	ST9	04:45:00 PM	Arctic Tern	1	Feeding	Air	Near
6 /11/2009	ST9	04:45:00 PM	Arctic Tern	3	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Dunlin	1	Resting	Land	Near
6 /11/2009	ST9	04:45:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Least Sandpiper	4	Breeding	Air	Near
6 /11/2009	ST9	04:45:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /11/2009	ST9	04:45:00 PM	Red-necked Phalarope	3	Feeding	Water	Distant
6 /11/2009	ST9	04:45:00 PM	Northern Harrier	1	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Red-throated Loon	1	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Northern Pintail	3	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Glaucous Gull	3	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /11/2009	ST9	04:45:00 PM	Canada Goose	2	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Gull (unidentified)	2	Traveling	Air	Far Distant
6 /11/2009	ST9	04:45:00 PM	Bird (unidentified)	2	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Yellow Warbler	1	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Shorebird (unidentified)	1	Resting	Land	Distant
6 /11/2009	ST9	04:45:00 PM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
6 /11/2009	ST9	04:45:00 PM	Common Raven	1	Traveling	Air	Distant
6 /11/2009	ST9	04:45:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /11/2009	ST9	04:45:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /11/2009	ST9	04:45:00 PM	Gull (unidentified)	4	Resting	Land	Distant
6 /11/2009	ST9	04:45:00 PM	Dunlin	3	Breeding	Air	Near
6 /11/2009	ST9	04:45:00 PM	Mew Gull	6	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Shorebird (unidentified)	1	Resting	Sandbar	Far Distant
6 /12/2009	ST6	10:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Red-necked Phalarope	2	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Duck (unidentified)	5	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	2	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Greater White-fronted Goose	5	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Arctic Tern	2	Feeding	Water	Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	4	Resting	Sandbar	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /12/2009	ST6	10:45:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Glaucous Gull	4	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /12/2009	ST6	10:45:00 AM	Tern (unidentified)	3	Resting	Land	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Sandhill Crane	1	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	3	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	2	Resting	Sandbar	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Tern (unidentified)	2	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Gull (unidentified)	8	Resting	Land	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	White-winged Scoter	4	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Tern (unidentified)	11	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Gull (unidentified)	38	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Common Loon	1	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Rusty Blackbird	2	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Black Scoter	5	Resting	Water	Far Distant
6 /12/2009	ST6	10:45:00 AM	Plover (unidentified)	2	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Black Scoter	7	Resting	Water	Far Distant
6 /12/2009	ST6	10:45:00 AM	Merganser (unidentified)	3	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /12/2009	ST6	10:45:00 AM	Northern Goshawk	1	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Mew Gull	2	Resting	Sandbar	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Arctic Tern	4	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Glaucous Gull	1	Resting	Land	Far Distant
6 /12/2009	ST6	10:45:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Common Raven	1	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /12/2009	ST6	10:45:00 AM	Mew Gull	1	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Gull (unidentified)	4	Resting	Land	Far Distant
6 /12/2009	ST6	10:45:00 AM	Arctic Tern	6	Traveling	Air	Far Distant
6 /12/2009	ST6	10:45:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Mew Gull	1	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Arctic Tern	18	Feeding	Water	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Scaup (unidentified)	1	Resting	Water	Far Distant
6 /12/2009	ST6	10:45:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
6 /12/2009	ST6	10:45:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /12/2009	ST6	10:45:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /12/2009	ST6	10:45:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST7	09:40:00 AM	Red-throated Loon	1	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST7	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST7	09:40:00 AM	Swallow (unidentified)	1	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /12/2009	ST7	09:40:00 AM	Arctic Tern	5	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Dunlin	1	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant
6 /12/2009	ST7	09:40:00 AM	Mew Gull	3	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Gull (unidentified)	4	Resting	Sandbar	Far Distant
6 /12/2009	ST7	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /12/2009	ST7	09:40:00 AM	Mew Gull	3	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Bank Swallow	1	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Gull (unidentified)	5	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
6 /12/2009	ST7	09:40:00 AM	Green-winged Teal	1	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /12/2009	ST7	09:40:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /12/2009	ST7	09:40:00 AM	Northern Shoveler	1	Traveling	Air	Far Distant
6 /12/2009	ST7	09:40:00 AM	Savannah Sparrow	1	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Human	1	Subsist	Water	Far Distant
6 /12/2009	ST7	09:40:00 AM	Red-throated Loon	1	Traveling	Air	Near
6 /12/2009	ST7	09:40:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /12/2009	ST8	11:25:00 AM	Dunlin	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Calidrid Sandpiper	2	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /12/2009	ST8	11:25:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /12/2009	ST8	11:25:00 AM	Arctic Tern	6	Traveling	Air	Far Distant
6 /12/2009	ST8	11:25:00 AM	Common Pochard (?)	4	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Black Scoter	4	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Mew Gull	7	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
6 /12/2009	ST8	11:25:00 AM	Waterfowl (unidentified)	13	Traveling	Air	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Mew Gull	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Calidrid Sandpiper	4	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /12/2009	ST8	11:25:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
6 /12/2009	ST8	11:25:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /12/2009	ST8	11:25:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Northern Harrier	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
6 /12/2009	ST8	11:25:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Northern Shoveler	2	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Greater Scaup	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /12/2009	ST8	11:25:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /12/2009	ST8	11:25:00 AM	Arctic Tern	1	Resting	Sandbar	Distant
6 /12/2009	ST8	11:25:00 AM	Greater White-fronted Goose	1	Traveling	Air	Distant
6 /12/2009	ST8	11:25:00 AM	Greater Scaup	1	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Greater White-fronted Goose	7	Resting	Land	Distant
6 /12/2009	ST9	12:40:00 PM	Least Sandpiper	1	Breeding	Air	Near
6 /12/2009	ST9	12:40:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /12/2009	ST9	12:40:00 PM	Northern Pintail	2	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Parasitic Jaeger	2	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Mew Gull	2	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Red-necked Phalarope	1	Resting	Land	Near
6 /12/2009	ST9	12:40:00 PM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
6 /12/2009	ST9	12:40:00 PM	Gull (unidentified)	8	Resting	Land	Very Far Distant
6 /12/2009	ST9	12:40:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /12/2009	ST9	12:40:00 PM	Glaucous Gull	4	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /12/2009	ST9	12:40:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Northern Pintail	1	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /12/2009	ST9	12:40:00 PM	Calidrid Sandpiper	4	Feeding	Sandbar	Distant
6 /12/2009	ST9	12:40:00 PM	Gull (unidentified)	1	Resting	Water	Distant
6 /12/2009	ST9	12:40:00 PM	Arctic Tern	2	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Red-throated Loon	1	Traveling	Air	Far Distant
6 /12/2009	ST9	12:40:00 PM	Calidrid Sandpiper	1	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Shorebird (unidentified)	2	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Parasitic Jaeger	2	Resting	Water	Distant
6 /12/2009	ST9	12:40:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Dunlin	2	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Pacific Loon	1	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Red-throated Loon	1	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Dunlin	2	Resting	Land	Near
6 /12/2009	ST9	12:40:00 PM	Redpoll (unidentified)	1	Resting	Land	Near
6 /12/2009	ST9	12:40:00 PM	Arctic Tern	3	Traveling	Air	Far Distant
6 /12/2009	ST9	12:40:00 PM	Shorebird (unidentified)	3	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Shorebird (unidentified)	1	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST9	12:40:00 PM	Bird (unidentified)	12	Traveling	Air	Very Far Distant
6 /12/2009	ST9	12:40:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /12/2009	ST9	12:40:00 PM	Red-throated Loon	1	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Red-necked Phalarope	3	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	Scoter (unidentified)	13	Traveling	Air	Very Far Distant
6 /12/2009	ST9	12:40:00 PM	Surf Scoter	1	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /12/2009	ST9	12:40:00 PM	Northern Pintail	2	Traveling	Air	Near
6 /12/2009	ST9	12:40:00 PM	White-winged Scoter	3	Traveling	Air	Far Distant
6 /12/2009	ST9	12:40:00 PM	Northern Pintail	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /12/2009	ST9	12:40:00 PM	Gull (unidentified)	1	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Whimbrel	1	Traveling	Air	Distant
6 /12/2009	ST9	12:40:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
6 /15/2009	ST1	11:45:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	6	Feeding	Water	Distant
6 /15/2009	ST1	11:45:00 AM	Mew Gull	1	Feeding	Water	Distant
6 /15/2009	ST1	11:45:00 AM	Mew Gull	3	Resting	Sandbar	Far Distant
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /15/2009	ST1	11:45:00 AM	Northern Shoveler	1	Traveling	Air	Near
6 /15/2009	ST1	11:45:00 AM	Yellow Warbler	1	Traveling	Air	Near
6 /15/2009	ST1	11:45:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /15/2009	ST1	11:45:00 AM	Human	1	Traveling	Water	Near
6 /15/2009	ST1	11:45:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Human	11	Subsist	Water	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Northern Shoveler	2	Traveling	Air	Near
6 /15/2009	ST1	11:45:00 AM	Arctic Loon	2	Traveling	Air	Near
6 /15/2009	ST1	11:45:00 AM	Pacific Loon	2	Resting	Water	Far Distant
6 /15/2009	ST1	11:45:00 AM	Red-throated Loon	1	Resting	Water	Far Distant
6 /15/2009	ST1	11:45:00 AM	Human	7	Subsist	Water	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Human	2	Traveling	Water	Near
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	2	Feeding	Water	Distant
6 /15/2009	ST1	11:45:00 AM	Red-tailed Hawk	1	Traveling	Air	Far Distant
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	1	Resting	Sandbar	Distant
6 /15/2009	ST1	11:45:00 AM	Mew Gull	1	Resting	Sandbar	Distant
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	10	Traveling	Air	Far Distant
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	1	Feeding	Water	Distant
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /15/2009	ST1	11:45:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /15/2009	ST1	11:45:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /15/2009	ST1	11:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /15/2009	ST1	11:45:00 AM	Northern Harrier	3	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Human	4	Traveling	Water	Far Distant
6 /15/2009	ST1	11:45:00 AM	Canada Goose	1	Traveling	Air	Distant
6 /15/2009	ST1	11:45:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /15/2009	ST1	11:45:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Plover (unidentified)	2	Traveling	Air	Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /15/2009	ST6	10:08:00 AM	Black Scoter	14	Traveling	Air	Far Distant
6 /15/2009	ST6	10:08:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /15/2009	ST6	10:08:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Black Scoter	4	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Arctic Tern	2	Feeding	Water	Far Distant
6 /15/2009	ST6	10:08:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /15/2009	ST6	10:08:00 AM	Duck (unidentified)	2	Resting	Water	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Arctic Tern	1	Feeding	Water	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Scaup (unidentified)	2	Resting	Land	Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Black Scoter	3	Traveling	Air	Distant
6 /15/2009	ST6	10:08:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /15/2009	ST6	10:08:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /15/2009	ST6	10:08:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /15/2009	ST6	10:08:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /15/2009	ST6	10:08:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Tundra Swan	3	Traveling	Air	Near
6 /15/2009	ST6	10:08:00 AM	Canada Goose	4	Traveling	Air	Distant
6 /15/2009	ST6	10:08:00 AM	Tundra Swan	3	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Northern Pintail	6	Traveling	Air	Far Distant
6 /15/2009	ST6	10:08:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST6	10:08:00 AM	Mew Gull	3	Traveling	Air	Near
6 /15/2009	ST6	10:08:00 AM	Shoveler (unidentified)	1	Traveling	Air	Near
6 /15/2009	ST6	10:08:00 AM	Brant	1	Traveling	Air	Far Distant
6 /15/2009	ST6	10:08:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /15/2009	ST6	10:08:00 AM	Mew Gull	2	Resting	Sandbar	Far Distant
6 /15/2009	ST6	10:08:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Mew Gull	2	Resting	Land	Distant
6 /15/2009	ST7	09:40:00 AM	Gull (unidentified)	3	Resting	Land	Far Distant
6 /15/2009	ST7	09:40:00 AM	Northern Pintail	3	Resting	Water	Near
6 /15/2009	ST7	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /15/2009	ST7	09:40:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Black Scoter	1	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Wilson's (Common) Snipe	1	Breeding	Land	Near
6 /15/2009	ST7	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
6 /15/2009	ST7	09:40:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /15/2009	ST7	09:40:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /15/2009	ST7	09:40:00 AM	Arctic Tern	10	Traveling	Air	Distant
6 /15/2009	ST7	09:40:00 AM	Arctic Tern	5	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /15/2009	ST7	09:40:00 AM	Parasitic Jaeger	5	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Common Raven	3	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Green-winged Teal (?)	1	Traveling	Air	Far Distant
6 /15/2009	ST7	09:40:00 AM	Mew Gull	5	Traveling	Air	Near
6 /15/2009	ST7	09:40:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /15/2009	ST7	09:40:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /15/2009	ST7	09:40:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Greater White-fronted Goose	3	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Gull (unidentified)	2	Resting	Sandbar	Far Distant
6 /15/2009	ST8	11:05:00 AM	Mew Gull	2	Feeding	Sandbar	Near
6 /15/2009	ST8	11:05:00 AM	Mew Gull	6	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Shorebird (unidentified)	15	Feeding	Sandbar	Far Distant
6 /15/2009	ST8	11:05:00 AM	Arctic Tern	3	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /15/2009	ST8	11:05:00 AM	Red-necked Phalarope	2	Traveling	Air	Distant
6 /15/2009	ST8	11:05:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /15/2009	ST8	11:05:00 AM	Least Sandpiper	1	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Greater White-fronted Goose	8	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /15/2009	ST8	11:05:00 AM	Short-eared Owl	1	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Northern Shoveler	1	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Northern Shoveler	2	Traveling	Air	Distant
6 /15/2009	ST8	11:05:00 AM	Long-tailed Jaeger	1	Traveling	Air	Distant
6 /15/2009	ST8	11:05:00 AM	Mew Gull	1	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Parasitic Jaeger	1	Feeding	Sandbar	Distant
6 /15/2009	ST8	11:05:00 AM	Arctic Tern	4	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Green-winged Teal	2	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Bird (unidentified)	15	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Red-necked Phalarope	3	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /15/2009	ST8	11:05:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Bird of Prey (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Parasitic Jaeger	3	Traveling	Air	Distant
6 /15/2009	ST8	11:05:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /15/2009	ST8	11:05:00 AM	Northern Pintail	3	Traveling	Air	Far Distant
6 /15/2009	ST8	11:05:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Human	3	Subsist	Water	Very Far Distant
6 /15/2009	ST8	11:05:00 AM	Least Sandpiper	1	Feeding	Sandbar	Near
6 /15/2009	ST8	11:05:00 AM	Canada Goose	4	Traveling	Air	Far Distant
6 /15/2009	ST9	12:20:00 PM	Northern Pintail	2	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Calidrid Sandpiper	2	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Arctic Tern	4	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Red-necked Phalarope	3	Feeding	Sandbar	Distant
6 /15/2009	ST9	12:20:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /15/2009	ST9	12:20:00 PM	Mew Gull	4	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Gull (unidentified)	11	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Pacific Loon	1	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Pacific Loon	2	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Greater White-fronted Goose	1	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Mew Gull	1	Feeding	Sandbar	Distant
6 /15/2009	ST9	12:20:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Bird (unidentified)	20	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Calidrid Sandpiper	2	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Arctic Tern	5	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Arctic Tern	1	Feeding	Air	Near
6 /15/2009	ST9	12:20:00 PM	Bird (unidentified)	23	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Shorebird (unidentified)	4	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /15/2009	ST9	12:20:00 PM	Northern Pintail	1	Traveling	Air	Far Distant
6 /15/2009	ST9	12:20:00 PM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /15/2009	ST9	12:20:00 PM	Sparrow (unidentified)	1	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Lapland Longspur	1	Breeding	Air	Near
6 /15/2009	ST9	12:20:00 PM	Northern Pintail	3	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Northern Pintail	3	Breeding	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Far Distant
6 /15/2009	ST9	12:20:00 PM	Mew Gull	2	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /15/2009	ST9	12:20:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /15/2009	ST9	12:20:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /15/2009	ST9	12:20:00 PM	Least Sandpiper	1	Feeding	Sandbar	Near
6 /15/2009	ST9	12:20:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
6 /15/2009	ST9	12:20:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /15/2009	ST9	12:20:00 PM	Northern Shoveler	1	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Least Sandpiper	7	Traveling	Air	Near
6 /15/2009	ST9	12:20:00 PM	Passerine (unidentified)	1	Resting	Land	Distant
6 /16/2009	ST1	11:40:00 AM	Human	3	Traveling	Water	Near
6 /16/2009	ST1	11:40:00 AM	Human	9	Subsist	Water	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Human	2	Traveling	Water	Far Distant
6 /16/2009	ST1	11:40:00 AM	Redpoll (unidentified)	7	Traveling	Air	Near
6 /16/2009	ST1	11:40:00 AM	Human	13	Subsist	Water	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Human	3	Subsist	Water	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Arctic Tern	12	Feeding	Water	Distant
6 /16/2009	ST1	11:40:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /16/2009	ST1	11:40:00 AM	Mew Gull	1	Traveling	Air	Near
6 /16/2009	ST1	11:40:00 AM	Human	1	Traveling	Water	Far Distant
6 /16/2009	ST1	11:40:00 AM	Northern Pintail	1	Resting	Land	Near
6 /16/2009	ST1	11:40:00 AM	Pacific Loon	2	Feeding	Water	Far Distant
6 /16/2009	ST1	11:40:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Human	2	Traveling	Water	Near
6 /16/2009	ST1	11:40:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /16/2009	ST1	11:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Yellow Warbler	1	Traveling	Air	Near
6 /16/2009	ST1	11:40:00 AM	Arctic Tern	13	Feeding	Water	Far Distant
6 /16/2009	ST1	11:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /16/2009	ST1	11:40:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /16/2009	ST1	11:40:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /16/2009	ST1	11:40:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /16/2009	ST1	11:40:00 AM	Varied Thrush	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /16/2009	ST1	11:40:00 AM	Human	3	Traveling	Water	Far Distant
6 /16/2009	ST1	11:40:00 AM	Human	2	Traveling	Water	Near
6 /16/2009	ST1	11:40:00 AM	Arctic Tern	9	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /16/2009	ST6	10:18:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	Plover (unidentified)	1	Traveling	Air	Far Distant
6 /16/2009	ST6	10:18:00 AM	Common Loon	1	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Human	2	Subsist	Water	Very Far Distant
6 /16/2009	ST6	10:18:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /16/2009	ST6	10:18:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /16/2009	ST6	10:18:00 AM	Scaup (unidentified)	6	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Arctic Tern	2	Feeding	Water	Far Distant
6 /16/2009	ST6	10:18:00 AM	Human	7	Traveling	Water	Near
6 /16/2009	ST6	10:18:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /16/2009	ST6	10:18:00 AM	Yellow Warbler	1	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	Northern Shoveler	1	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /16/2009	ST6	10:18:00 AM	Mew Gull	1	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /16/2009	ST6	10:18:00 AM	Savannah Sparrow	4	Traveling	Air	Near
6 /16/2009	ST6	10:18:00 AM	Varied Thrush	1	Traveling	Air	Near
6 /16/2009	ST7	10:00:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /16/2009	ST7	10:00:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
6 /16/2009	ST7	10:00:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /16/2009	ST7	10:00:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /16/2009	ST7	10:00:00 AM	Shorebird (unidentified)	1	Traveling	Air	Near
6 /16/2009	ST7	10:00:00 AM	Glaucous Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /16/2009	ST7	10:00:00 AM	Mew Gull	2	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	American Wigeon	2	Traveling	Air	Near
6 /16/2009	ST7	10:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	Common Raven	1	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	Mew Gull	1	Resting	Water	Near
6 /16/2009	ST7	10:00:00 AM	Mew Gull	2	Traveling	Air	Near
6 /16/2009	ST7	10:00:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /16/2009	ST7	10:00:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	Arctic Tern	1	Feeding	Air	Near
6 /16/2009	ST7	10:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	Greater Scaup	1	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	Human	3	Traveling	Water	Near
6 /16/2009	ST7	10:00:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /16/2009	ST7	10:00:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /16/2009	ST7	10:00:00 AM	Mew Gull	6	Feeding	Air	Near
6 /16/2009	ST7	10:00:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /16/2009	ST7	10:00:00 AM	Arctic Tern	4	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /16/2009	ST8	12:00:00 PM	Sparrow (unidentified)	1	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Red-necked Phalarope	1	Breeding	Land	Near
6 /16/2009	ST8	12:00:00 PM	Calidrid Sandpiper	2	Feeding	Sandbar	Near
6 /16/2009	ST8	12:00:00 PM	Sabine's Gull	1	Resting	Sandbar	Distant
6 /16/2009	ST8	12:00:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Arctic Tern	14	Feeding	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Northern Harrier	1	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Red-necked Phalarope	2	Resting	Sandbar	Near
6 /16/2009	ST8	12:00:00 PM	Red-necked Phalarope	1	Resting	Water	Near
6 /16/2009	ST8	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /16/2009	ST8	12:00:00 PM	Human	1	Traveling	Water	Very Far Distant
6 /16/2009	ST8	12:00:00 PM	Arctic Tern	3	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /16/2009	ST8	12:00:00 PM	Mew Gull	4	Resting	Sandbar	Near
6 /16/2009	ST8	12:00:00 PM	Parasitic Jaeger	2	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Greater Scaup	1	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Yellow Warbler	1	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Mew Gull	4	Feeding	Sandbar	Near
6 /16/2009	ST8	12:00:00 PM	Northern Pintail	5	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Greater White-fronted Goose	3	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Mallard	1	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Gull (unidentified)	1	Resting	Sandbar	Distant
6 /16/2009	ST8	12:00:00 PM	Mew Gull	9	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Calidrid Sandpiper	7	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Mew Gull	4	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Arctic Tern	3	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Arctic Tern	4	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Dowitcher (unidentified)	3	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Calidrid Sandpiper	1	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /16/2009	ST8	12:00:00 PM	Passerine (unidentified)	1	Traveling	Air	Near
6 /16/2009	ST8	12:00:00 PM	Arctic Tern	4	Resting	Sandbar	Distant
6 /16/2009	ST9	12:55:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /16/2009	ST9	12:55:00 PM	Dunlin	1	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Black Scoter	2	Resting	Water	Distant
6 /16/2009	ST9	12:55:00 PM	Red-necked Phalarope	6	Feeding	Sandbar	Near
6 /16/2009	ST9	12:55:00 PM	Calidrid Sandpiper	2	Feeding	Sandbar	Near
6 /16/2009	ST9	12:55:00 PM	Mew Gull	1	Resting	Sandbar	Near
6 /16/2009	ST9	12:55:00 PM	Mew Gull	1	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Red-necked Phalarope	2	Feeding	Sandbar	Near
6 /16/2009	ST9	12:55:00 PM	Gull (unidentified)	9	Resting	Sandbar	Very Far Distant
6 /16/2009	ST9	12:55:00 PM	Bird (unidentified)	1	Traveling	Air	Far Distant
6 /16/2009	ST9	12:55:00 PM	Calidrid Sandpiper	3	Breeding	Air	Near
6 /16/2009	ST9	12:55:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /16/2009	ST9	12:55:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /16/2009	ST9	12:55:00 PM	Northern Shoveler	1	Traveling	Air	Distant
6 /16/2009	ST9	12:55:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /16/2009	ST9	12:55:00 PM	Shorebird (unidentified)	4	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Gull (unidentified)	2	Resting	Sandbar	Far Distant
6 /16/2009	ST9	12:55:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /16/2009	ST9	12:55:00 PM	Savannah Sparrow	1	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Greater White-fronted Goose	4	Resting	Sandbar	Distant
6 /16/2009	ST9	12:55:00 PM	Gull (unidentified)	1	Traveling	Air	Distant
6 /16/2009	ST9	12:55:00 PM	Human	2	Subsist	Water	Far Distant
6 /16/2009	ST9	12:55:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Far Distant
6 /16/2009	ST9	12:55:00 PM	Mew Gull	2	Traveling	Air	Distant
6 /16/2009	ST9	12:55:00 PM	Lapland Longspur	2	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Least Sandpiper	2	Breeding	Air	Near
6 /16/2009	ST9	12:55:00 PM	Bird (unidentified)	5	Traveling	Air	Far Distant
6 /16/2009	ST9	12:55:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /16/2009	ST9	12:55:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /16/2009	ST9	12:55:00 PM	Red-necked Phalarope	9	Traveling	Air	Near
6 /16/2009	ST9	12:55:00 PM	Passerine (unidentified)	6	Traveling	Air	Distant
6 /16/2009	ST9	12:55:00 PM	Shorebird (unidentified)	8	Traveling	Air	Distant
6 /16/2009	ST9	12:55:00 PM	Shorebird (unidentified)	10	Feeding	Sandbar	Distant
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	3	Traveling	Air	Distant
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	12	Traveling	Air	Distant
6 /17/2009	ST1	12:06:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	2	Feeding	Water	Near
6 /17/2009	ST1	12:06:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	4	Traveling	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Northern Shoveler	1	Traveling	Air	Near
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	15	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Goose (unidentified)	10	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	5	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Redpoll (unidentified)	5	Traveling	Air	Near
6 /17/2009	ST1	12:06:00 PM	Passerine (unidentified)	4	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Mew Gull	1	Traveling	Air	Far Distant
6 /17/2009	ST1	12:06:00 PM	Yellow Warbler	1	Traveling	Air	Near
6 /17/2009	ST1	12:06:00 PM	Common Raven	1	Resting	Land	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	7	Subsist	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	6	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Northern Pintail	2	Traveling	Air	Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	5	Traveling	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	3	Traveling	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Northern Pintail	1	Traveling	Air	Near
6 /17/2009	ST1	12:06:00 PM	American Tree Sparrow	2	Traveling	Air	Far Distant
6 /17/2009	ST1	12:06:00 PM	Mew Gull	1	Traveling	Air	Near
6 /17/2009	ST1	12:06:00 PM	Bald Eagle	2	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Northern Shoveler	1	Traveling	Air	Near
6 /17/2009	ST1	12:06:00 PM	Human	4	Subsist	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /17/2009	ST1	12:06:00 PM	White-winged Scoter	1	Traveling	Air	Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	9	Subsist	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	6	Feeding	Water	Far Distant
6 /17/2009	ST1	12:06:00 PM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Northern Pintail	2	Traveling	Air	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /17/2009	ST1	12:06:00 PM	Golden Eagle	1	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Redpoll (unidentified)	12	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Short-eared Owl	1	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Black Scoter	8	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /17/2009	ST6	10:40:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Black Scoter	3	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	American Wigeon	2	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Northern Shoveler	1	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /17/2009	ST6	10:40:00 AM	Canada Goose	2	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Brant	8	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Mew Gull	3	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Arctic Tern	2	Resting	Water	Far Distant
6 /17/2009	ST6	10:40:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Shorebird (unidentified)	8	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Rusty Blackbird	1	Resting	Land	Near
6 /17/2009	ST6	10:40:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Mallard	8	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Human	6	Subsist	Water	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	American Tree Sparrow	4	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Common Loon	1	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Varied Thrush	1	Resting	Land	Near
6 /17/2009	ST6	10:40:00 AM	Passerine (unidentified)	4	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
6 /17/2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Arctic Tern	1	Feeding	Water	Far Distant
6 /17/2009	ST6	10:40:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Tundra Swan	11	Traveling	Air	Very Far Distant
6 /17/2009	ST6	10:40:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
6 /17/2009	ST6	10:40:00 AM	Common Raven	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /17/2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /17/2009	ST6	10:40:00 AM	Black Scoter	3	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Bank Swallow	1	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Mew Gull	2	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Sabine's Gull	1	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Arctic Tern	2	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /17/2009	ST7	02:30:00 PM	Passerine (unidentified)	1	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Glaucous Gull	2	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Gull (unidentified)	5	Resting	Land	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	White-winged Scoter	5	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Northern Pintail	1	Resting	Sandbar	Distant
6 /17/2009	ST7	02:30:00 PM	Northern Shoveler	1	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Northern Pintail	2	Traveling	Air	Far Distant
6 /17/2009	ST7	02:30:00 PM	Canada Goose	1	Traveling	Air	Far Distant
6 /17/2009	ST7	02:30:00 PM	Swan (unidentified)	3	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Bird (unidentified)	11	Resting	Sandbar	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /17/2009	ST7	02:30:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /17/2009	ST7	02:30:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Far Distant
6 /17/2009	ST7	02:30:00 PM	Mew Gull	2	Resting	Sandbar	Distant
6 /17/2009	ST7	02:30:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Bank Swallow	1	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Swan (unidentified)	3	Resting	Land	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /17/2009	ST7	02:30:00 PM	Gull (unidentified)	9	Resting	Land	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Parasitic Jaeger	1	Resting	Water	Distant
6 /17/2009	ST7	02:30:00 PM	Mew Gull	12	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Tundra Swan	1	Traveling	Air	Distant
6 /17/2009	ST7	02:30:00 PM	Sandhill Crane	1	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Duck (unidentified)	3	Resting	Sandbar	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Black Scoter	4	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Parasitic Jaeger	3	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Shorebird (unidentified)	4	Resting	Sandbar	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /17/2009	ST7	02:30:00 PM	Common Raven	2	Traveling	Air	Near
6 /17/2009	ST7	02:30:00 PM	Mew Gull	2	Traveling	Air	Distant
6 /17/2009	ST8	01:10:00 PM	Red-throated Loon	1	Resting	Water	Distant
6 /17/2009	ST8	01:10:00 PM	Mew Gull	4	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Mew Gull	1	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Human	6	Subsist	Water	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Glaucous Gull	2	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Least/Semipalmated/Western Sandpiper	2	Breeding	Air	Near
6 /17/2009	ST8	01:10:00 PM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /17/2009	ST8	01:10:00 PM	Arctic Tern	8	Traveling	Air	Far Distant
6 /17/2009	ST8	01:10:00 PM	Northern Pintail	4	Resting	Sandbar	Distant
6 /17/2009	ST8	01:10:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Arctic Tern	3	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Savannah Sparrow	1	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Least Sandpiper	1	Feeding	Sandbar	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /17/2009	ST8	01:10:00 PM	Parasitic Jaeger	3	Traveling	Air	Far Distant
6 /17/2009	ST8	01:10:00 PM	Northern Pintail	3	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /17/2009	ST8	01:10:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /17/2009	ST8	01:10:00 PM	Least Sandpiper	2	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Swan (unidentified)	1	Resting	Land	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Common Raven	1	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Tern (unidentified)	2	Traveling	Air	Distant
6 /17/2009	ST8	01:10:00 PM	Northern Shoveler	1	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /17/2009	ST8	01:10:00 PM	Least Sandpiper	2	Breeding	Sandbar	Distant
6 /17/2009	ST8	01:10:00 PM	Calidrid Sandpiper	4	Resting	Sandbar	Distant
6 /17/2009	ST8	01:10:00 PM	Mew Gull	8	Resting	Sandbar	Near
6 /17/2009	ST8	01:10:00 PM	Red-necked Phalarope	6	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Human	1	Traveling	Water	Near
6 /17/2009	ST8	01:10:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Parasitic Jaeger	3	Traveling	Air	Far Distant
6 /17/2009	ST8	01:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /17/2009	ST8	01:10:00 PM	Least/Semipalmated/Western Sandpiper	3	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Red-necked Phalarope	3	Feeding	Sandbar	Near
6 /17/2009	ST8	01:10:00 PM	Parasitic Jaeger	1	Resting	Water	Distant
6 /17/2009	ST8	01:10:00 PM	Northern Pintail	4	Resting	Water	Distant
6 /17/2009	ST8	01:10:00 PM	Mew Gull	2	Resting	Water	Distant
6 /17/2009	ST8	01:10:00 PM	Tundra Swan	7	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /17/2009	ST8	01:10:00 PM	Human	6	Subsist	Water	Far Distant
6 /17/2009	ST8	01:10:00 PM	Red-necked Phalarope	1	Feeding	Water	Distant
6 /17/2009	ST8	01:10:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Human	1	Traveling	Water	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Glaucous-winged Gull	1	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Mew Gull	2	Traveling	Air	Near
6 /17/2009	ST8	01:10:00 PM	Arctic Tern	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /17/2009	ST8	01:10:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /17/2009	ST8	01:10:00 PM	Canada Goose	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Northern Shoveler	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Mew Gull	3	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Redpoll (unidentified)	6	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Dunlin	4	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Far Distant
6 /17/2009	ST9	12:00:00 PM	Common Raven	1	Traveling	Air	Far Distant
6 /17/2009	ST9	12:00:00 PM	Arctic Tern	2	Feeding	Air	Near
6 /17/2009	ST9	12:00:00 PM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
6 /17/2009	ST9	12:00:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Mew Gull	1	Feeding	Air	Near
6 /17/2009	ST9	12:00:00 PM	Red-necked Phalarope	2	Feeding	Sandbar	Near
6 /17/2009	ST9	12:00:00 PM	Passerine (unidentified)	1	Resting	Land	Near
6 /17/2009	ST9	12:00:00 PM	Parasitic Jaeger	2	Resting	Sandbar	Near
6 /17/2009	ST9	12:00:00 PM	Human	3	Subsist	Water	Very Far Distant
6 /17/2009	ST9	12:00:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /17/2009	ST9	12:00:00 PM	Loon (unidentified)	1	Feeding	Water	Far Distant
6 /17/2009	ST9	12:00:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /17/2009	ST9	12:00:00 PM	Mew Gull	1	Resting	Water	Far Distant
6 /17/2009	ST9	12:00:00 PM	Arctic Tern	2	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /17/2009	ST9	12:00:00 PM	Pacific Loon	2	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Canada Goose	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Dunlin	2	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /17/2009	ST9	12:00:00 PM	Arctic Tern	2	Resting	Sandbar	Near
6 /17/2009	ST9	12:00:00 PM	Western Sandpiper	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Greater White-fronted Goose	2	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /17/2009	ST9	12:00:00 PM	Greater White-fronted Goose	5	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /17/2009	ST9	12:00:00 PM	Northern Pintail	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /17/2009	ST9	12:00:00 PM	Red-throated Loon	1	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Mew Gull	2	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Red-throated Loon	1	Resting	Water	Far Distant
6 /17/2009	ST9	12:00:00 PM	Northern Pintail	2	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Pacific Loon	1	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Greater White-fronted Goose	2	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Green-winged Teal	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Least Sandpiper	1	Breeding	Land	Near
6 /17/2009	ST9	12:00:00 PM	Parasitic Jaeger	2	Resting	Water	Far Distant
6 /17/2009	ST9	12:00:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Passerine (unidentified)	12	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /17/2009	ST9	12:00:00 PM	Common Merganser	5	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /17/2009	ST9	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /17/2009	ST9	12:00:00 PM	Mew Gull	8	Traveling	Air	Near
6 /17/2009	ST9	12:00:00 PM	Black Scoter	3	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Gull (unidentified)	11	Resting	Sandbar	Very Far Distant
6 /17/2009	ST9	12:00:00 PM	Canada Goose	2	Traveling	Air	Distant
6 /17/2009	ST9	12:00:00 PM	Gull (unidentified)	3	Resting	Sandbar	Distant
6 /18/2009	ST1	11:44:00 AM	Human	3	Traveling	Water	Far Distant
6 /18/2009	ST1	11:44:00 AM	Common Raven	1	Resting	Land	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /18/2009	ST1	11:44:00 AM	Rusty Blackbird	1	Resting	Land	Distant
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Feeding	Water	Far Distant
6 /18/2009	ST1	11:44:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /18/2009	ST1	11:44:00 AM	Human	3	Traveling	Water	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Passerine (unidentified)	2	Traveling	Air	Far Distant
6 /18/2009	ST1	11:44:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /18/2009	ST1	11:44:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /18/2009	ST1	11:44:00 AM	Human	7	Subsist	Water	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Arctic Tern	7	Traveling	Air	Distant
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Near
6 /18/2009	ST1	11:44:00 AM	Human	6	Subsist	Water	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Human	7	Subsist	Water	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /18/2009	ST1	11:44:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Far Distant
6 /18/2009	ST1	11:44:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /18/2009	ST1	11:44:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Near
6 /18/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Common Raven	1	Resting	Land	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Rusty Blackbird	1	Traveling	Air	Far Distant
6 /18/2009	ST1	11:44:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /18/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Near
6 /18/2009	ST1	11:44:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /18/2009	ST1	11:44:00 AM	Human	3	Traveling	Water	Far Distant
6 /18/2009	ST1	11:44:00 AM	Passerine (unidentified)	4	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /18/2009	ST1	11:44:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
6 /18/2009	ST6	10:15:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
6 /18/2009	ST6	10:15:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Pacific Loon	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /18/2009	ST6	10:15:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /18/2009	ST6	10:15:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Canada Goose	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Mew Gull	2	Traveling	Air	Far Distant
6 /18/2009	ST6	10:15:00 AM	Parasitic Jaeger	3	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Brant	6	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Yellow Warbler	3	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /18/2009	ST6	10:15:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Sandhill Crane	5	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /18/2009	ST6	10:15:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Far Distant
6 /18/2009	ST6	10:15:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Red-breasted Merganser	1	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Rusty Blackbird	1	Resting	Land	Near
6 /18/2009	ST6	10:15:00 AM	Mew Gull	4	Feeding	Water	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Human	3	Subsist	Water	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Northern Shoveler	2	Traveling	Air	Far Distant
6 /18/2009	ST6	10:15:00 AM	Canada Goose	2	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Tundra Swan	2	Resting	Water	Distant
6 /18/2009	ST6	10:15:00 AM	Arctic Tern	3	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /18/2009	ST6	10:15:00 AM	Bald Eagle	1	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Canada Goose	14	Traveling	Air	Very Far Distant
6 /18/2009	ST6	10:15:00 AM	Rusty Blackbird	1	Resting	Land	Distant
6 /18/2009	ST6	10:15:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Rusty Blackbird	1	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Glaucous Gull	2	Traveling	Air	Near
6 /18/2009	ST6	10:15:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Greater White-fronted Goose	11	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Mew Gull	19	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Bird (unidentified)	10	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Canada Goose	3	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Green-winged Teal	1	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Savannah Sparrow	1	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Canada Goose	10	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /18/2009	ST7	01:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Goose (unidentified)	2	Resting	Sandbar	Far Distant
6 /18/2009	ST7	01:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Goose (unidentified)	1	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Gull (unidentified)	2	Resting	Land	Far Distant
6 /18/2009	ST7	01:00:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Glaucous Gull	1	Traveling	Air	Distant
6 /18/2009	ST7	01:00:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /18/2009	ST7	01:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Human	1	Traveling	Water	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Mew Gull	2	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /18/2009	ST7	01:00:00 PM	Greater Scaup	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /18/2009	ST7	01:00:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /18/2009	ST7	01:00:00 PM	Northern Pintail	1	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Gull (unidentified)	13	Traveling	Air	Very Far Distant
6 /18/2009	ST7	01:00:00 PM	Greater White-fronted Goose	4	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Sparrow (unidentified)	4	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Gull (unidentified)	3	Traveling	Air	Far Distant
6 /18/2009	ST7	01:00:00 PM	Bald Eagle	1	Traveling	Air	Near
6 /18/2009	ST7	01:00:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Waterfowl (unidentified)	8	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Bird (unidentified)	15	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Canada Goose	5	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Mallard	2	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	6	Traveling	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Bird (unidentified)	23	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Mew Gull	2	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Mew Gull	1	Feeding	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Bird (unidentified)	37	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Mew Gull	2	Traveling	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Calidrid Sandpiper	1	Feeding	Sandbar	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /18/2009	ST8	11:20:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	2	Resting	Water	Near
6 /18/2009	ST8	11:20:00 AM	Green-winged Teal	3	Breeding	Air	Near
6 /18/2009	ST8	11:20:00 AM	Red-necked Phalarope	4	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	3	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Mew Gull	6	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Red-necked Phalarope	5	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Glaucous Gull	3	Resting	Sandbar	Near
6 /18/2009	ST8	11:20:00 AM	Calidrid Sandpiper	5	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Parasitic Jaeger	3	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Black-bellied Plover	1	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Northern Pintail	2	Traveling	Air	Distant
6 /18/2009	ST8	11:20:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Calidrid Sandpiper	2	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /18/2009	ST8	11:20:00 AM	Human	4	Subsist	Water	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Jaeger (unidentified)	1	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /18/2009	ST8	11:20:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
6 /18/2009	ST8	11:20:00 AM	Mew Gull	7	Resting	Sandbar	Near
6 /18/2009	ST8	11:20:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
6 /18/2009	ST9	10:10:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /18/2009	ST9	10:10:00 AM	Glaucous Gull	2	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Mew Gull	4	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Northern Shoveler	2	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Tundra Swan	5	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /18/2009	ST9	10:10:00 AM	Dowitcher (unidentified)	1	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Loon (unidentified)	2	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Dunlin	4	Breeding	Air	Near
6 /18/2009	ST9	10:10:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Red-throated Loon	1	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /18/2009	ST9	10:10:00 AM	Pacific Loon	1	Feeding	Water	Distant
6 /18/2009	ST9	10:10:00 AM	Mew Gull	1	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Swan (unidentified)	3	Resting	Water	Distant
6 /18/2009	ST9	10:10:00 AM	Lapland Longspur	1	Resting	Land	Near
6 /18/2009	ST9	10:10:00 AM	Passerine (unidentified)	8	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Parasitic Jaeger	4	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Bird (unidentified)	16	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Goose (unidentified)	2	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Gull (unidentified)	2	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Common Raven	2	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Arctic Tern	1	Feeding	Air	Near
6 /18/2009	ST9	10:10:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /18/2009	ST9	10:10:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Parasitic Jaeger	2	Resting	Water	Distant
6 /18/2009	ST9	10:10:00 AM	Mew Gull	3	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Mew Gull	7	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Red-necked Phalarope	2	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /18/2009	ST9	10:10:00 AM	Shorebird (unidentified)	5	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Black Scoter	4	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /18/2009	ST9	10:10:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Pelagic Cormorant	1	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Bird (unidentified)	15	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /18/2009	ST9	10:10:00 AM	Arctic Tern	5	Traveling	Air	Far Distant
6 /18/2009	ST9	10:10:00 AM	Surf Scoter	3	Traveling	Air	Near
6 /18/2009	ST9	10:10:00 AM	Arctic Tern	7	Traveling	Air	Distant
6 /19/2009	ST1	12:10:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /19/2009	ST1	12:10:00 PM	Arctic Tern	2	Resting	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Human	2	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /19/2009	ST1	12:10:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Black Scoter	2	Resting	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Pelagic Cormorant	1	Traveling	Air	Near
6 /19/2009	ST1	12:10:00 PM	Black Scoter	12	Resting	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Human	3	Subsist	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Human	2	Subsist	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Passerine (unidentified)	3	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Mew Gull	1	Resting	Sandbar	Far Distant
6 /19/2009	ST1	12:10:00 PM	Mew Gull	1	Traveling	Air	Near
6 /19/2009	ST1	12:10:00 PM	Arctic Tern	3	Feeding	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Redpoll (unidentified)	5	Traveling	Air	Near
6 /19/2009	ST1	12:10:00 PM	Arctic Tern	12	Traveling	Air	Far Distant
6 /19/2009	ST1	12:10:00 PM	Human	4	Traveling	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Common Loon	1	Traveling	Air	Distant
6 /19/2009	ST1	12:10:00 PM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Human	8	Subsist	Water	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Human	1	Traveling	Water	Far Distant
6 /19/2009	ST1	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Arctic Tern	1	Feeding	Water	Distant
6 /19/2009	ST1	12:10:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /19/2009	ST1	12:10:00 PM	Common Raven	5	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Arctic Tern	12	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST1	12:10:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /19/2009	ST1	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /19/2009	ST1	12:10:00 PM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Arctic Tern	4	Feeding	Water	Distant
6 /19/2009	ST6	10:34:00 AM	Mew Gull	3	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Northern Shoveler	1	Traveling	Air	Near
6 /19/2009	ST6	10:34:00 AM	White-winged Scoter	11	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Gull (unidentified)	3	Resting	Water	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Brant	6	Traveling	Air	Far Distant
6 /19/2009	ST6	10:34:00 AM	Northern Pintail	5	Traveling	Air	Far Distant
6 /19/2009	ST6	10:34:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Greater White-fronted Goose	1	Traveling	Air	Far Distant
6 /19/2009	ST6	10:34:00 AM	Rusty Blackbird	1	Traveling	Air	Near
6 /19/2009	ST6	10:34:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /19/2009	ST6	10:34:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /19/2009	ST6	10:34:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Black Scoter	5	Traveling	Air	Distant
6 /19/2009	ST6	10:34:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Long-tailed Jaeger	1	Traveling	Air	Far Distant
6 /19/2009	ST6	10:34:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Mew Gull	1	Traveling	Air	Near
6 /19/2009	ST6	10:34:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /19/2009	ST6	10:34:00 AM	Golden Eagle	1	Traveling	Air	Far Distant
6 /19/2009	ST6	10:34:00 AM	Pacific Loon	1	Feeding	Water	Distant
6 /19/2009	ST6	10:34:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /19/2009	ST6	10:34:00 AM	Human	4	Subsist	Water	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Human	4	Traveling	Water	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Parasitic Jaeger	3	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST6	10:34:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Savannah Sparrow	4	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /19/2009	ST7	09:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /19/2009	ST7	09:55:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Dunlin	1	Traveling	Air	Near
6 /19/2009	ST7	09:55:00 AM	Red-throated Loon	1	Traveling	Air	Near
6 /19/2009	ST7	09:55:00 AM	Canada Goose	2	Traveling	Air	Distant
6 /19/2009	ST7	09:55:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /19/2009	ST7	09:55:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Greater White-fronted Goose	4	Traveling	Air	Distant
6 /19/2009	ST7	09:55:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /19/2009	ST7	09:55:00 AM	Dunlin	4	Breeding	Air	Near
6 /19/2009	ST7	09:55:00 AM	Mew Gull	3	Traveling	Air	Near
6 /19/2009	ST7	09:55:00 AM	Red-throated Loon	1	Resting	Water	Distant
6 /19/2009	ST7	09:55:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /19/2009	ST7	09:55:00 AM	Swallow (unidentified)	1	Traveling	Air	Far Distant
6 /19/2009	ST7	09:55:00 AM	Gull (unidentified)	5	Traveling	Air	Far Distant
6 /19/2009	ST7	09:55:00 AM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
6 /19/2009	ST7	09:55:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
6 /19/2009	ST7	09:55:00 AM	Arctic Tern	4	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /19/2009	ST8	11:20:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Surf Scoter	6	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Mew Gull	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /19/2009	ST8	11:20:00 AM	Savannah Sparrow	3	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Calidrid Sandpiper	2	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Redpoll (unidentified)	7	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Bird (unidentified)	35	Traveling	Air	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Arctic Tern	6	Traveling	Air	Distant
6 /19/2009	ST8	11:20:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /19/2009	ST8	11:20:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /19/2009	ST8	11:20:00 AM	Passerine (unidentified)	2	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Pacific Loon	5	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Mew Gull	6	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Human	2	Traveling	Water	Near
6 /19/2009	ST8	11:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /19/2009	ST8	11:20:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /19/2009	ST8	11:20:00 AM	Arctic Tern	1	Feeding	Air	Near
6 /19/2009	ST8	11:20:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST8	11:20:00 AM	Human	1	Subsist	Water	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /19/2009	ST9	12:35:00 PM	Lapland Longspur	1	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Arctic Tern	5	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /19/2009	ST9	12:35:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Glaucous/Glaucous-winged Gull	1	Feeding	Sandbar	Distant
6 /19/2009	ST9	12:35:00 PM	Gull (unidentified)	15	Resting	Land	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Arctic Tern	3	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Glaucous Gull	3	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Greater White-fronted Goose	2	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Black Scoter	1	Resting	Water	Distant
6 /19/2009	ST9	12:35:00 PM	Pacific Loon	3	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Western Sandpiper	1	Resting	Land	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /19/2009	ST9	12:35:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Northern Pintail	2	Traveling	Air	Far Distant
6 /19/2009	ST9	12:35:00 PM	Calidrid Sandpiper	2	Feeding	Sandbar	Distant
6 /19/2009	ST9	12:35:00 PM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Mew Gull	2	Traveling	Air	Far Distant
6 /19/2009	ST9	12:35:00 PM	Calidrid Sandpiper	2	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Passerine (unidentified)	3	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Dunlin	4	Breeding	Air	Near
6 /19/2009	ST9	12:35:00 PM	Dunlin	1	Resting	Land	Near
6 /19/2009	ST9	12:35:00 PM	Least/Semipalmated/Western Sandpiper	2	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Parasitic Jaeger	2	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Mew Gull	1	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /19/2009	ST9	12:35:00 PM	Mew Gull	1	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /19/2009	ST9	12:35:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /19/2009	ST9	12:35:00 PM	Calidrid Sandpiper	2	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Northern Pintail	2	Traveling	Air	Near
6 /19/2009	ST9	12:35:00 PM	Arctic Tern	4	Traveling	Air	Distant
6 /19/2009	ST9	12:35:00 PM	Passerine (unidentified)	1	Resting	Land	Distant
6 /22/2009	ST6	12:52:00 PM	Passerine (unidentified)	2	Traveling	Air	Far Distant
6 /22/2009	ST6	12:52:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /22/2009	ST6	12:52:00 PM	Yellow Warbler	2	Traveling	Air	Near
6 /22/2009	ST6	12:52:00 PM	Gull (unidentified)	5	Traveling	Air	Far Distant
6 /22/2009	ST6	12:52:00 PM	Human	1	Subsist	Water	Very Far Distant
6 /22/2009	ST6	12:52:00 PM	Plover (unidentified)	1	Traveling	Air	Far Distant
6 /22/2009	ST6	12:52:00 PM	American Tree Sparrow	2	Traveling	Air	Near
6 /22/2009	ST6	12:52:00 PM	Mew Gull	2	Traveling	Air	Near
6 /22/2009	ST6	12:52:00 PM	Human	2	Traveling	Water	Near
6 /22/2009	ST6	12:52:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
6 /22/2009	ST6	12:52:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /22/2009	ST6	12:52:00 PM	Rusty Blackbird	5	Traveling	Air	Near
6 /22/2009	ST6	12:52:00 PM	Arctic Tern	4	Traveling	Air	Distant
6 /22/2009	ST6	12:52:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /22/2009	ST6	12:52:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /22/2009	ST6	12:52:00 PM	American Tree Sparrow	4	Traveling	Air	Near
6 /22/2009	ST6	12:52:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /23/2009	ST1	12:25:00 PM	Human	2	Subsist	Water	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Arctic Tern	1	Feeding	Water	Far Distant
6 /23/2009	ST1	12:25:00 PM	Human	3	Traveling	Water	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /23/2009	ST1	12:25:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /23/2009	ST1	12:25:00 PM	Mew Gull	1	Traveling	Air	Far Distant
6 /23/2009	ST1	12:25:00 PM	Brant	4	Traveling	Air	Far Distant
6 /23/2009	ST1	12:25:00 PM	Mew Gull	2	Resting	Sandbar	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Long-tailed Jaeger	1	Traveling	Air	Far Distant
6 /23/2009	ST1	12:25:00 PM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST1	12:25:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST1	12:25:00 PM	Arctic Tern	2	Traveling	Air	Near
6 /23/2009	ST1	12:25:00 PM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST1	12:25:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Human	2	Traveling	Water	Near
6 /23/2009	ST1	12:25:00 PM	Human	2	Traveling	Water	Near
6 /23/2009	ST1	12:25:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /23/2009	ST1	12:25:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /23/2009	ST1	12:25:00 PM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST1	12:25:00 PM	Gull (unidentified)	1	Resting	Land	Far Distant
6 /23/2009	ST1	12:25:00 PM	American Tree Sparrow	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /23/2009	ST1	12:25:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /23/2009	ST1	12:25:00 PM	Human	1	Traveling	Water	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Arctic Tern	3	Traveling	Air	Distant
6 /23/2009	ST1	12:25:00 PM	Mew Gull	2	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /23/2009	ST1	12:25:00 PM	Human	1	Traveling	Water	Far Distant
6 /23/2009	ST1	12:25:00 PM	Arctic Tern	4	Feeding	Water	Far Distant
6 /23/2009	ST6	10:41:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Mew Gull	2	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Yellow Warbler	1	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Glaucous Gull	2	Traveling	Air	Distant
6 /23/2009	ST6	10:41:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Mew Gull	2	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Common Loon	1	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /23/2009	ST6	10:41:00 AM	Black-bellied Plover	1	Resting	Sandbar	Far Distant
6 /23/2009	ST6	10:41:00 AM	Redpoll (unidentified)	7	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Redpoll (unidentified)	1	Traveling	Air	Distant
6 /23/2009	ST6	10:41:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Mew Gull	15	Resting	Sandbar	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Parasitic Jaeger	3	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Common Loon	1	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /23/2009	ST6	10:41:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Canada Goose	8	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Mew Gull	5	Resting	Sandbar	Far Distant
6 /23/2009	ST6	10:41:00 AM	Varied Thrush	2	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Gull (unidentified)	8	Resting	Land	Very Far Distant
6 /23/2009	ST6	10:41:00 AM	Mew Gull	3	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Northern Shoveler	2	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Glaucous Gull	2	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Northern Shoveler	1	Resting	Water	Far Distant
6 /23/2009	ST6	10:41:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /23/2009	ST6	10:41:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /23/2009	ST6	10:41:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /23/2009	ST7	12:40:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /23/2009	ST7	12:40:00 PM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Waterfowl (unidentified)	10	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Greater Scaup	2	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /23/2009	ST7	12:40:00 PM	Northern Shoveler	2	Breeding	Air	Far Distant
6 /23/2009	ST7	12:40:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Mew Gull	1	Feeding	Air	Near
6 /23/2009	ST7	12:40:00 PM	Mew Gull	5	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Passerine (unidentified)	1	Traveling	Air	Distant
6 /23/2009	ST7	12:40:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /23/2009	ST7	12:40:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Northern Pintail	1	Resting	Water	Distant
6 /23/2009	ST7	12:40:00 PM	Northern Pintail	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /23/2009	ST7	12:40:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /23/2009	ST7	12:40:00 PM	Mallard	1	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Scoter (?)	1	Traveling	Air	Far Distant
6 /23/2009	ST7	12:40:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /23/2009	ST7	12:40:00 PM	Sparrow (unidentified)	2	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Black-bellied Plover	1	Traveling	Air	Near
6 /23/2009	ST7	12:40:00 PM	Arctic Tern	1	Feeding	Air	Distant
6 /23/2009	ST7	12:40:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /23/2009	ST7	12:40:00 PM	Northern Pintail	2	Traveling	Air	Distant
6 /23/2009	ST7	12:40:00 PM	Greater White-fronted Goose	2	Traveling	Air	Distant
6 /23/2009	ST8	11:20:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Scoter (unidentified)	7	Traveling	Air	Far Distant
6 /23/2009	ST8	11:20:00 AM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /23/2009	ST8	11:20:00 AM	Gull (unidentified)	15	Traveling	Air	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Arctic Tern	5	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
6 /23/2009	ST8	11:20:00 AM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Whimbrel	1	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Duck (unidentified)	10	Traveling	Air	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Mew Gull	2	Feeding	Air	Near
6 /23/2009	ST8	11:20:00 AM	Human	2	Traveling	Water	Distant
6 /23/2009	ST8	11:20:00 AM	Savannah Sparrow	1	Resting	Land	Near
6 /23/2009	ST8	11:20:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Savannah Sparrow	9	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Human	6	Traveling	Water	Distant
6 /23/2009	ST8	11:20:00 AM	Greater Scaup	1	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Least/Semipalmated/Western Sandpiper	3	Resting	Land	Near
6 /23/2009	ST8	11:20:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Pacific Loon	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /23/2009	ST8	11:20:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /23/2009	ST8	11:20:00 AM	Calidrid Sandpiper	3	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Seal (unidentified)	1	Traveling	Water	Near
6 /23/2009	ST8	11:20:00 AM	Black Scoter	7	Traveling	Air	Distant
6 /23/2009	ST8	11:20:00 AM	Red-necked Phalarope	5	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Least/Semipalmated/Western Sandpiper	3	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Sabine's Gull	5	Traveling	Air	Distant
6 /23/2009	ST8	11:20:00 AM	Mew Gull	2	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /23/2009	ST8	11:20:00 AM	Pacific Loon	4	Traveling	Air	Near
6 /23/2009	ST8	11:20:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /23/2009	ST8	11:20:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Redpoll (unidentified)	1	Resting	Land	Near
6 /23/2009	ST9	10:10:00 AM	Black Scoter	1	Resting	Water	Distant
6 /23/2009	ST9	10:10:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Shorebird (unidentified)	4	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Duck (unidentified)	18	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Merganser (unidentified)	1	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Gull (unidentified)	6	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Human	2	Traveling	Water	Far Distant
6 /23/2009	ST9	10:10:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Mew Gull	2	Resting	Water	Distant
6 /23/2009	ST9	10:10:00 AM	Mew Gull	1	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Mew Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /23/2009	ST9	10:10:00 AM	Canada Goose	7	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Greater White-fronted Goose	21	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Human	2	Traveling	Water	Far Distant
6 /23/2009	ST9	10:10:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Northern Shoveler	2	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Savannah Sparrow	1	Resting	Land	Near
6 /23/2009	ST9	10:10:00 AM	Sparrow (unidentified)	5	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Arctic Tern	4	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /23/2009	ST9	10:10:00 AM	Arctic Tern	4	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Northern Pintail	2	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Scoter (unidentified)	12	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Bird (unidentified)	15	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /23/2009	ST9	10:10:00 AM	Shorebird (unidentified)	12	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Least/Semipalmated/Western Sandpiper	6	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Red-throated Loon	2	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Black Scoter	1	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Red-necked Phalarope	4	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Lapland Longspur	2	Breeding	Air	Near
6 /23/2009	ST9	10:10:00 AM	Shorebird (unidentified)	8	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /23/2009	ST9	10:10:00 AM	Dunlin	1	Traveling	Air	Near
6 /23/2009	ST9	10:10:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
6 /23/2009	ST9	10:10:00 AM	Passerine (unidentified)	11	Traveling	Air	Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /24/2009	ST1	11:57:00 AM	Human	2	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Resting	Land	Distant
6 /24/2009	ST1	11:57:00 AM	Human	3	Traveling	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Human	3	Traveling	Water	Near
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Resting	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	4	Resting	Sandbar	Distant
6 /24/2009	ST1	11:57:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Tern (unidentified)	2	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Human	2	Subsist	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Resting	Sandbar	Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Resting	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	3	Feeding	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	3	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	4	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Tern (unidentified)	2	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	7	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Human	4	Subsist	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Common Loon	1	Traveling	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	1	Feeding	Water	Near
6 /24/2009	ST1	11:57:00 AM	Human	2	Traveling	Water	Near
6 /24/2009	ST1	11:57:00 AM	Human	4	Subsist	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	4	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Common Raven	2	Traveling	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Human	1	Traveling	Water	Near
6 /24/2009	ST1	11:57:00 AM	Shoveler (unidentified)	2	Resting	Land	Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	3	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Human	1	Traveling	Water	Far Distant
6 /24/2009	ST1	11:57:00 AM	Tern (unidentified)	4	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Human	6	Subsist	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	11	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Tern (unidentified)	3	Feeding	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Wilson's (Common) Snipe	2	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Bar-tailed Godwit	1	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Human	2	Traveling	Water	Far Distant
6 /24/2009	ST1	11:57:00 AM	Glaucous Gull	1	Resting	Land	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
6 /24/2009	ST1	11:57:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /24/2009	ST1	11:57:00 AM	Loon (unidentified)	1	Feeding	Water	Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /24/2009	ST1	11:57:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /24/2009	ST1	11:57:00 AM	Tern (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /24/2009	ST1	11:57:00 AM	Golden Eagle	1	Traveling	Air	Far Distant
6 /24/2009	ST6	10:13:00 AM	Merganser (unidentified)	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Glaucous Gull	6	Traveling	Air	Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	5	Traveling	Air	Distant
6 /24/2009	ST6	10:13:00 AM	Arctic Tern	3	Feeding	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /24/2009	ST6	10:13:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
6 /24/2009	ST6	10:13:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /24/2009	ST6	10:13:00 AM	Northern Pintail	4	Traveling	Air	Far Distant
6 /24/2009	ST6	10:13:00 AM	Glaucous Gull	3	Resting	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	1	Resting	Water	Far Distant
6 /24/2009	ST6	10:13:00 AM	Arctic Tern	3	Feeding	Water	Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	5	Traveling	Air	Distant
6 /24/2009	ST6	10:13:00 AM	Glaucous Gull	2	Resting	Sandbar	Distant
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	3	Traveling	Air	Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	5	Resting	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Human	5	Subsist	Water	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /24/2009	ST6	10:13:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	10	Resting	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	1	Resting	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Black-bellied Plover	1	Feeding	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Gull (unidentified)	46	Traveling	Air	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Arctic Tern	7	Resting	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Tern (unidentified)	3	Traveling	Air	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Human	4	Traveling	Water	Near
6 /24/2009	ST6	10:13:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /24/2009	ST6	10:13:00 AM	Rusty Blackbird	2	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Mew Gull	1	Resting	Water	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Redpoll (unidentified)	10	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /24/2009	ST6	10:13:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	3	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Yellow Warbler	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Tern (unidentified)	25	Feeding	Water	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Parasitic Jaeger	1	Resting	Water	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	5	Resting	Sandbar	Far Distant
6 /24/2009	ST6	10:13:00 AM	Pacific Loon	1	Feeding	Water	Distant
6 /24/2009	ST6	10:13:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	3	Resting	Land	Far Distant
6 /24/2009	ST6	10:13:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	3	Traveling	Air	Far Distant
6 /24/2009	ST6	10:13:00 AM	Glaucous Gull	1	Resting	Land	Far Distant
6 /24/2009	ST6	10:13:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	49	Resting	Sandbar	Very Far Distant
6 /24/2009	ST6	10:13:00 AM	Shoveler (unidentified)	1	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Mew Gull	12	Resting	Land	Far Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	2	Resting	Land	Distant
6 /24/2009	ST6	10:13:00 AM	Mew Gull	3	Traveling	Air	Near
6 /24/2009	ST6	10:13:00 AM	Curlew (unidentified)	4	Traveling	Air	Near
6 /24/2009	ST7	10:50:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
6 /24/2009	ST7	10:50:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /24/2009	ST7	10:50:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Glaucous Gull	2	Traveling	Air	Near
6 /24/2009	ST7	10:50:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Mew Gull	6	Traveling	Air	Near
6 /24/2009	ST7	10:50:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
6 /24/2009	ST7	10:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /24/2009	ST7	10:50:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /24/2009	ST7	10:50:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /24/2009	ST7	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Dunlin	1	Traveling	Air	Near
6 /24/2009	ST7	10:50:00 AM	Pacific Loon	4	Traveling	Air	Distant
6 /24/2009	ST7	10:50:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	White-winged Scoter	1	Traveling	Air	Distant
6 /24/2009	ST7	10:50:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /24/2009	ST7	10:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /24/2009	ST7	10:50:00 AM	Western Sandpiper	1	Traveling	Air	Far Distant
6 /24/2009	ST7	10:50:00 AM	Redpoll (unidentified)	1	Traveling	Air	Far Distant
6 /24/2009	ST7	10:50:00 AM	Loon (unidentified)	1	Resting	Water	Far Distant
6 /24/2009	ST8	12:07:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Canada Goose	1	Traveling	Air	Distant
6 /24/2009	ST8	12:07:00 PM	Least Sandpiper	1	Feeding	Land	Near
6 /24/2009	ST8	12:07:00 PM	Mew Gull	1	Feeding	Air	Near
6 /24/2009	ST8	12:07:00 PM	Parasitic Jaeger	2	Resting	Water	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Least Sandpiper	3	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Mew Gull	1	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Green-winged Teal	1	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Western Sandpiper	11	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Red-necked Phalarope	1	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Red-necked Phalarope	3	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Bird (unidentified)	4	Resting	Water	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Sandhill Crane	1	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Greater White-fronted Goose	2	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Arctic Tern	4	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /24/2009	ST8	12:07:00 PM	Northern Pintail	1	Resting	Water	Far Distant
6 /24/2009	ST8	12:07:00 PM	Northern Pintail	3	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Human	2	Traveling	Water	Far Distant
6 /24/2009	ST8	12:07:00 PM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Arctic Tern	6	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Mew Gull	11	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Mew Gull	1	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Arctic Tern	4	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Red-necked Phalarope	1	Traveling	Air	Far Distant
6 /24/2009	ST8	12:07:00 PM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Green-winged Teal	1	Resting	Water	Near
6 /24/2009	ST8	12:07:00 PM	Greater White-fronted Goose	6	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Arctic Tern	6	Traveling	Air	Near
6 /24/2009	ST8	12:07:00 PM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
6 /24/2009	ST8	12:07:00 PM	Seal (unidentified)	1	Traveling	Water	Distant
6 /24/2009	ST9	01:15:00 PM	Gull (unidentified)	9	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Canada Goose	7	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Parasitic Jaeger	5	Traveling	Air	Distant
6 /24/2009	ST9	01:15:00 PM	Northern Pintail	1	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Passerine (unidentified)	5	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Mew Gull	2	Resting	Land	Distant
6 /24/2009	ST9	01:15:00 PM	Red-necked Phalarope	1	Traveling	Air	Distant
6 /24/2009	ST9	01:15:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Plover (unidentified)	3	Traveling	Air	Distant
6 /24/2009	ST9	01:15:00 PM	King Eider	1	Resting	Water	Near
6 /24/2009	ST9	01:15:00 PM	Least Sandpiper	6	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Greater White-fronted Goose	5	Traveling	Air	Distant
6 /24/2009	ST9	01:15:00 PM	Northern Pintail	3	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Arctic Tern	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /24/2009	ST9	01:15:00 PM	Least/Semipalmated/Western Sandpiper	2	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Human	3	Traveling	Water	Near
6 /24/2009	ST9	01:15:00 PM	Pacific Loon	3	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Mew Gull	5	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Lapland Longspur	1	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Dunlin	1	Resting	Land	Near
6 /24/2009	ST9	01:15:00 PM	Brant	3	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Canada Goose	7	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Green-winged Teal	3	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Goose (unidentified)	22	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Loon (unidentified)	2	Resting	Water	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Mew Gull	7	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Arctic Tern	2	Traveling	Air	Distant
6 /24/2009	ST9	01:15:00 PM	Shorebird (unidentified)	11	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Black Scoter	3	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Red-throated Loon	1	Resting	Water	Far Distant
6 /24/2009	ST9	01:15:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Least Sandpiper	1	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /24/2009	ST9	01:15:00 PM	Lapland Longspur	1	Traveling	Air	Near
6 /24/2009	ST9	01:15:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Northern Pintail	1	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Greater White-fronted Goose	5	Traveling	Air	Far Distant
6 /24/2009	ST9	01:15:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Black Scoter	1	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Golden-Plover (unidentified)	1	Feeding	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /25/2009	ST6	10:20:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Golden Eagle	1	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	9	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /25/2009	ST6	10:20:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	11	Resting	Land	Distant
6 /25/2009	ST6	10:20:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Far Distant
6 /25/2009	ST6	10:20:00 AM	Pacific Loon	2	Traveling	Air	Near
6 /25/2009	ST6	10:20:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /25/2009	ST6	10:20:00 AM	American Tree Sparrow	1	Traveling	Air	Distant
6 /25/2009	ST6	10:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /25/2009	ST6	10:20:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /25/2009	ST6	10:20:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	23	Traveling	Air	Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	1	Traveling	Air	Near
6 /25/2009	ST6	10:20:00 AM	Parasitic Jaeger	2	Feeding	Sandbar	Far Distant
6 /25/2009	ST6	10:20:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /25/2009	ST6	10:20:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /25/2009	ST6	10:20:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Gull (unidentified)	92	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Tern (unidentified)	36	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Gull (unidentified)	54	Traveling	Air	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	20	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Human	2	Subsist	Water	Very Far Distant
6 /25/2009	ST6	10:20:00 AM	Plover (unidentified)	1	Traveling	Air	Near
6 /25/2009	ST6	10:20:00 AM	Greater White-fronted Goose	4	Feeding	Sandbar	Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	11	Resting	Sandbar	Distant
6 /25/2009	ST6	10:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /25/2009	ST6	10:20:00 AM	American Wigeon	1	Resting	Water	Near
6 /25/2009	ST6	10:20:00 AM	Mew Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /25/2009	ST6	10:20:00 AM	Mew Gull	11	Resting	Sandbar	Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	13	Traveling	Air	Far Distant
6 /25/2009	ST6	10:20:00 AM	Mew Gull	8	Resting	Sandbar	Far Distant
6 /25/2009	ST6	10:20:00 AM	Arctic Tern	2	Feeding	Water	Far Distant
6 /25/2009	ST6	10:20:00 AM	Arctic Tern	7	Resting	Sandbar	Far Distant
6 /25/2009	ST7	09:55:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Northern Pintail	3	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Common Raven	1	Resting	Land	Distant
6 /25/2009	ST7	09:55:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /25/2009	ST7	09:55:00 AM	Pacific Loon	2	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
6 /25/2009	ST7	09:55:00 AM	Greater White-fronted Goose	2	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
6 /25/2009	ST7	09:55:00 AM	Common Raven	1	Feeding	Air	Near
6 /25/2009	ST7	09:55:00 AM	Tundra Swan	1	Traveling	Air	Near
6 /25/2009	ST7	09:55:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /25/2009	ST7	09:55:00 AM	Common Raven	2	Traveling	Air	Near
6 /25/2009	ST7	09:55:00 AM	Greater Scaup	1	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Mew Gull	2	Traveling	Air	Near
6 /25/2009	ST7	09:55:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Arctic Tern	4	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Bird (unidentified)	13	Traveling	Air	Very Far Distant
6 /25/2009	ST7	09:55:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Far Distant
6 /25/2009	ST7	09:55:00 AM	Arctic Tern	4	Traveling	Air	Near
6 /25/2009	ST7	09:55:00 AM	Black Scoter	9	Traveling	Air	Far Distant
6 /25/2009	ST7	09:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /25/2009	ST7	09:55:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Far Distant
6 /25/2009	ST7	09:55:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /25/2009	ST7	09:55:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /25/2009	ST7	09:55:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
6 /25/2009	ST7	09:55:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
6 /25/2009	ST7	09:55:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Red-necked Phalarope	2	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /25/2009	ST8	11:15:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
6 /25/2009	ST8	11:15:00 AM	Bird (unidentified)	13	Traveling	Air	Very Far Distant
6 /25/2009	ST8	11:15:00 AM	Sabine's Gull	2	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Mew Gull	1	Feeding	Air	Near
6 /25/2009	ST8	11:15:00 AM	Shorebird (unidentified)	2	Resting	Sandbar	Far Distant
6 /25/2009	ST8	11:15:00 AM	Least/Semipalmated/Western Sandpiper	2	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Arctic Tern	1	Resting	Sandbar	Distant
6 /25/2009	ST8	11:15:00 AM	Mew Gull	15	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Seal (unidentified)	1	Traveling	Water	Distant
6 /25/2009	ST8	11:15:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
6 /25/2009	ST8	11:15:00 AM	Least/Semipalmated/Western Sandpiper	2	Feeding	Sandbar	Near
6 /25/2009	ST8	11:15:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Near
6 /25/2009	ST8	11:15:00 AM	Mew Gull	1	Feeding	Sandbar	Distant
6 /25/2009	ST8	11:15:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /25/2009	ST8	11:15:00 AM	Pacific Loon	3	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Red-necked Phalarope	9	Feeding	Sandbar	Near
6 /25/2009	ST8	11:15:00 AM	Human	2	Traveling	Water	Far Distant
6 /25/2009	ST8	11:15:00 AM	Calidrid Sandpiper	1	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Red-necked Phalarope	1	Feeding	Sandbar	Near
6 /25/2009	ST8	11:15:00 AM	Calidrid Sandpiper	1	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Arctic Tern	13	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Bird (unidentified)	1	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Red-necked Phalarope	13	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
6 /25/2009	ST8	11:15:00 AM	Black Scoter	2	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /25/2009	ST8	11:15:00 AM	Parasitic Jaeger	3	Traveling	Air	Near
6 /25/2009	ST8	11:15:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /25/2009	ST8	11:15:00 AM	Calidrid Sandpiper	4	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /25/2009	ST8	11:15:00 AM	Arctic Tern	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /25/2009	ST9	12:30:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Arctic Tern	1	Feeding	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Glaucous-winged Gull	1	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Mallard	1	Resting	Water	Distant
6 /25/2009	ST9	12:30:00 PM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Arctic Tern	1	Feeding	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Pacific Loon	1	Resting	Water	Distant
6 /25/2009	ST9	12:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Brant	32	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
6 /25/2009	ST9	12:30:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /25/2009	ST9	12:30:00 PM	Pacific Loon	2	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Mallard	4	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Greater Scaup	21	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Glaucous-winged Gull	1	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Swallow (unidentified)	2	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Parasitic Jaeger	3	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Human	2	Traveling	Water	Near
6 /25/2009	ST9	12:30:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /25/2009	ST9	12:30:00 PM	Bird (unidentified)	14	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Lapland Longspur	2	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Savannah Sparrow	1	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Glaucous Gull	2	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Mew Gull	7	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Arctic Tern	4	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /25/2009	ST9	12:30:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /25/2009	ST9	12:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Red-throated Loon	1	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Least/Semipalmated/Western Sandpiper	5	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /25/2009	ST9	12:30:00 PM	Black Scoter	6	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
6 /25/2009	ST9	12:30:00 PM	Red-necked Phalarope	1	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Passerine (unidentified)	3	Traveling	Air	Distant
6 /25/2009	ST9	12:30:00 PM	Pacific Loon	1	Resting	Water	Distant
6 /25/2009	ST9	12:30:00 PM	Least/Semipalmated/Western Sandpiper	3	Breeding	Land	Near
6 /25/2009	ST9	12:30:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
6 /25/2009	ST9	12:30:00 PM	Mew Gull	1	Traveling	Air	Distant
6 /26/2009	ST1	12:35:00 PM	Brant	1	Traveling	Air	Near
6 /26/2009	ST1	12:35:00 PM	Human	4	Traveling	Water	Far Distant
6 /26/2009	ST1	12:35:00 PM	Tern (unidentified)	13	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Arctic Tern	11	Traveling	Air	Distant
6 /26/2009	ST1	12:35:00 PM	Tern (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Mew Gull	1	Traveling	Air	Near
6 /26/2009	ST1	12:35:00 PM	Human	4	Traveling	Water	Near
6 /26/2009	ST1	12:35:00 PM	Long-tailed Jaeger	1	Traveling	Air	Near
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	57	Resting	Land	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Human	5	Subsist	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Human	2	Traveling	Water	Near
6 /26/2009	ST1	12:35:00 PM	Human	5	Traveling	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Human	13	Subsist	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	75	Feeding	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Human	7	Subsist	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Human	6	Traveling	Water	Far Distant
6 /26/2009	ST1	12:35:00 PM	Parasitic Jaeger	3	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /26/2009	ST1	12:35:00 PM	Parasitic Jaeger	3	Resting	Sandbar	Far Distant
6 /26/2009	ST1	12:35:00 PM	Arctic Tern	3	Feeding	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Arctic Tern	6	Resting	Sandbar	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Mew Gull	28	Resting	Sandbar	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Plover (unidentified)	7	Feeding	Sandbar	Far Distant
6 /26/2009	ST1	12:35:00 PM	Arctic Tern	5	Feeding	Water	Far Distant
6 /26/2009	ST1	12:35:00 PM	Mew Gull	15	Resting	Sandbar	Far Distant
6 /26/2009	ST1	12:35:00 PM	Glaucous Gull	1	Traveling	Air	Distant
6 /26/2009	ST1	12:35:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
6 /26/2009	ST1	12:35:00 PM	American Tree Sparrow	1	Traveling	Air	Near
6 /26/2009	ST1	12:35:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Human	4	Traveling	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Mew Gull	2	Resting	Sandbar	Distant
6 /26/2009	ST1	12:35:00 PM	Redpoll (unidentified)	5	Traveling	Air	Near
6 /26/2009	ST1	12:35:00 PM	Arctic Tern	50	Feeding	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Mew Gull	3	Resting	Land	Distant
6 /26/2009	ST1	12:35:00 PM	White-winged Scoter	3	Traveling	Air	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Human	13	Traveling	Water	Very Far Distant
6 /26/2009	ST1	12:35:00 PM	Mew Gull	2	Traveling	Air	Near
6 /26/2009	ST1	12:35:00 PM	Arctic Tern	3	Traveling	Air	Far Distant
6 /26/2009	ST1	12:35:00 PM	Common Raven	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	1	Resting	Land	Near
6 /26/2009	ST6	10:40:00 AM	Passerine (unidentified)	2	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Common Raven	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Golden-Plover (unidentified)	2	Traveling	Air	Distant
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /26/2009	ST6	10:40:00 AM	Pacific Loon	3	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	21	Feeding	Water	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Tundra Swan	2	Resting	Land	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	4	Feeding	Water	Distant
6 /26/2009	ST6	10:40:00 AM	Black Scoter	2	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	1	Resting	Sandbar	Distant
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	1	Feeding	Water	Distant
6 /26/2009	ST6	10:40:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Mew Gull	5	Resting	Land	Distant
6 /26/2009	ST6	10:40:00 AM	Rusty Blackbird	3	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Common Raven	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /26/2009	ST6	10:40:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Mew Gull	3	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Pacific Loon	7	Traveling	Air	Distant
6 /26/2009	ST6	10:40:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	3	Resting	Sandbar	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Shorebird (unidentified)	4	Resting	Land	Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	13	Resting	Land	Far Distant
6 /26/2009	ST6	10:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Mew Gull	1	Resting	Water	Distant
6 /26/2009	ST6	10:40:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	1	Feeding	Water	Distant
6 /26/2009	ST6	10:40:00 AM	Gull (unidentified)	4	Resting	Land	Far Distant
6 /26/2009	ST6	10:40:00 AM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Common Raven	1	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Mew Gull	4	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Mew Gull	4	Resting	Land	Distant
6 /26/2009	ST6	10:40:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /26/2009	ST6	10:40:00 AM	Plover (unidentified)	2	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	6	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	28	Resting	Sandbar	Far Distant
6 /26/2009	ST6	10:40:00 AM	Black Scoter	120	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Tern (unidentified)	33	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	21	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Tern (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Golden-Plover (unidentified)	8	Traveling	Air	Near
6 /26/2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /26/2009	ST6	10:40:00 AM	Gull (unidentified)	82	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Tern (unidentified)	10	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Gull (unidentified)	14	Traveling	Air	Very Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	10	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /26/2009	ST6	10:40:00 AM	Mew Gull	6	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /26/2009	ST7	11:55:00 AM	Common Raven	1	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Mallard	1	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Gull (unidentified)	21	Traveling	Air	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Greater White-fronted Goose	2	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Far Distant
6 /26/2009	ST7	11:55:00 AM	Pacific Loon	8	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Pacific Loon	2	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Dunlin	1	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Human	6	Traveling	Water	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Human	3	Traveling	Water	Distant
6 /26/2009	ST7	11:55:00 AM	Duck (unidentified)	7	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Human	2	Commercial fishing	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /26/2009	ST7	11:55:00 AM	Loon (unidentified)	3	Traveling	Air	Far Distant
6 /26/2009	ST7	11:55:00 AM	Mew Gull	7	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Red-throated Loon	1	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Canada Goose	4	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Glaucous Gull	3	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Bird (unidentified)	14	Traveling	Air	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Arctic Tern	6	Traveling	Air	Near
6 /26/2009	ST7	11:55:00 AM	Human	6	Traveling	Water	Near
6 /26/2009	ST7	11:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Mew Gull	6	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Mew Gull	2	Feeding	Air	Near
6 /26/2009	ST7	11:55:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /26/2009	ST7	11:55:00 AM	Red-throated Loon	2	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Arctic Tern	7	Traveling	Air	Distant
6 /26/2009	ST7	11:55:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /26/2009	ST7	11:55:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Mew Gull	1	Feeding	Sandbar	Near
6 /26/2009	ST8	10:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /26/2009	ST8	10:35:00 AM	Parasitic Jaeger	5	Traveling	Air	Far Distant
6 /26/2009	ST8	10:35:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
6 /26/2009	ST8	10:35:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Calidrid Sandpiper	1	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /26/2009	ST8	10:35:00 AM	Red-necked Phalarope	3	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /26/2009	ST8	10:35:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
6 /26/2009	ST8	10:35:00 AM	Duck (unidentified)	6	Resting	Water	Far Distant
6 /26/2009	ST8	10:35:00 AM	Red-necked Phalarope	2	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Green-winged Teal	2	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
6 /26/2009	ST8	10:35:00 AM	Pacific Loon	2	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Savannah Sparrow	2	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Calidrid Sandpiper	1	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Mew Gull	8	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Swan (unidentified)	7	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Red-throated Loon	1	Traveling	Air	Far Distant
6 /26/2009	ST8	10:35:00 AM	Black Scoter	1	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Duck (unidentified)	7	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Arctic Tern	10	Traveling	Air	Far Distant
6 /26/2009	ST8	10:35:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /26/2009	ST8	10:35:00 AM	Mew Gull	5	Traveling	Air	Distant
6 /26/2009	ST8	10:35:00 AM	Arctic Tern	5	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Lapland Longspur (?)	1	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
6 /26/2009	ST8	10:35:00 AM	Northern Pintail	5	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	12	Traveling	Air	Far Distant
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Arctic Tern	1	Resting	Sandbar	Distant
6 /26/2009	ST9	09:20:00 AM	Parasitic Jaeger	4	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Red-necked Phalarope	2	Traveling	Air	Near
6 /26/2009	ST9	09:20:00 AM	Goose (unidentified)	2	Traveling	Air	Far Distant
6 /26/2009	ST9	09:20:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Bird (unidentified)	7	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /26/2009	ST9	09:20:00 AM	Red-necked Phalarope	4	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Semipalmated Sandpiper	1	Resting	Land	Near
6 /26/2009	ST9	09:20:00 AM	Black Scoter	1	Resting	Water	Distant
6 /26/2009	ST9	09:20:00 AM	Calidrid Sandpiper	7	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Dunlin	1	Breeding	Air	Near
6 /26/2009	ST9	09:20:00 AM	Mew Gull	1	Traveling	Air	Near
6 /26/2009	ST9	09:20:00 AM	Glaucous Gull	2	Resting	Sandbar	Distant
6 /26/2009	ST9	09:20:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /26/2009	ST9	09:20:00 AM	Lapland Longspur	2	Resting	Land	Near
6 /26/2009	ST9	09:20:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	10	Resting	Sandbar	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Greater Scaup	1	Traveling	Air	Far Distant
6 /26/2009	ST9	09:20:00 AM	Red-throated Loon	1	Feeding	Water	Distant
6 /26/2009	ST9	09:20:00 AM	Calidrid Sandpiper	2	Feeding	Sandbar	Distant
6 /26/2009	ST9	09:20:00 AM	Shorebird (unidentified)	4	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Sandhill Crane	1	Resting	Land	Far Distant
6 /26/2009	ST9	09:20:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Glaucous-winged Gull	2	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Dunlin	2	Breeding	Air	Near
6 /26/2009	ST9	09:20:00 AM	Dunlin	4	Feeding	Sandbar	Near
6 /26/2009	ST9	09:20:00 AM	Mew Gull	4	Traveling	Air	Near
6 /26/2009	ST9	09:20:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Northern Pintail	3	Traveling	Air	Near
6 /26/2009	ST9	09:20:00 AM	Arctic Tern	2	Resting	Sandbar	Near
6 /26/2009	ST9	09:20:00 AM	Northern Pintail	3	Resting	Sandbar	Near
6 /26/2009	ST9	09:20:00 AM	Tundra Swan	3	Traveling	Air	Near
6 /26/2009	ST9	09:20:00 AM	Semipalmated Sandpiper	7	Traveling	Air	Near
6 /26/2009	ST9	09:20:00 AM	Scoter (?)	3	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Greater White-fronted Goose	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /26/2009	ST9	09:20:00 AM	Mew Gull	4	Resting	Sandbar	Near
6 /26/2009	ST9	09:20:00 AM	Goose (unidentified)	2	Traveling	Air	Far Distant
6 /26/2009	ST9	09:20:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /26/2009	ST9	09:20:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Tundra Swan	1	Resting	Water	Distant
6 /26/2009	ST9	09:20:00 AM	Semipalmated Sandpiper	2	Feeding	Sandbar	Near
6 /26/2009	ST9	09:20:00 AM	Semipalmated Sandpiper	4	Breeding	Land	Near
6 /26/2009	ST9	09:20:00 AM	Passerine (unidentified)	7	Traveling	Air	Distant
6 /26/2009	ST9	09:20:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /26/2009	ST9	09:20:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	4	Feeding	Water	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Mew Gull	2	Resting	Sandbar	Far Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Gull (unidentified)	1	Feeding	Water	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Gull (unidentified)	12	Resting	Land	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	American Wigeon	2	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Tern (unidentified)	6	Resting	Land	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Mew Gull	5	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	5	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Human	4	Subsist	Water	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Mew Gull	4	Resting	Land	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /29/2009	ST1	12:15:00 PM	Human	7	Traveling	Water	Near
6 /29/2009	ST1	12:15:00 PM	Mew Gull	5	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Human	4	Subsist	Water	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	1	Traveling	Air	Near
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	3	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Human	5	Subsist	Water	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	1	Feeding	Water	Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /29/2009	ST1	12:15:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /29/2009	ST1	12:15:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /29/2009	ST1	12:15:00 PM	Human	1	Traveling	Water	Far Distant
6 /29/2009	ST1	12:15:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Human	1	Traveling	Water	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
6 /29/2009	ST1	12:15:00 PM	Human	2	Traveling	Water	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	6	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Black Scoter	3	Traveling	Air	Far Distant
6 /29/2009	ST6	10:35:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Red-breasted Merganser	2	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /29/2009	ST6	10:35:00 AM	Pacific Loon	1	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Common Loon	1	Traveling	Air	Far Distant
6 /29/2009	ST6	10:35:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Arctic Tern	10	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /29/2009	ST6	10:35:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	1	Resting	Water	Distant
6 /29/2009	ST6	10:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /29/2009	ST6	10:35:00 AM	Yellow Warbler	3	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Bald Eagle	1	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /29/2009	ST6	10:35:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	5	Traveling	Air	Distant
6 /29/2009	ST6	10:35:00 AM	Passerine (unidentified)	3	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
6 /29/2009	ST6	10:35:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
6 /29/2009	ST6	10:35:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	2	Traveling	Air	Far Distant
6 /29/2009	ST6	10:35:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Gull (unidentified)	18	Traveling	Air	Very Far Distant
6 /29/2009	ST6	10:35:00 AM	Mew Gull	4	Traveling	Air	Near
6 /29/2009	ST6	10:35:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
6 /29/2009	ST7	12:46:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Glaucous Gull	1	Feeding	Sandbar	Far Distant
6 /29/2009	ST7	12:46:00 PM	Northern Pintail	1	Traveling	Air	Distant
6 /29/2009	ST7	12:46:00 PM	Arctic Tern	8	Traveling	Air	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Gull (unidentified)	11	Resting	Sandbar	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Duck (unidentified)	3	Resting	Water	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Glaucous Gull	1	Traveling	Air	Near
6 /29/2009	ST7	12:46:00 PM	Wilson's (Common) Snipe	1	Traveling	Air	Distant
6 /29/2009	ST7	12:46:00 PM	Greater White-fronted Goose	2	Traveling	Air	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Sandhill Crane	1	Resting	Land	Far Distant
6 /29/2009	ST7	12:46:00 PM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Green-winged Teal	1	Traveling	Air	Far Distant
6 /29/2009	ST7	12:46:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /29/2009	ST7	12:46:00 PM	Human	2	Subsist	Water	Very Far Distant
6 /29/2009	ST7	12:46:00 PM	Wilson's (Common) Snipe	2	Traveling	Air	Far Distant
6 /29/2009	ST7	12:46:00 PM	Red-necked Phalarope	3	Traveling	Air	Distant
6 /29/2009	ST7	12:46:00 PM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
6 /29/2009	ST7	12:46:00 PM	Passerine (unidentified)	2	Resting	Land	Far Distant
6 /29/2009	ST7	12:46:00 PM	Parasitic Jaeger	1	Feeding	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /29/2009	ST7	12:46:00 PM	Arctic Tern	1	Traveling	Air	Distant
6 /29/2009	ST8	11:24:00 AM	Mew Gull	3	Traveling	Air	Near
6 /29/2009	ST8	11:24:00 AM	Northern Shoveler	1	Traveling	Air	Near
6 /29/2009	ST8	11:24:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
6 /29/2009	ST8	11:24:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /29/2009	ST8	11:24:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
6 /29/2009	ST8	11:24:00 AM	Arctic Tern	3	Traveling	Air	Distant
6 /29/2009	ST8	11:24:00 AM	Glaucous Gull	1	Traveling	Air	Near
6 /29/2009	ST8	11:24:00 AM	Common Raven	1	Traveling	Air	Distant
6 /29/2009	ST8	11:24:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /29/2009	ST8	11:24:00 AM	Glaucous Gull	4	Traveling	Air	Distant
6 /29/2009	ST8	11:24:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
6 /29/2009	ST8	11:24:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /29/2009	ST8	11:24:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /29/2009	ST8	11:24:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
6 /29/2009	ST8	11:24:00 AM	Human	1	Traveling	Water	Far Distant
6 /29/2009	ST8	11:24:00 AM	Passerine (unidentified)	1	Traveling	Land	Far Distant
6 /29/2009	ST8	11:24:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
6 /29/2009	ST8	11:24:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
6 /29/2009	ST8	11:24:00 AM	Gull (unidentified)	11	Traveling	Air	Very Far Distant
6 /29/2009	ST8	11:24:00 AM	Redpoll (unidentified)	1	Resting	Land	Near
6 /29/2009	ST8	11:24:00 AM	Arctic Tern	2	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Northern Pintail	1	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Least/Semipalmated/Western Sandpiper	3	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Pacific Loon	1	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Arctic Tern	1	Traveling	Air	Near
6 /29/2009	ST9	10:00:00 AM	Greater Scaup	2	Traveling	Air	Far Distant
6 /29/2009	ST9	10:00:00 AM	Mew Gull	3	Traveling	Air	Near
6 /29/2009	ST9	10:00:00 AM	Red-throated Loon	1	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Mew Gull	1	Traveling	Air	Near
6 /29/2009	ST9	10:00:00 AM	Canada Goose	2	Traveling	Air	Far Distant
6 /29/2009	ST9	10:00:00 AM	Sandhill Crane	4	Traveling	Air	Far Distant
6 /29/2009	ST9	10:00:00 AM	Red-necked Phalarope	5	Traveling	Air	Near
6 /29/2009	ST9	10:00:00 AM	Black Scoter	20	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /29/2009	ST9	10:00:00 AM	Human	1	Traveling	Water	Far Distant
6 /29/2009	ST9	10:00:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Semipalmated Sandpiper	2	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Greater Scaup	3	Traveling	Air	Distant
6 /29/2009	ST9	10:00:00 AM	Savannah Sparrow	2	Traveling	Air	Near
6 /29/2009	ST9	10:00:00 AM	Semipalmated Sandpiper	3	Traveling	Air	Near
6 /29/2009	ST9	10:00:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /29/2009	ST9	10:00:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /29/2009	ST9	10:00:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
6 /29/2009	ST9	10:00:00 AM	Gull (unidentified)	4	Traveling	Air	Far Distant
6 /29/2009	ST9	10:00:00 AM	Mew Gull	2	Resting	Sandbar	Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Passerine (unidentified)	5	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
6 /30/2009	ST1	11:58:00 AM	Mew Gull	1	Traveling	Air	Distant
6 /30/2009	ST1	11:58:00 AM	American Tree Sparrow	1	Traveling	Air	Near
6 /30/2009	ST1	11:58:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
6 /30/2009	ST1	11:58:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
6 /30/2009	ST1	11:58:00 AM	Mew Gull	2	Traveling	Air	Near
6 /30/2009	ST1	11:58:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Human	2	Traveling	Water	Far Distant
6 /30/2009	ST1	11:58:00 AM	Arctic Tern	1	Feeding	Water	Near
6 /30/2009	ST1	11:58:00 AM	Human	2	Subsist	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Black Scoter	5	Traveling	Air	Far Distant
6 /30/2009	ST1	11:58:00 AM	Long-tailed Duck	1	Traveling	Air	Far Distant
6 /30/2009	ST1	11:58:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Human	1	Traveling	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /30/2009	ST1	11:58:00 AM	Human	2	Traveling	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Black-bellied Plover	4	Traveling	Air	Distant
6 /30/2009	ST1	11:58:00 AM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Passerine (unidentified)	5	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Human	4	Traveling	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Golden Eagle	1	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Mew Gull	7	Feeding	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Human	3	Subsist	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Glaucous Gull	3	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Arctic Tern	1	Resting	Sandbar	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	White-winged Scoter	2	Traveling	Air	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
6 /30/2009	ST1	11:58:00 AM	Arctic Tern	3	Feeding	Water	Far Distant
6 /30/2009	ST1	11:58:00 AM	Human	2	Subsist	Water	Far Distant
6 /30/2009	ST1	11:58:00 AM	Northern Shoveler	2	Traveling	Air	Far Distant
6 /30/2009	ST1	11:58:00 AM	Human	1	Subsist	Water	Very Far Distant
6 /30/2009	ST6	10:14:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
6 /30/2009	ST6	10:14:00 AM	Northern Pintail	2	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Northern Pintail	2	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Mew Gull	2	Traveling	Air	Far Distant
6 /30/2009	ST6	10:14:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
6 /30/2009	ST6	10:14:00 AM	Glaucous Gull	1	Traveling	Air	Distant
6 /30/2009	ST6	10:14:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
6 /30/2009	ST6	10:14:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
6 /30/2009	ST6	10:14:00 AM	Merganser (unidentified)	3	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
6 /30/2009	ST6	10:14:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /30/2009	ST6	10:14:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
6 /30/2009	ST6	10:14:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Mew Gull	1	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
6 /30/2009	ST6	10:14:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
6 /30/2009	ST6	10:14:00 AM	Mew Gull	1	Traveling	Water	Near
6 /30/2009	ST6	10:14:00 AM	Northern Pintail	1	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Glaucous Gull	3	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
6 /30/2009	ST6	10:14:00 AM	American Tree Sparrow	2	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	Short-eared Owl	1	Traveling	Air	Near
6 /30/2009	ST6	10:14:00 AM	White-winged Scoter	50	Resting	Water	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Black Scoter	1	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Arctic Tern	1	Traveling	Air	Distant
6 /30/2009	ST9	09:55:00 AM	Semipalmated Sandpiper	3	Resting	Land	Near
6 /30/2009	ST9	09:55:00 AM	Red-throated Loon	1	Traveling	Air	Near
6 /30/2009	ST9	09:55:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Pacific Loon	1	Resting	Water	Far Distant
6 /30/2009	ST9	09:55:00 AM	Mew Gull	1	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Arctic Tern	2	Traveling	Air	Near
6 /30/2009	ST9	09:55:00 AM	Black Scoter	4	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Arctic Tern	5	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Glaucous Gull	3	Traveling	Air	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Savannah Sparrow	1	Feeding	Land	Near
6 /30/2009	ST9	09:55:00 AM	Semipalmated Sandpiper	3	Traveling	Air	Near
6 /30/2009	ST9	09:55:00 AM	Black Scoter	7	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Sandhill Crane	1	Resting	Land	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Glaucous Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
6 /30/2009	ST9	09:55:00 AM	Greater Scaup	6	Traveling	Air	Far Distant
6 /30/2009	ST9	09:55:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
6 /30/2009	ST9	09:55:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Mew Gull	6	Resting	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Human	2	Traveling	Water	Near
7 /1 /2009	ST1	02:03:00 PM	Human	2	Traveling	Water	Near
7 /1 /2009	ST1	02:03:00 PM	Tern (unidentified)	4	Resting	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /1 /2009	ST1	02:03:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Human	4	Subsist	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Gull (unidentified)	3	Feeding	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Common Raven	1	Resting	Land	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /1 /2009	ST1	02:03:00 PM	Arctic Tern	8	Feeding	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Mew Gull	1	Traveling	Air	Near
7 /1 /2009	ST1	02:03:00 PM	Human	16	Subsist	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Gull (unidentified)	12	Resting	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Glaucous Gull	4	Traveling	Air	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Human	2	Subsist	Water	Distant
7 /1 /2009	ST1	02:03:00 PM	Human	14	Traveling	Water	Distant
7 /1 /2009	ST1	02:03:00 PM	Human	16	Subsist	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Human	14	Traveling	Water	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST1	02:03:00 PM	Seal (unidentified)	1	Traveling	Water	Distant
7 /1 /2009	ST6	12:07:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Pacific Loon	1	Traveling	Air	Near
7 /1 /2009	ST6	12:07:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /1 /2009	ST6	12:07:00 PM	Pacific Loon	2	Resting	Water	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Common Raven	1	Resting	Land	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	American Tree Sparrow	1	Traveling	Air	Distant
7 /1 /2009	ST6	12:07:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /1 /2009	ST6	12:07:00 PM	Human	6	Traveling	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /1 /2009	ST6	12:07:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /1 /2009	ST6	12:07:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Mew Gull	1	Traveling	Air	Near
7 /1 /2009	ST6	12:07:00 PM	Arctic Tern	5	Feeding	Water	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Human	2	Subsist	Water	Far Distant
7 /1 /2009	ST6	12:07:00 PM	Surf Scoter	1	Resting	Water	Distant
7 /1 /2009	ST6	12:07:00 PM	Glaucous Gull	1	Resting	Water	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Yellow Warbler	3	Traveling	Air	Near
7 /1 /2009	ST6	12:07:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Common Loon	1	Traveling	Air	Far Distant
7 /1 /2009	ST6	12:07:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Human	10	Traveling	Water	Near
7 /1 /2009	ST6	12:07:00 PM	Human	2	Traveling	Water	Distant
7 /1 /2009	ST6	12:07:00 PM	Mew Gull	2	Traveling	Air	Near
7 /1 /2009	ST6	12:07:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /1 /2009	ST6	12:07:00 PM	Human	2	Subsist	Water	Very Far Distant
7 /1 /2009	ST6	12:07:00 PM	Arctic Tern	2	Feeding	Water	Far Distant
7 /1 /2009	ST6	12:07:00 PM	Yellow Warbler	3	Traveling	Air	Near
7 /1 /2009	ST6	12:07:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /1 /2009	ST6	12:07:00 PM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Red-necked Phalarope	1	Traveling	Air	Distant
7 /1 /2009	ST7	12:25:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Human	1	Commercial fishing	Water	Distant
7 /1 /2009	ST7	12:25:00 PM	Human	3	Traveling	Water	Near
7 /1 /2009	ST7	12:25:00 PM	Human	22	Traveling	Water	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Parasitic Jaeger	1	Resting	Water	Far Distant
7 /1 /2009	ST7	12:25:00 PM	Gull (unidentified)	20	Resting	Sandbar	Far Distant
7 /1 /2009	ST7	12:25:00 PM	Gull (unidentified)	13	Traveling	Air	Far Distant
7 /1 /2009	ST7	12:25:00 PM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Mew Gull	7	Traveling	Air	Near
7 /1 /2009	ST7	12:25:00 PM	Human	4	Commercial fishing	Water	Far Distant
7 /1 /2009	ST7	12:25:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Glaucous Gull	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /1 /2009	ST7	12:25:00 PM	Black Scoter	18	Traveling	Air	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Passerine (unidentified)	2	Traveling	Air	Near
7 /1 /2009	ST7	12:25:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /1 /2009	ST7	12:25:00 PM	Human	8	Commercial fishing	Water	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Swan (unidentified)	2	Resting	Water	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Northern Pintail	1	Traveling	Air	Distant
7 /1 /2009	ST7	12:25:00 PM	Human	3	Commercial fishing	Water	Very Far Distant
7 /1 /2009	ST7	12:25:00 PM	Whimbrel	2	Traveling	Air	Near
7 /1 /2009	ST7	12:25:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Arctic Tern	4	Feeding	Air	Near
7 /1 /2009	ST8	11:00:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Human	8	Traveling	Water	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Greater Scaup	4	Traveling	Air	Far Distant
7 /1 /2009	ST8	11:00:00 AM	American Wigeon	3	Traveling	Air	Distant
7 /1 /2009	ST8	11:00:00 AM	Mew Gull	9	Traveling	Air	Near
7 /1 /2009	ST8	11:00:00 AM	Redpoll (unidentified)	1	Resting	Land	Near
7 /1 /2009	ST8	11:00:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /1 /2009	ST8	11:00:00 AM	Arctic Tern	2	Resting	Sandbar	Near
7 /1 /2009	ST8	11:00:00 AM	Mew Gull	1	Resting	Sandbar	Near
7 /1 /2009	ST8	11:00:00 AM	Bird (unidentified)	1	Resting	Water	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Gull (unidentified)	10	Resting	Land	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Swan (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Human	2	Traveling	Water	Distant
7 /1 /2009	ST8	11:00:00 AM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Far Distant
7 /1 /2009	ST8	11:00:00 AM	Red-throated Loon	1	Resting	Water	Near
7 /1 /2009	ST8	11:00:00 AM	Northern Shoveler	1	Traveling	Air	Distant
7 /1 /2009	ST8	11:00:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /1 /2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /1 /2009	ST8	11:00:00 AM	Glaucous Gull	2	Traveling	Air	Near
7 /1 /2009	ST8	11:00:00 AM	Arctic Tern	1	Feeding	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /1 /2009	ST8	11:00:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Scoter (?)	6	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST8	11:00:00 AM	Human	3	Traveling	Water	Near
7 /1 /2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /1 /2009	ST8	11:00:00 AM	Savannah Sparrow	1	Resting	Land	Near
7 /1 /2009	ST8	11:00:00 AM	White-winged Scoter	45	Traveling	Air	Far Distant
7 /1 /2009	ST8	11:00:00 AM	Pacific Loon	3	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Sandhill Crane	1	Resting	Land	Distant
7 /1 /2009	ST9	09:50:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /1 /2009	ST9	09:50:00 AM	Whimbrel	5	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
7 /1 /2009	ST9	09:50:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /1 /2009	ST9	09:50:00 AM	Loon (unidentified)	1	Resting	Water	Far Distant
7 /1 /2009	ST9	09:50:00 AM	Semipalmated Sandpiper	1	Breeding	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST9	09:50:00 AM	Gull (unidentified)	12	Resting	Land	Distant
7 /1 /2009	ST9	09:50:00 AM	Calidrid Sandpiper	3	Feeding	Sandbar	Distant
7 /1 /2009	ST9	09:50:00 AM	Arctic Tern	2	Resting	Sandbar	Distant
7 /1 /2009	ST9	09:50:00 AM	Greater Scaup	10	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Swan (unidentified)	5	Traveling	Air	Very Far Distant
7 /1 /2009	ST9	09:50:00 AM	Black Scoter	12	Traveling	Air	Distant
7 /1 /2009	ST9	09:50:00 AM	Mew Gull	3	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Savannah Sparrow	1	Resting	Land	Near
7 /1 /2009	ST9	09:50:00 AM	Swan (unidentified)	3	Resting	Land	Very Far Distant
7 /1 /2009	ST9	09:50:00 AM	Passerine (unidentified)	19	Traveling	Air	Distant
7 /1 /2009	ST9	09:50:00 AM	Black Scoter	1	Resting	Water	Distant
7 /1 /2009	ST9	09:50:00 AM	Red-throated Loon	3	Resting	Water	Distant
7 /1 /2009	ST9	09:50:00 AM	Duck (unidentified)	6	Traveling	Air	Far Distant
7 /1 /2009	ST9	09:50:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Shorebird (unidentified)	13	Traveling	Air	Distant
7 /1 /2009	ST9	09:50:00 AM	Gull (unidentified)	7	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /1 /2009	ST9	09:50:00 AM	Arctic Tern	2	Feeding	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Arctic Tern	4	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
7 /1 /2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /1 /2009	ST9	09:50:00 AM	Bird (unidentified)	8	Traveling	Air	Far Distant
7 /1 /2009	ST9	09:50:00 AM	Human	4	Traveling	Water	Near
7 /1 /2009	ST9	09:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /1 /2009	ST9	09:50:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /1 /2009	ST9	09:50:00 AM	Arctic Tern	1	Feeding	Air	Distant
7 /1 /2009	ST9	09:50:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /1 /2009	ST9	09:50:00 AM	Northern Shoveler	9	Traveling	Air	Distant
7 /2 /2009	ST1	12:26:00 PM	Human	2	Traveling	Water	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Duck (unidentified)	1	Resting	Water	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Eagle (unidentified)	1	Traveling	Air	Far Distant
7 /2 /2009	ST1	12:26:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Human	3	Subsist	Water	Distant
7 /2 /2009	ST1	12:26:00 PM	Varied Thrush	1	Traveling	Air	Distant
7 /2 /2009	ST1	12:26:00 PM	American Wigeon	1	Traveling	Air	Distant
7 /2 /2009	ST1	12:26:00 PM	Human	1	Traveling	Water	Near
7 /2 /2009	ST1	12:26:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /2 /2009	ST1	12:26:00 PM	Human	3	Traveling	Water	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /2 /2009	ST1	12:26:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Mew Gull	1	Traveling	Air	Near
7 /2 /2009	ST1	12:26:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Yellow Warbler	1	Traveling	Air	Near
7 /2 /2009	ST1	12:26:00 PM	Mew Gull	1	Resting	Sandbar	Far Distant
7 /2 /2009	ST1	12:26:00 PM	Human	4	Traveling	Water	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Human	1	Traveling	Water	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Human	2	Subsist	Water	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Passerine (unidentified)	3	Traveling	Air	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Mew Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /2 /2009	ST1	12:26:00 PM	Human	2	Subsist	Water	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
7 /2 /2009	ST1	12:26:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Parasitic Jaeger	3	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Northern Pintail	1	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /2 /2009	ST6	10:56:00 AM	Plover (unidentified)	30	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Scaup (unidentified)	1	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Mew Gull	1	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Black Scoter	4	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Human	1	Traveling	Water	Near
7 /2 /2009	ST6	10:56:00 AM	Redpoll (unidentified)	2	Traveling	Air	Distant
7 /2 /2009	ST6	10:56:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Mew Gull	3	Traveling	Air	Distant
7 /2 /2009	ST6	10:56:00 AM	Human	2	Traveling	Water	Near
7 /2 /2009	ST6	10:56:00 AM	Parasitic Jaeger	1	Resting	Water	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Common Loon	1	Feeding	Water	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /2 /2009	ST6	10:56:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST6	10:56:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /2 /2009	ST7	11:15:00 AM	Passerine (unidentified)	6	Traveling	Air	Distant
7 /2 /2009	ST7	11:15:00 AM	Mew Gull	7	Traveling	Air	Near
7 /2 /2009	ST7	11:15:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
7 /2 /2009	ST7	11:15:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
7 /2 /2009	ST7	11:15:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /2 /2009	ST7	11:15:00 AM	Mew Gull	3	Traveling	Air	Distant
7 /2 /2009	ST7	11:15:00 AM	Parasitic Jaeger	1	Resting	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /2 /2009	ST7	11:15:00 AM	Northern Pintail (?)	1	Traveling	Air	Far Distant
7 /2 /2009	ST7	11:15:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /2 /2009	ST7	11:15:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /2 /2009	ST7	11:15:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /2 /2009	ST7	11:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /2 /2009	ST7	11:15:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /2 /2009	ST7	11:15:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /2 /2009	ST7	11:15:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
7 /2 /2009	ST7	11:15:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
7 /2 /2009	ST8	12:35:00 PM	Gull (unidentified)	4	Resting	Water	Far Distant
7 /2 /2009	ST8	12:35:00 PM	Arctic Tern	2	Feeding	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Bank Swallow	1	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Whimbrel/Curlew	3	Traveling	Air	Distant
7 /2 /2009	ST8	12:35:00 PM	Waterfowl (unidentified)	22	Traveling	Air	Very Far Distant
7 /2 /2009	ST8	12:35:00 PM	Mew Gull	1	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Mew Gull	1	Resting	Sandbar	Distant
7 /2 /2009	ST8	12:35:00 PM	Human	1	Traveling	Water	Near
7 /2 /2009	ST8	12:35:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /2 /2009	ST8	12:35:00 PM	Northern Shoveler	2	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Mew Gull	6	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Parasitic Jaeger	3	Traveling	Air	Far Distant
7 /2 /2009	ST8	12:35:00 PM	White-winged Scoter	30	Traveling	Air	Far Distant
7 /2 /2009	ST8	12:35:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Gull (unidentified)	1	Resting	Water	Far Distant
7 /2 /2009	ST8	12:35:00 PM	Mew Gull	1	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Duck (unidentified)	1	Traveling	Air	Far Distant
7 /2 /2009	ST8	12:35:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Gull (unidentified)	20	Traveling	Air	Very Far Distant
7 /2 /2009	ST8	12:35:00 PM	Gull (unidentified)	20	Resting	Sandbar	Very Far Distant
7 /2 /2009	ST8	12:35:00 PM	Mew Gull	1	Feeding	Air	Distant
7 /2 /2009	ST8	12:35:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /2 /2009	ST8	12:35:00 PM	Red-necked Grebe	1	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	White-winged Scoter	47	Resting	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /2 /2009	ST8	12:35:00 PM	Greater Scaup	1	Resting	Water	Distant
7 /2 /2009	ST8	12:35:00 PM	Mew Gull	2	Resting	Water	Distant
7 /2 /2009	ST8	12:35:00 PM	Parasitic Jaeger	2	Traveling	Air	Distant
7 /2 /2009	ST8	12:35:00 PM	Arctic Tern	1	Traveling	Air	Near
7 /2 /2009	ST8	12:35:00 PM	Arctic Tern	2	Resting	Sandbar	Near
7 /2 /2009	ST8	12:35:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /2 /2009	ST9	01:45:00 PM	Dunlin	1	Breeding	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Red-necked Phalarope	4	Traveling	Air	Distant
7 /2 /2009	ST9	01:45:00 PM	Scoter (unidentified)	8	Resting	Water	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant
7 /2 /2009	ST9	01:45:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Parasitic Jaeger	1	Resting	Water	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /2 /2009	ST9	01:45:00 PM	Mew Gull	4	Traveling	Air	Distant
7 /2 /2009	ST9	01:45:00 PM	Red-necked Phalarope	2	Resting	Sandbar	Near
7 /2 /2009	ST9	01:45:00 PM	Mew Gull	10	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Mew Gull	1	Resting	Sandbar	Near
7 /2 /2009	ST9	01:45:00 PM	Arctic Tern	1	Resting	Sandbar	Near
7 /2 /2009	ST9	01:45:00 PM	Shorebird (unidentified)	15	Feeding	Sandbar	Distant
7 /2 /2009	ST9	01:45:00 PM	Shorebird (unidentified)	2	Traveling	Air	Distant
7 /2 /2009	ST9	01:45:00 PM	Savannah Sparrow	3	Resting	Land	Near
7 /2 /2009	ST9	01:45:00 PM	Parasitic Jaeger	1	Resting	Sandbar	Near
7 /2 /2009	ST9	01:45:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /2 /2009	ST9	01:45:00 PM	Greater Scaup	5	Resting	Water	Distant
7 /2 /2009	ST9	01:45:00 PM	Common Raven	1	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Semipalmated Sandpiper	1	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /2 /2009	ST9	01:45:00 PM	Dunlin	3	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Red-necked Phalarope	1	Feeding	Sandbar	Near
7 /2 /2009	ST9	01:45:00 PM	Arctic Tern	1	Feeding	Air	Distant
7 /2 /2009	ST9	01:45:00 PM	Mew Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /2 /2009	ST9	01:45:00 PM	Passerine (unidentified)	3	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Mallard	1	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Parasitic Jaeger	2	Resting	Water	Distant
7 /2 /2009	ST9	01:45:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Semipalmated Sandpiper	4	Traveling	Air	Near
7 /2 /2009	ST9	01:45:00 PM	Dunlin	1	Resting	Land	Near
7 /2 /2009	ST9	01:45:00 PM	Passerine (unidentified)	8	Traveling	Air	Distant
7 /2 /2009	ST9	01:45:00 PM	White-winged Scoter	70	Traveling	Air	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Lapland Longspur	2	Resting	Land	Near
7 /2 /2009	ST9	01:45:00 PM	Mew Gull	1	Resting	Sandbar	Near
7 /2 /2009	ST9	01:45:00 PM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /2 /2009	ST9	01:45:00 PM	Dunlin	2	Feeding	Sandbar	Near
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	5	Resting	Sandbar	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Human	2	Traveling	Water	Near
7 /6 /2009	ST1	12:20:00 PM	Tundra Swan	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Human	2	Traveling	Water	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Glaucous Gull	1	Traveling	Air	Distant
7 /6 /2009	ST1	12:20:00 PM	Human	5	Traveling	Water	Near
7 /6 /2009	ST1	12:20:00 PM	Human	3	Traveling	Water	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Glaucous Gull	1	Feeding	Land	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	2	Feeding	Land	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Arctic Tern	1	Resting	Sandbar	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Plover (unidentified)	26	Resting	Sandbar	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Glaucous Gull	4	Resting	Sandbar	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Passerine (unidentified)	5	Traveling	Air	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	3	Resting	Water	Distant
7 /6 /2009	ST1	12:20:00 PM	Glaucous Gull	3	Resting	Water	Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	1	Feeding	Sandbar	Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	2	Traveling	Air	Near
7 /6 /2009	ST1	12:20:00 PM	Glaucous Gull	3	Resting	Sandbar	Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Eagle (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	1	Resting	Water	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Mew Gull	1	Traveling	Air	Near
7 /6 /2009	ST1	12:20:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Arctic Tern	6	Feeding	Water	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Human	1	Traveling	Water	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
7 /6 /2009	ST1	12:20:00 PM	Human	3	Subsist	Water	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Human	4	Traveling	Water	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Tundra Swan	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST1	12:20:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	4	Resting	Sandbar	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	3	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	6	Resting	Sandbar	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	6	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	13	Resting	Land	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Golden-Plover (unidentified)	1	Feeding	Land	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	1	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Tundra Swan	2	Feeding	Water	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	2	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	18	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /6 /2009	ST6	10:39:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	1	Resting	Land	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Glaucous Gull	1	Resting	Land	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Northern Pintail	1	Traveling	Air	Distant
7 /6 /2009	ST6	10:39:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /6 /2009	ST6	10:39:00 AM	Savannah Sparrow	1	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Yellow Warbler	3	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	2	Resting	Water	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	4	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Black-bellied Plover	7	Traveling	Air	Far Distant
7 /6 /2009	ST6	10:39:00 AM	Shorebird (unidentified)	4	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /6 /2009	ST6	10:39:00 AM	American Tree Sparrow	1	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Black Scoter	8	Traveling	Air	Far Distant
7 /6 /2009	ST6	10:39:00 AM	American Tree Sparrow	1	Traveling	Air	Near
7 /6 /2009	ST6	10:39:00 AM	Arctic Tern	2	Feeding	Water	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Redpoll (unidentified)	7	Traveling	Air	Near
7 /6 /2009	ST7	09:45:00 AM	Northern Pintail	1	Traveling	Air	Near
7 /6 /2009	ST7	09:45:00 AM	Black-capped Chickadee	2	Traveling	Air	Near
7 /6 /2009	ST7	09:45:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Northern Pintail	4	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /6 /2009	ST7	09:45:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
7 /6 /2009	ST7	09:45:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Glaucous Gull	2	Resting	Water	Distant
7 /6 /2009	ST7	09:45:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	14	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Red-throated Loon	2	Resting	Water	Distant
7 /6 /2009	ST7	09:45:00 AM	Mew Gull	3	Traveling	Air	Near
7 /6 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Arctic Tern	2	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	40	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Mallard	1	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	60	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	8	Traveling	Air	Far Distant
7 /6 /2009	ST7	09:45:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
7 /6 /2009	ST7	09:45:00 AM	Scoter (?)	6	Traveling	Air	Very Far Distant
7 /6 /2009	ST7	09:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /6 /2009	ST7	09:45:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
7 /6 /2009	ST7	09:45:00 AM	Red-throated Loon	2	Traveling	Air	Distant
7 /6 /2009	ST7	09:45:00 AM	Mew Gull	2	Resting	Water	Distant
7 /6 /2009	ST7	09:45:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
7 /6 /2009	ST8	11:05:00 AM	Bank Swallow	1	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Mew Gull	3	Traveling	Air	Distant
7 /6 /2009	ST8	11:05:00 AM	Arctic Tern	1	Feeding	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /6 /2009	ST8	11:05:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
7 /6 /2009	ST8	11:05:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
7 /6 /2009	ST8	11:05:00 AM	Northern Shoveler	2	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
7 /6 /2009	ST8	11:05:00 AM	Mew Gull	1	Feeding	Water	Distant
7 /6 /2009	ST8	11:05:00 AM	Sabine's Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /6 /2009	ST8	11:05:00 AM	Pacific Loon	1	Traveling	Air	Distant
7 /6 /2009	ST8	11:05:00 AM	Arctic Tern	6	Traveling	Air	Distant
7 /6 /2009	ST8	11:05:00 AM	Red-throated Loon	1	Resting	Water	Distant
7 /6 /2009	ST8	11:05:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
7 /6 /2009	ST8	11:05:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /6 /2009	ST8	11:05:00 AM	Least/Semipalmated/Western Sandpiper	3	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Savannah Sparrow	1	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Duck (unidentified)	4	Traveling	Air	Far Distant
7 /6 /2009	ST8	11:05:00 AM	Human	1	Traveling	Water	Very Far Distant
7 /6 /2009	ST8	11:05:00 AM	Loon (unidentified)	2	Traveling	Air	Far Distant
7 /6 /2009	ST8	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /6 /2009	ST8	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /6 /2009	ST8	11:05:00 AM	Mew Gull	12	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Arctic Tern	7	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /6 /2009	ST8	11:05:00 AM	Gull (unidentified)	7	Traveling	Air	Far Distant
7 /6 /2009	ST8	11:05:00 AM	Western Sandpiper	2	Feeding	Land	Near
7 /6 /2009	ST8	11:05:00 AM	Short-eared Owl	1	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Northern Pintail	1	Traveling	Air	Near
7 /6 /2009	ST8	11:05:00 AM	Mew Gull	1	Resting	Water	Distant
7 /6 /2009	ST9	12:15:00 PM	Shorebird (unidentified)	7	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
7 /6 /2009	ST9	12:15:00 PM	Semipalmated Sandpiper	2	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Redpoll (unidentified)	6	Resting	Land	Near
7 /6 /2009	ST9	12:15:00 PM	Redpoll (unidentified)	9	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /6 /2009	ST9	12:15:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Passerine (unidentified)	2	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Pacific Loon	2	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /6 /2009	ST9	12:15:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Arctic Tern	1	Resting	Water	Distant
7 /6 /2009	ST9	12:15:00 PM	Parasitic Jaeger	1	Resting	Land	Near
7 /6 /2009	ST9	12:15:00 PM	Shorebird (unidentified)	1	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Passerine (unidentified)	9	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Shorebird (unidentified)	1	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /6 /2009	ST9	12:15:00 PM	Seal (unidentified)	1	Traveling	Water	Distant
7 /6 /2009	ST9	12:15:00 PM	Duck (unidentified)	3	Resting	Water	Far Distant
7 /6 /2009	ST9	12:15:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Canada Goose	1	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Duck (unidentified)	2	Traveling	Air	Distant
7 /6 /2009	ST9	12:15:00 PM	Mew Gull	3	Traveling	Air	Near
7 /6 /2009	ST9	12:15:00 PM	Parasitic Jaeger	3	Traveling	Air	Far Distant
7 /6 /2009	ST9	12:15:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
7 /6 /2009	ST9	12:15:00 PM	Human	3	Traveling	Water	Near
7 /7 /2009	ST6	10:40:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /7 /2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /7 /2009	ST6	10:40:00 AM	American Wigeon	7	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /7 /2009	ST6	10:40:00 AM	Scaup (unidentified)	1	Traveling	Air	Far Distant
7 /7 /2009	ST6	10:40:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /7 /2009	ST6	10:40:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Mew Gull	2	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Black-bellied Plover	1	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /7 /2009	ST6	10:40:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /7 /2009	ST6	10:40:00 AM	Common Raven	1	Traveling	Air	Far Distant
7 /7 /2009	ST6	10:40:00 AM	Tundra Swan	1	Resting	Water	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /7 /2009	ST6	10:40:00 AM	Black Scoter	1	Traveling	Air	Distant
7 /7 /2009	ST6	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /7 /2009	ST6	10:40:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Mew Gull	5	Resting	Sandbar	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Tern (unidentified)	5	Traveling	Air	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Gull (unidentified)	7	Resting	Land	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Gull (unidentified)	9	Traveling	Air	Very Far Distant
7 /7 /2009	ST6	10:40:00 AM	Mew Gull	4	Resting	Sandbar	Far Distant
7 /7 /2009	ST6	10:40:00 AM	Black-bellied Plover	1	Feeding	Land	Distant
7 /7 /2009	ST6	10:40:00 AM	Arctic Tern	2	Resting	Sandbar	Far Distant
7 /7 /2009	ST6	10:40:00 AM	Wilson's (Common) Snipe	10	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Northern Pintail	5	Traveling	Air	Distant
7 /7 /2009	ST7	02:00:00 PM	Northern Pintail	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Calidrid Sandpiper	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Parasitic Jaeger	2	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /7 /2009	ST7	02:00:00 PM	Arctic Tern	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Mew Gull	10	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Dunlin	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Northern Shoveler (?)	2	Traveling	Air	Distant
7 /7 /2009	ST7	02:00:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /7 /2009	ST7	02:00:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Mew Gull	4	Traveling	Air	Distant
7 /7 /2009	ST7	02:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /7 /2009	ST7	02:00:00 PM	Arctic Tern	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /7 /2009	ST7	02:00:00 PM	Glaucous-winged Gull	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /7 /2009	ST7	02:00:00 PM	American Tree Sparrow	1	Traveling	Air	Near
7 /7 /2009	ST7	02:00:00 PM	Canada Goose	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /7 /2009	ST8	12:35:00 PM	Glaucous Gull	1	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Mew Gull	1	Feeding	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Arctic Tern	2	Feeding	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Parasitic Jaeger	1	Resting	Water	Near
7 /7 /2009	ST8	12:35:00 PM	Mallard	1	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /7 /2009	ST8	12:35:00 PM	Parasitic Jaeger	2	Feeding	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /7 /2009	ST8	12:35:00 PM	Arctic Tern	6	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Glaucous Gull	4	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /7 /2009	ST8	12:35:00 PM	Parasitic Jaeger	6	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Arctic Tern	10	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Whimbrel/Curlew	4	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Mew Gull	3	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
7 /7 /2009	ST8	12:35:00 PM	Whimbrel	2	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Pacific Loon	2	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Mew Gull	16	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Gull (unidentified)	3	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Whimbrel/Curlew	4	Traveling	Air	Far Distant
7 /7 /2009	ST8	12:35:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Mew Gull	2	Resting	Water	Distant
7 /7 /2009	ST8	12:35:00 PM	Green-winged Teal	1	Traveling	Air	Near
7 /7 /2009	ST8	12:35:00 PM	Whimbrel/Curlew	4	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Arctic Tern	5	Traveling	Air	Distant
7 /7 /2009	ST8	12:35:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /7 /2009	ST8	12:35:00 PM	Calidrid Sandpiper	2	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
7 /7 /2009	ST9	11:20:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /7 /2009	ST9	11:20:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /7 /2009	ST9	11:20:00 AM	White-winged Scoter	24	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /7 /2009	ST9	11:20:00 AM	Black Scoter	2	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Swallow (unidentified)	1	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Redpoll (unidentified)	4	Resting	Land	Near
7 /7 /2009	ST9	11:20:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /7 /2009	ST9	11:20:00 AM	Passerine (unidentified)	2	Resting	Land	Distant
7 /7 /2009	ST9	11:20:00 AM	Passerine (unidentified)	6	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Least/Semipalmated/Western Sandpiper	2	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Arctic Tern	3	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Duck (unidentified)	15	Traveling	Air	Far Distant
7 /7 /2009	ST9	11:20:00 AM	Arctic Tern	5	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Black Scoter	10	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Bird (unidentified)	2	Traveling	Air	Far Distant
7 /7 /2009	ST9	11:20:00 AM	Parasitic Jaeger	2	Resting	Land	Distant
7 /7 /2009	ST9	11:20:00 AM	Mew Gull	2	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Mew Gull	1	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /7 /2009	ST9	11:20:00 AM	Northern Pintail	1	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Shorebird (unidentified)	6	Traveling	Air	Very Far Distant
7 /7 /2009	ST9	11:20:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
7 /7 /2009	ST9	11:20:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /7 /2009	ST9	11:20:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /7 /2009	ST9	11:20:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
7 /7 /2009	ST9	11:20:00 AM	Duck (unidentified)	3	Resting	Water	Far Distant
7 /7 /2009	ST9	11:20:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /7 /2009	ST9	11:20:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Near
7 /7 /2009	ST9	11:20:00 AM	Glaucous Gull	1	Feeding	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /8 /2009	ST1	12:32:00 PM	Glaucous Gull	2	Resting	Water	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Brant	1	Resting	Sandbar	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	1	Traveling	Air	Near
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	5	Resting	Sandbar	Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	3	Feeding	Water	Near
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	2	Resting	Water	Distant
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	6	Resting	Land	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	2	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /8 /2009	ST1	12:32:00 PM	Arctic Tern	1	Resting	Sandbar	Far Distant
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Tundra Swan	6	Feeding	Land	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	9	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Arctic Tern	4	Feeding	Water	Far Distant
7 /8 /2009	ST1	12:32:00 PM	Human	3	Traveling	Water	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	5	Traveling	Air	Near
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Arctic Tern	9	Traveling	Air	Far Distant
7 /8 /2009	ST1	12:32:00 PM	Human	3	Traveling	Water	Near
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	3	Resting	Land	Far Distant
7 /8 /2009	ST1	12:32:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	3	Traveling	Air	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	American Tree Sparrow	2	Traveling	Air	Near
7 /8 /2009	ST1	12:32:00 PM	Human	3	Traveling	Water	Near
7 /8 /2009	ST1	12:32:00 PM	Human	2	Traveling	Water	Very Far Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	2	Traveling	Air	Distant
7 /8 /2009	ST1	12:32:00 PM	Mew Gull	3	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /8 /2009	ST1	12:32:00 PM	Black-bellied Plover	2	Feeding	Sandbar	Distant
7 /8 /2009	ST6	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	8	Traveling	Air	Near
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	20	Resting	Sandbar	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	5	Traveling	Air	Near
7 /8 /2009	ST6	11:05:00 AM	Gull (unidentified)	59	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Arctic Tern	2	Feeding	Sandbar	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	3	Resting	Land	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	10	Traveling	Air	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Gull (unidentified)	23	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	1	Resting	Sandbar	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Gull (unidentified)	3	Resting	Water	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Gull (unidentified)	13	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	3	Resting	Sandbar	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /8 /2009	ST6	11:05:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /8 /2009	ST6	11:05:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Black-bellied Plover	1	Traveling	Air	Near
7 /8 /2009	ST6	11:05:00 AM	Black-bellied Plover	2	Traveling	Air	Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	1	Resting	Water	Near
7 /8 /2009	ST6	11:05:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	4	Resting	Land	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Black Scoter	3	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /8 /2009	ST6	11:05:00 AM	Human	2	Traveling	Water	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Black-bellied Plover	1	Feeding	Land	Far Distant
7 /8 /2009	ST6	11:05:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /8 /2009	ST6	11:05:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /8 /2009	ST7	10:00:00 AM	Arctic Tern	2	Traveling	Air	Distant
7 /8 /2009	ST7	10:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /8 /2009	ST7	10:00:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
7 /8 /2009	ST7	10:00:00 AM	Common Raven	1	Traveling	Air	Distant
7 /8 /2009	ST7	10:00:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
7 /8 /2009	ST7	10:00:00 AM	Dunlin	1	Resting	Land	Distant
7 /8 /2009	ST7	10:00:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST7	10:00:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
7 /8 /2009	ST7	10:00:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST7	10:00:00 AM	Mew Gull	21	Traveling	Air	Near
7 /8 /2009	ST7	10:00:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /8 /2009	ST7	10:00:00 AM	Harbor/Spotted Seal	1	Traveling	Water	Near
7 /8 /2009	ST7	10:00:00 AM	Pacific Loon	3	Traveling	Air	Far Distant
7 /8 /2009	ST7	10:00:00 AM	Arctic Tern	3	Traveling	Air	Near
7 /8 /2009	ST7	10:00:00 AM	Loon (?)	3	Traveling	Air	Very Far Distant
7 /8 /2009	ST7	10:00:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /8 /2009	ST7	10:00:00 AM	Shorebird (unidentified)	3	Traveling	Air	Distant
7 /8 /2009	ST7	10:00:00 AM	Mew Gull	5	Traveling	Air	Distant
7 /8 /2009	ST7	10:00:00 AM	Arctic Tern	4	Traveling	Air	Distant
7 /8 /2009	ST7	10:00:00 AM	Glaucous Gull	3	Traveling	Air	Near
7 /8 /2009	ST7	10:00:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /8 /2009	ST7	10:00:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /8 /2009	ST7	10:00:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST8	11:25:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
7 /8 /2009	ST8	11:25:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /8 /2009	ST8	11:25:00 AM	Pacific Loon	4	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Human	2	Traveling	Water	Distant
7 /8 /2009	ST8	11:25:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
7 /8 /2009	ST8	11:25:00 AM	Loon (unidentified)	3	Traveling	Air	Very Far Distant
7 /8 /2009	ST8	11:25:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /8 /2009	ST8	11:25:00 AM	Human	1	Traveling	Water	Very Far Distant
7 /8 /2009	ST8	11:25:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Common Merganser	1	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
7 /8 /2009	ST8	11:25:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /8 /2009	ST8	11:25:00 AM	Northern Pintail	1	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	6	Feeding	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	4	Traveling	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Mew Gull	2	Traveling	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
7 /8 /2009	ST8	11:25:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	3	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	1	Feeding	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Mew Gull	19	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
7 /8 /2009	ST8	11:25:00 AM	Western Sandpiper	4	Feeding	Sandbar	Near
7 /8 /2009	ST8	11:25:00 AM	Arctic Tern	2	Resting	Sandbar	Distant
7 /8 /2009	ST8	11:25:00 AM	Mallard	1	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Green-winged Teal	1	Traveling	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Pacific Loon	1	Traveling	Air	Distant
7 /8 /2009	ST8	11:25:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /8 /2009	ST8	11:25:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Passerine (unidentified)	19	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Glaucous Gull	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Passerine (unidentified)	1	Resting	Land	Distant
7 /8 /2009	ST9	01:35:00 PM	Duck (unidentified)	11	Traveling	Air	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Pelagic Cormorant	1	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Calidrid Sandpiper	2	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /8 /2009	ST9	01:35:00 PM	Waterfowl (unidentified)	1	Resting	Water	Very Far Distant
7 /8 /2009	ST9	01:35:00 PM	Shorebird (unidentified)	9	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
7 /8 /2009	ST9	01:35:00 PM	Glaucous/Glaucous-winged Gull	1	Resting	Sandbar	Distant
7 /8 /2009	ST9	01:35:00 PM	Arctic Tern	8	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Duck (unidentified)	3	Traveling	Air	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Mew Gull	9	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Red-throated Loon (?)	1	Traveling	Air	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Loon (unidentified)	1	Resting	Water	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	American Wigeon	2	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Human	2	Resting	Land	Distant
7 /8 /2009	ST9	01:35:00 PM	Pacific Loon	1	Resting	Water	Distant
7 /8 /2009	ST9	01:35:00 PM	Northern Pintail	8	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
7 /8 /2009	ST9	01:35:00 PM	Mallard	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Gull (unidentified)	3	Traveling	Air	Distant
7 /8 /2009	ST9	01:35:00 PM	Tundra Swan	7	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Human	2	Traveling	Water	Near
7 /8 /2009	ST9	01:35:00 PM	Whimbrel/Curlew	2	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
7 /8 /2009	ST9	01:35:00 PM	Arctic Tern	3	Traveling	Air	Near
7 /8 /2009	ST9	01:35:00 PM	Red-necked Phalarope	11	Traveling	Air	Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	35	Resting	Land	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Human	4	Traveling	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	29	Resting	Land	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	59	Resting	Land	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Arctic Tern	11	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	7	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	2	Traveling	Air	Near
7 /9 /2009	ST1	12:25:00 PM	Parasitic Jaeger	2	Traveling	Air	Distant
7 /9 /2009	ST1	12:25:00 PM	Black-bellied Plover	2	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Common Raven	1	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Redpoll (unidentified)	2	Traveling	Air	Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	3	Traveling	Air	Distant
7 /9 /2009	ST1	12:25:00 PM	American Tree Sparrow	3	Traveling	Air	Near
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	3	Resting	Sandbar	Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	2	Traveling	Air	Near
7 /9 /2009	ST1	12:25:00 PM	American Tree Sparrow	4	Traveling	Air	Near
7 /9 /2009	ST1	12:25:00 PM	Black-bellied Plover	8	Feeding	Sandbar	Distant
7 /9 /2009	ST1	12:25:00 PM	Brant	1	Feeding	Sandbar	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	2	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Arctic Tern	5	Traveling	Air	Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	1	Resting	Sandbar	Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	15	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	3	Traveling	Air	Near
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	3	Resting	Water	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Human	2	Traveling	Water	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Human	1	Subsist	Water	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	2	Feeding	Water	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	4	Traveling	Air	Near
7 /9 /2009	ST1	12:25:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /9 /2009	ST1	12:25:00 PM	Glaucous Gull	1	Resting	Sandbar	Distant
7 /9 /2009	ST1	12:25:00 PM	Human	2	Traveling	Water	Near
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	2	Feeding	Sandbar	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Mew Gull	1	Feeding	Water	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Arctic Tern	12	Traveling	Air	Far Distant
7 /9 /2009	ST1	12:25:00 PM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Human	2	Subsist	Water	Very Far Distant
7 /9 /2009	ST1	12:25:00 PM	Shorebird (unidentified)	1	Traveling	Air	Distant
7 /9 /2009	ST6	10:45:00 AM	Arctic Tern	2	Resting	Sandbar	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	11	Feeding	Water	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	1	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Varied Thrush	1	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	1	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Black Scoter	1	Traveling	Air	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	4	Resting	Land	Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	5	Resting	Sandbar	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Gull (unidentified)	59	Feeding	Water	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Gull (unidentified)	24	Traveling	Air	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	7	Resting	Sandbar	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Black-bellied Plover	2	Feeding	Sandbar	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	11	Resting	Sandbar	Distant
7 /9 /2009	ST6	10:45:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	24	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	6	Traveling	Air	Far Distant
7 /9 /2009	ST6	10:45:00 AM	Gull (unidentified)	17	Traveling	Air	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Gull (unidentified)	30	Resting	Land	Very Far Distant
7 /9 /2009	ST6	10:45:00 AM	Mew Gull	12	Traveling	Air	Far Distant
7 /9 /2009	ST7	10:10:00 AM	Loon (unidentified)	8	Traveling	Air	Very Far Distant
7 /9 /2009	ST7	10:10:00 AM	Duck (unidentified)	1	Resting	Sandbar	Far Distant
7 /9 /2009	ST7	10:10:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST7	10:10:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
7 /9 /2009	ST7	10:10:00 AM	Red-throated Loon	1	Resting	Water	Distant
7 /9 /2009	ST7	10:10:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /9 /2009	ST7	10:10:00 AM	Loon (unidentified)	2	Traveling	Air	Far Distant
7 /9 /2009	ST7	10:10:00 AM	Calidrid Sandpiper	5	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /9 /2009	ST7	10:10:00 AM	Whimbrel/Curlew	1	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Bank Swallow	1	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Arctic Tern	2	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST7	10:10:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /9 /2009	ST7	10:10:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST7	10:10:00 AM	Arctic Tern	6	Traveling	Air	Distant
7 /9 /2009	ST7	10:10:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Mew Gull	10	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Passerine (unidentified)	4	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Redpoll (unidentified)	6	Traveling	Air	Near
7 /9 /2009	ST7	10:10:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /9 /2009	ST7	10:10:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /9 /2009	ST8	11:30:00 AM	Arctic Tern	3	Traveling	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Pacific Loon	2	Traveling	Air	Near
7 /9 /2009	ST8	11:30:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /9 /2009	ST8	11:30:00 AM	Mew Gull	1	Feeding	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Parasitic Jaeger	1	Feeding	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /9 /2009	ST8	11:30:00 AM	Calidrid Sandpiper	2	Traveling	Air	Near
7 /9 /2009	ST8	11:30:00 AM	Shorebird (unidentified)	20	Traveling	Air	Far Distant
7 /9 /2009	ST8	11:30:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Sandbar	Distant
7 /9 /2009	ST8	11:30:00 AM	Arctic Tern	8	Traveling	Air	Near
7 /9 /2009	ST8	11:30:00 AM	Arctic Tern	5	Traveling	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /9 /2009	ST8	11:30:00 AM	Gull (unidentified)	2	Resting	Sandbar	Far Distant
7 /9 /2009	ST8	11:30:00 AM	Arctic Tern	3	Traveling	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Mew Gull	5	Traveling	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Mew Gull	12	Traveling	Air	Near
7 /9 /2009	ST8	11:30:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
7 /9 /2009	ST8	11:30:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /9 /2009	ST8	11:30:00 AM	Arctic Tern	6	Traveling	Air	Very Far Distant
7 /9 /2009	ST8	11:30:00 AM	Mew Gull	1	Resting	Sandbar	Near
7 /9 /2009	ST8	11:30:00 AM	Dowitcher (unidentified)	3	Traveling	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
7 /9 /2009	ST8	11:30:00 AM	Red-throated Loon	1	Resting	Water	Distant
7 /9 /2009	ST8	11:30:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
7 /9 /2009	ST8	11:30:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
7 /9 /2009	ST8	11:30:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST9	12:50:00 PM	Gull (unidentified)	5	Traveling	Air	Far Distant
7 /9 /2009	ST9	12:50:00 PM	Mew Gull	4	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Duck (unidentified)	19	Traveling	Air	Far Distant
7 /9 /2009	ST9	12:50:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /9 /2009	ST9	12:50:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /9 /2009	ST9	12:50:00 PM	Black Scoter	1	Traveling	Air	Near
7 /9 /2009	ST9	12:50:00 PM	Red-throated Loon	2	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
7 /9 /2009	ST9	12:50:00 PM	Northern Pintail	1	Traveling	Air	Near
7 /9 /2009	ST9	12:50:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Shorebird (unidentified)	1	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /9 /2009	ST9	12:50:00 PM	Black Scoter	4	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Bank Swallow	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /9 /2009	ST9	12:50:00 PM	Mew Gull	1	Resting	Sandbar	Near
7 /9 /2009	ST9	12:50:00 PM	Red-necked Phalarope	1	Feeding	Sandbar	Distant
7 /9 /2009	ST9	12:50:00 PM	Dunlin	1	Feeding	Sandbar	Distant
7 /9 /2009	ST9	12:50:00 PM	Green-winged Teal	1	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
7 /9 /2009	ST9	12:50:00 PM	Red-throated Loon	1	Traveling	Air	Far Distant
7 /9 /2009	ST9	12:50:00 PM	Pacific Loon	1	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Mew Gull	9	Traveling	Air	Near
7 /9 /2009	ST9	12:50:00 PM	Passerine (unidentified)	23	Traveling	Air	Distant
7 /9 /2009	ST9	12:50:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /9 /2009	ST9	12:50:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /9 /2009	ST9	12:50:00 PM	Mew Gull	2	Traveling	Air	Distant
7 /10/2009	ST1	12:48:00 PM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Shorebird (unidentified)	5	Resting	Land	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	39	Resting	Sandbar	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	6	Resting	Sandbar	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	1	Feeding	Water	Far Distant
7 /10/2009	ST1	12:48:00 PM	Black-bellied Plover	5	Feeding	Sandbar	Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	3	Resting	Sandbar	Far Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	5	Resting	Land	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	70	Traveling	Air	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	7	Resting	Sandbar	Far Distant
7 /10/2009	ST1	12:48:00 PM	Human	2	Resting	Sandbar	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	13	Resting	Land	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	25	Resting	Land	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Human	3	Traveling	Water	Near
7 /10/2009	ST1	12:48:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /10/2009	ST1	12:48:00 PM	Mew Gull	8	Resting	Water	Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	2	Resting	Sandbar	Distant
7 /10/2009	ST1	12:48:00 PM	Human	6	Traveling	Water	Near
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	1	Feeding	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /10/2009	ST1	12:48:00 PM	Arctic Tern	22	Traveling	Air	Distant
7 /10/2009	ST1	12:48:00 PM	Arctic Tern	4	Resting	Sandbar	Distant
7 /10/2009	ST1	12:48:00 PM	Gull (unidentified)	7	Traveling	Air	Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	6	Traveling	Air	Distant
7 /10/2009	ST1	12:48:00 PM	Glaucous Gull	1	Feeding	Water	Far Distant
7 /10/2009	ST1	12:48:00 PM	Black-bellied Plover	1	Resting	Sandbar	Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	3	Traveling	Air	Distant
7 /10/2009	ST1	12:48:00 PM	Human	1	Traveling	Water	Near
7 /10/2009	ST1	12:48:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /10/2009	ST1	12:48:00 PM	Shorebird (unidentified)	30	Traveling	Air	Very Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	10	Traveling	Air	Near
7 /10/2009	ST1	12:48:00 PM	Glaucous Gull	2	Traveling	Air	Near
7 /10/2009	ST1	12:48:00 PM	Arctic Tern	42	Resting	Sandbar	Far Distant
7 /10/2009	ST1	12:48:00 PM	Glaucous Gull	1	Traveling	Air	Distant
7 /10/2009	ST1	12:48:00 PM	Tundra Swan	1	Traveling	Air	Far Distant
7 /10/2009	ST1	12:48:00 PM	Mew Gull	5	Traveling	Air	Near
7 /10/2009	ST6	11:11:00 AM	Gull (unidentified)	23	Resting	Sandbar	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Far Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	4	Traveling	Air	Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	5	Resting	Sandbar	Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /10/2009	ST6	11:11:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /10/2009	ST6	11:11:00 AM	Yellow Warbler	3	Traveling	Air	Near
7 /10/2009	ST6	11:11:00 AM	Mew Gull	28	Resting	Sandbar	Far Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	2	Resting	Sandbar	Far Distant
7 /10/2009	ST6	11:11:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
7 /10/2009	ST6	11:11:00 AM	Gull (unidentified)	19	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Arctic Tern	2	Traveling	Air	Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	1	Traveling	Air	Near
7 /10/2009	ST6	11:11:00 AM	Varied Thrush	6	Traveling	Air	Near
7 /10/2009	ST6	11:11:00 AM	Mew Gull	2	Traveling	Air	Near
7 /10/2009	ST6	11:11:00 AM	Gull (unidentified)	63	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Black-bellied Plover	1	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /10/2009	ST6	11:11:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
7 /10/2009	ST6	11:11:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Dark-eyed Junco	1	Resting	Land	Near
7 /10/2009	ST6	11:11:00 AM	Black-bellied Plover	1	Resting	Land	Far Distant
7 /10/2009	ST6	11:11:00 AM	Passerine (unidentified)	3	Traveling	Air	Far Distant
7 /10/2009	ST6	11:11:00 AM	Shorebird (unidentified)	3	Resting	Sandbar	Far Distant
7 /10/2009	ST6	11:11:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Pacific Loon	3	Traveling	Air	Far Distant
7 /10/2009	ST6	11:11:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /10/2009	ST6	11:11:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	1	Traveling	Air	Near
7 /10/2009	ST6	11:11:00 AM	Mew Gull	5	Traveling	Air	Distant
7 /10/2009	ST6	11:11:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /10/2009	ST6	11:11:00 AM	Black-bellied Plover	3	Feeding	Land	Far Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	8	Resting	Land	Far Distant
7 /10/2009	ST6	11:11:00 AM	Gull (unidentified)	10	Traveling	Air	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	3	Resting	Land	Very Far Distant
7 /10/2009	ST6	11:11:00 AM	Arctic Tern	3	Resting	Sandbar	Far Distant
7 /10/2009	ST6	11:11:00 AM	Mew Gull	7	Traveling	Air	Far Distant
7 /10/2009	ST6	11:11:00 AM	Shorebird (unidentified)	3	Resting	Sandbar	Far Distant
7 /10/2009	ST6	11:11:00 AM	Redpoll (unidentified)	2	Traveling	Air	Distant
7 /10/2009	ST7	12:20:00 PM	Gull (unidentified)	7	Resting	Sandbar	Far Distant
7 /10/2009	ST7	12:20:00 PM	Passerine (unidentified)	2	Traveling	Air	Distant
7 /10/2009	ST7	12:20:00 PM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /10/2009	ST7	12:20:00 PM	Gull (unidentified)	9	Resting	Water	Very Far Distant
7 /10/2009	ST7	12:20:00 PM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
7 /10/2009	ST7	12:20:00 PM	Mew Gull	3	Traveling	Air	Near
7 /10/2009	ST7	12:20:00 PM	Calidrid Sandpiper	7	Traveling	Air	Near
7 /10/2009	ST7	12:20:00 PM	Green-winged Teal	7	Resting	Water	Near
7 /10/2009	ST7	12:20:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /10/2009	ST7	12:20:00 PM	Red-throated Loon	1	Feeding	Water	Distant
7 /10/2009	ST7	12:20:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
7 /10/2009	ST7	12:20:00 PM	Arctic Tern	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /10/2009	ST7	12:20:00 PM	Parasitic Jaeger	1	Resting	Water	Distant
7 /10/2009	ST7	12:20:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /10/2009	ST7	12:20:00 PM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
7 /10/2009	ST7	12:20:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /10/2009	ST7	12:20:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /10/2009	ST7	12:20:00 PM	Mew Gull	4	Resting	Water	Distant
7 /10/2009	ST7	12:20:00 PM	Red-throated Loon	1	Resting	Water	Distant
7 /10/2009	ST8	11:00:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /10/2009	ST8	11:00:00 AM	Arctic Tern	1	Feeding	Air	Far Distant
7 /10/2009	ST8	11:00:00 AM	Least/Semipalmated/Western Sandpiper	7	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Gull (unidentified)	5	Resting	Land	Very Far Distant
7 /10/2009	ST8	11:00:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /10/2009	ST8	11:00:00 AM	Pacific Loon	3	Resting	Water	Distant
7 /10/2009	ST8	11:00:00 AM	Least/Semipalmated/Western Sandpiper	2	Feeding	Sandbar	Near
7 /10/2009	ST8	11:00:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
7 /10/2009	ST8	11:00:00 AM	Mew Gull	5	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Mew Gull	2	Resting	Sandbar	Distant
7 /10/2009	ST8	11:00:00 AM	Black-bellied Plover	1	Resting	Sandbar	Distant
7 /10/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /10/2009	ST8	11:00:00 AM	Shorebird (unidentified)	1	Feeding	Sandbar	Distant
7 /10/2009	ST8	11:00:00 AM	Pacific Loon	4	Traveling	Air	Distant
7 /10/2009	ST8	11:00:00 AM	Arctic Tern	9	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Jaeger (unidentified)	1	Traveling	Air	Very Far Distant
7 /10/2009	ST8	11:00:00 AM	Gull (unidentified)	2	Resting	Sandbar	Far Distant
7 /10/2009	ST8	11:00:00 AM	Calidrid Sandpiper	8	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Western Sandpiper	1	Feeding	Sandbar	Near
7 /10/2009	ST8	11:00:00 AM	Mallard	1	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Mew Gull	2	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /10/2009	ST8	11:00:00 AM	Arctic Tern	3	Feeding	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /10/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
7 /10/2009	ST8	11:00:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /10/2009	ST8	11:00:00 AM	Pacific Loon	5	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Whimbrel/Curlew	2	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Greater Yellowlegs	2	Traveling	Air	Distant
7 /10/2009	ST8	11:00:00 AM	Passerine (unidentified)	2	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Calidrid Sandpiper	3	Traveling	Air	Near
7 /10/2009	ST8	11:00:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
7 /10/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /10/2009	ST8	11:00:00 AM	Bank Swallow	1	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Parasitic Jaeger	3	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Calidrid Sandpiper	1	Resting	Land	Distant
7 /10/2009	ST9	09:45:00 AM	Canada Goose	2	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Loon (unidentified)	1	Feeding	Water	Distant
7 /10/2009	ST9	09:45:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Mew Gull	8	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /10/2009	ST9	09:45:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Red-throated Loon	1	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Sandbar	Distant
7 /10/2009	ST9	09:45:00 AM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Gull (unidentified)	5	Traveling	Air	Far Distant
7 /10/2009	ST9	09:45:00 AM	Shorebird (unidentified)	4	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Gull (unidentified)	4	Resting	Water	Distant
7 /10/2009	ST9	09:45:00 AM	Gull (unidentified)	16	Resting	Sandbar	Distant
7 /10/2009	ST9	09:45:00 AM	Passerine (unidentified)	4	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Black Scoter	1	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Arctic Tern	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /10/2009	ST9	09:45:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /10/2009	ST9	09:45:00 AM	Passerine (unidentified)	7	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Mew Gull	2	Resting	Land	Distant
7 /10/2009	ST9	09:45:00 AM	Shorebird (unidentified)	6	Traveling	Air	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Canada Goose	2	Traveling	Air	Far Distant
7 /10/2009	ST9	09:45:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
7 /10/2009	ST9	09:45:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /10/2009	ST9	09:45:00 AM	Shorebird (unidentified)	3	Feeding	Sandbar	Distant
7 /10/2009	ST9	09:45:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Distant
7 /10/2009	ST9	09:45:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Glaucous Gull	4	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Savannah Sparrow	3	Traveling	Air	Near
7 /10/2009	ST9	09:45:00 AM	Calidrid Sandpiper	1	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Gull (unidentified)	2	Traveling	Air	Distant
7 /10/2009	ST9	09:45:00 AM	Loon (unidentified)	1	Resting	Water	Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	5	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	6	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Gull (unidentified)	8	Traveling	Air	Far Distant
7 /13/2009	ST6	10:26:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	3	Traveling	Air	Distant
7 /13/2009	ST6	10:26:00 AM	Tern (unidentified)	2	Feeding	Water	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Black Scoter	3	Traveling	Air	Far Distant
7 /13/2009	ST6	10:26:00 AM	Yellow Warbler	2	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Common Loon	1	Feeding	Water	Distant
7 /13/2009	ST6	10:26:00 AM	Pacific Loon	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /13/2009	ST6	10:26:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	3	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
7 /13/2009	ST6	10:26:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /13/2009	ST6	10:26:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	3	Resting	Water	Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	1	Resting	Sandbar	Far Distant
7 /13/2009	ST6	10:26:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /13/2009	ST6	10:26:00 AM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /13/2009	ST6	10:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /13/2009	ST6	10:26:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Northern Pintail	3	Traveling	Air	Distant
7 /13/2009	ST6	10:26:00 AM	Common Raven	1	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	American Tree Sparrow	2	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Mew Gull	2	Feeding	Water	Far Distant
7 /13/2009	ST6	10:26:00 AM	American Tree Sparrow	1	Traveling	Air	Near
7 /13/2009	ST6	10:26:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Human	4	Traveling	Water	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Glaucous Gull	2	Resting	Sandbar	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	8	Traveling	Air	Far Distant
7 /14/2009	ST1	12:50:00 PM	Human	1	Traveling	Water	Near
7 /14/2009	ST1	12:50:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Pacific Loon	1	Traveling	Air	Near
7 /14/2009	ST1	12:50:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Mew Gull	4	Traveling	Air	Far Distant
7 /14/2009	ST1	12:50:00 PM	Mew Gull	1	Feeding	Water	Near
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	8	Traveling	Air	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Mew Gull	1	Resting	Sandbar	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
7 /14/2009	ST1	12:50:00 PM	Mew Gull	1	Traveling	Air	Near
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	3	Resting	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /14/2009	ST1	12:50:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	1	Resting	Sandbar	Far Distant
7 /14/2009	ST1	12:50:00 PM	Mew Gull	28	Resting	Sandbar	Far Distant
7 /14/2009	ST1	12:50:00 PM	Pacific Loon	3	Feeding	Water	Far Distant
7 /14/2009	ST1	12:50:00 PM	Northern Pintail	1	Traveling	Air	Near
7 /14/2009	ST1	12:50:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	1	Traveling	Air	Near
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	6	Traveling	Air	Distant
7 /14/2009	ST1	12:50:00 PM	Human	5	Traveling	Water	Near
7 /14/2009	ST1	12:50:00 PM	Mew Gull	2	Traveling	Air	Distant
7 /14/2009	ST1	12:50:00 PM	Mew Gull	2	Traveling	Air	Distant
7 /14/2009	ST1	12:50:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /14/2009	ST1	12:50:00 PM	American Tree Sparrow	1	Traveling	Air	Distant
7 /14/2009	ST1	12:50:00 PM	Parasitic Jaeger	2	Feeding	Air	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant
7 /14/2009	ST1	12:50:00 PM	Gull (unidentified)	14	Feeding	Water	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Plover (unidentified)	4	Feeding	Sandbar	Distant
7 /14/2009	ST1	12:50:00 PM	Black Scoter	15	Traveling	Air	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
7 /14/2009	ST1	12:50:00 PM	Mew Gull	2	Traveling	Air	Near
7 /14/2009	ST1	12:50:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	2	Traveling	Air	Near
7 /14/2009	ST1	12:50:00 PM	Arctic Tern	2	Feeding	Water	Far Distant
7 /14/2009	ST6	11:12:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
7 /14/2009	ST6	11:12:00 AM	White-winged Scoter	31	Traveling	Air	Distant
7 /14/2009	ST6	11:12:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /14/2009	ST6	11:12:00 AM	Mew Gull	5	Traveling	Air	Near
7 /14/2009	ST6	11:12:00 AM	Mew Gull	2	Resting	Sandbar	Far Distant
7 /14/2009	ST6	11:12:00 AM	Black Scoter	2	Traveling	Air	Far Distant
7 /14/2009	ST6	11:12:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /14/2009	ST6	11:12:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /14/2009	ST6	11:12:00 AM	White-winged Scoter	10	Traveling	Air	Far Distant
7 /14/2009	ST6	11:12:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /14/2009	ST6	11:12:00 AM	Mew Gull	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /14/2009	ST6	11:12:00 AM	Arctic Tern	16	Feeding	Water	Far Distant
7 /14/2009	ST6	11:12:00 AM	Human	2	Traveling	Water	Very Far Distant
7 /14/2009	ST6	11:12:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /14/2009	ST6	11:12:00 AM	Glaucous Gull	2	Traveling	Air	Near
7 /14/2009	ST6	11:12:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /14/2009	ST6	11:12:00 AM	Mallard	6	Traveling	Air	Near
7 /14/2009	ST6	11:12:00 AM	Mew Gull	2	Traveling	Air	Distant
7 /14/2009	ST6	11:12:00 AM	Human	2	Resting	Land	Distant
7 /14/2009	ST6	11:12:00 AM	Arctic Tern	4	Feeding	Water	Distant
7 /14/2009	ST6	11:12:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
7 /14/2009	ST6	11:12:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /14/2009	ST6	11:12:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST6	11:12:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /14/2009	ST6	11:12:00 AM	Human	9	Traveling	Water	Near
7 /14/2009	ST7	09:40:00 AM	Greater Scaup	5	Traveling	Air	Far Distant
7 /14/2009	ST7	09:40:00 AM	Arctic Tern	1	Feeding	Air	Near
7 /14/2009	ST7	09:40:00 AM	Common Raven	1	Traveling	Air	Far Distant
7 /14/2009	ST7	09:40:00 AM	Common Raven	1	Traveling	Air	Near
7 /14/2009	ST7	09:40:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
7 /14/2009	ST7	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST7	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST7	09:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /14/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /14/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST7	09:40:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /14/2009	ST7	09:40:00 AM	Arctic Tern	14	Traveling	Air	Distant
7 /14/2009	ST7	09:40:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
7 /14/2009	ST7	09:40:00 AM	White-winged Scoter	31	Traveling	Air	Far Distant
7 /14/2009	ST7	09:40:00 AM	Gull (unidentified)	4	Traveling	Air	Distant
7 /14/2009	ST7	09:40:00 AM	Arctic Tern	8	Traveling	Air	Near
7 /14/2009	ST7	09:40:00 AM	Mew Gull	13	Traveling	Air	Near
7 /14/2009	ST7	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
7 /14/2009	ST7	09:40:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /14/2009	ST7	09:40:00 AM	Glaucous Gull	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /14/2009	ST7	09:40:00 AM	Northern Pintail	1	Traveling	Air	Distant
7 /14/2009	ST7	09:40:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /14/2009	ST7	09:40:00 AM	Mew Gull	3	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Passerine (unidentified)	2	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Red-throated Loon	1	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	White-winged Scoter	31	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Savannah Sparrow	1	Resting	Land	Near
7 /14/2009	ST8	10:55:00 AM	Northern Shoveler	3	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Gull (unidentified)	9	Resting	Sandbar	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /14/2009	ST8	10:55:00 AM	Savannah Sparrow	1	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Scoter (unidentified)	20	Resting	Water	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Red-throated Loon	1	Traveling	Air	Far Distant
7 /14/2009	ST8	10:55:00 AM	American Wigeon	1	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Mew Gull	20	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Western Sandpiper	1	Resting	Sandbar	Near
7 /14/2009	ST8	10:55:00 AM	Arctic Tern	2	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Glaucous Gull	6	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Whimbrel	3	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Arctic Tern	3	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
7 /14/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /14/2009	ST8	10:55:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Gull (unidentified)	7	Resting	Land	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /14/2009	ST8	10:55:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Shorebird (unidentified)	4	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Loon (unidentified)	3	Traveling	Air	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
7 /14/2009	ST8	10:55:00 AM	Mallard	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /14/2009	ST8	10:55:00 AM	Northern Shoveler	1	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Northern Pintail	2	Resting	Sandbar	Distant
7 /14/2009	ST8	10:55:00 AM	Northern Pintail	2	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Northern Pintail	1	Traveling	Air	Distant
7 /14/2009	ST8	10:55:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /14/2009	ST8	10:55:00 AM	White-winged Scoter	5	Traveling	Air	Far Distant
7 /14/2009	ST8	10:55:00 AM	Pacific Loon	3	Traveling	Air	Near
7 /14/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /14/2009	ST8	10:55:00 AM	Northern Shoveler	1	Resting	Sandbar	Near
7 /14/2009	ST8	10:55:00 AM	Savannah Sparrow	2	Resting	Land	Near
7 /14/2009	ST9	12:05:00 PM	Northern Pintail	1	Traveling	Air	Distant
7 /14/2009	ST9	12:05:00 PM	Passerine (unidentified)	1	Traveling	Air	Distant
7 /14/2009	ST9	12:05:00 PM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
7 /14/2009	ST9	12:05:00 PM	Red-necked Phalarope	2	Traveling	Air	Near
7 /14/2009	ST9	12:05:00 PM	Pacific Loon	3	Traveling	Air	Far Distant
7 /14/2009	ST9	12:05:00 PM	Arctic Tern	1	Traveling	Air	Near
7 /14/2009	ST9	12:05:00 PM	Savannah Sparrow	1	Traveling	Air	Near
7 /14/2009	ST9	12:05:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /14/2009	ST9	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /14/2009	ST9	12:05:00 PM	White-winged Scoter	35	Traveling	Air	Distant
7 /14/2009	ST9	12:05:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /14/2009	ST9	12:05:00 PM	Loon (unidentified)	2	Resting	Water	Very Far Distant
7 /14/2009	ST9	12:05:00 PM	Dunlin	1	Feeding	Sandbar	Near
7 /14/2009	ST9	12:05:00 PM	Mew Gull	6	Traveling	Air	Near
7 /14/2009	ST9	12:05:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /14/2009	ST9	12:05:00 PM	Western Sandpiper	3	Feeding	Sandbar	Near
7 /14/2009	ST9	12:05:00 PM	Common Merganser	2	Traveling	Air	Near
7 /14/2009	ST9	12:05:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /14/2009	ST9	12:05:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
7 /14/2009	ST9	12:05:00 PM	Black Scoter	3	Traveling	Air	Distant
7 /14/2009	ST9	12:05:00 PM	Western Sandpiper	5	Feeding	Sandbar	Near
7 /14/2009	ST9	12:05:00 PM	Red-necked Phalarope	1	Feeding	Sandbar	Near
7 /14/2009	ST9	12:05:00 PM	Northern Pintail	4	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /14/2009	ST9	12:05:00 PM	Gull (unidentified)	1	Feeding	Sandbar	Distant
7 /14/2009	ST9	12:05:00 PM	Arctic Tern	2	Traveling	Air	Distant
7 /14/2009	ST9	12:05:00 PM	Scoter (unidentified)	20	Resting	Water	Very Far Distant
7 /14/2009	ST9	12:05:00 PM	Arctic Tern	4	Traveling	Air	Near
7 /14/2009	ST9	12:05:00 PM	Gull (unidentified)	11	Resting	Sandbar	Very Far Distant
7 /14/2009	ST9	12:05:00 PM	Arctic Tern	3	Traveling	Air	Far Distant
7 /14/2009	ST9	12:05:00 PM	Calidrid Sandpiper	2	Traveling	Air	Distant
7 /14/2009	ST9	12:05:00 PM	Mew Gull	4	Traveling	Air	Distant
7 /14/2009	ST9	12:05:00 PM	Redpoll (unidentified)	2	Resting	Land	Near
7 /14/2009	ST9	12:05:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /15/2009	ST1	12:20:00 PM	Mew Gull	3	Traveling	Air	Near
7 /15/2009	ST1	12:20:00 PM	American Tree Sparrow	1	Traveling	Air	Near
7 /15/2009	ST1	12:20:00 PM	Human	3	Traveling	Water	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Human	3	Traveling	Water	Near
7 /15/2009	ST1	12:20:00 PM	Arctic Tern	6	Traveling	Air	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	9	Resting	Sandbar	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	3	Traveling	Air	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /15/2009	ST1	12:20:00 PM	Redpoll (unidentified)	5	Traveling	Air	Distant
7 /15/2009	ST1	12:20:00 PM	Arctic Tern	5	Resting	Sandbar	Distant
7 /15/2009	ST1	12:20:00 PM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /15/2009	ST1	12:20:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	3	Resting	Sandbar	Distant
7 /15/2009	ST1	12:20:00 PM	American Tree Sparrow	1	Traveling	Air	Near
7 /15/2009	ST1	12:20:00 PM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Mew Gull	26	Resting	Sandbar	Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Arctic Tern	15	Traveling	Air	Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	2	Traveling	Air	Near
7 /15/2009	ST1	12:20:00 PM	Mew Gull	1	Traveling	Air	Near
7 /15/2009	ST1	12:20:00 PM	Glaucous Gull	1	Resting	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /15/2009	ST1	12:20:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /15/2009	ST1	12:20:00 PM	Arctic Tern	9	Traveling	Air	Far Distant
7 /15/2009	ST1	12:20:00 PM	Mew Gull	2	Traveling	Air	Distant
7 /15/2009	ST6	10:29:00 AM	Human	4	Traveling	Water	Near
7 /15/2009	ST6	10:29:00 AM	Tern (unidentified)	6	Traveling	Air	Very Far Distant
7 /15/2009	ST6	10:29:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /15/2009	ST6	10:29:00 AM	Northern Pintail	1	Traveling	Air	Near
7 /15/2009	ST6	10:29:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /15/2009	ST6	10:29:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /15/2009	ST6	10:29:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /15/2009	ST6	10:29:00 AM	Pacific Loon	2	Traveling	Air	Near
7 /15/2009	ST6	10:29:00 AM	Mew Gull	3	Traveling	Air	Near
7 /15/2009	ST6	10:29:00 AM	Mew Gull	1	Traveling	Air	Near
7 /15/2009	ST6	10:29:00 AM	Mew Gull	5	Traveling	Air	Near
7 /15/2009	ST6	10:29:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /15/2009	ST6	10:29:00 AM	Arctic Tern	7	Traveling	Air	Distant
7 /15/2009	ST6	10:29:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /15/2009	ST6	10:29:00 AM	White-winged Scoter	7	Traveling	Air	Very Far Distant
7 /15/2009	ST7	09:30:00 AM	Red-throated Loon	3	Traveling	Air	Near
7 /15/2009	ST7	09:30:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /15/2009	ST7	09:30:00 AM	Arctic Tern	5	Traveling	Air	Near
7 /15/2009	ST7	09:30:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /15/2009	ST7	09:30:00 AM	Mew Gull	4	Traveling	Air	Far Distant
7 /15/2009	ST7	09:30:00 AM	Redpoll (unidentified)	11	Traveling	Air	Near
7 /15/2009	ST7	09:30:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
7 /15/2009	ST7	09:30:00 AM	Bald Eagle	1	Traveling	Air	Far Distant
7 /15/2009	ST7	09:30:00 AM	Red-throated Loon	1	Traveling	Air	Far Distant
7 /15/2009	ST7	09:30:00 AM	Northern Shoveler	1	Traveling	Air	Distant
7 /15/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /15/2009	ST7	09:30:00 AM	Arctic Tern	6	Traveling	Air	Far Distant
7 /15/2009	ST7	09:30:00 AM	Mew Gull	10	Traveling	Air	Near
7 /15/2009	ST7	09:30:00 AM	Glaucous Gull	2	Traveling	Air	Near
7 /15/2009	ST7	09:30:00 AM	Beaver	1	Traveling	Water	Near
7 /15/2009	ST7	09:30:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /15/2009	ST7	09:30:00 AM	Duck (unidentified)	9	Traveling	Air	Very Far Distant
7 /15/2009	ST7	09:30:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
7 /15/2009	ST7	09:30:00 AM	Scaup (unidentified)	5	Traveling	Air	Very Far Distant
7 /15/2009	ST7	09:30:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Northern Shoveler	1	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Pacific Loon	3	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Black Turnstone	1	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Glaucous Gull	8	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Common Raven	1	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /15/2009	ST8	10:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Savannah Sparrow	1	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Red-necked Phalarope	2	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /15/2009	ST8	10:45:00 AM	Pacific Loon	3	Traveling	Air	Distant
7 /15/2009	ST8	10:45:00 AM	Owl (unidentified)	1	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Pacific Loon	1	Traveling	Air	Distant
7 /15/2009	ST8	10:45:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Mew Gull	22	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Arctic Tern	5	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Glaucous Gull	4	Resting	Sandbar	Far Distant
7 /15/2009	ST8	10:45:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
7 /15/2009	ST8	10:45:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /15/2009	ST8	10:45:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Calidrid Sandpiper	2	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Glaucous Gull	4	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Gull (unidentified)	20	Traveling	Air	Very Far Distant
7 /15/2009	ST8	10:45:00 AM	Shorebird (unidentified)	27	Feeding	Sandbar	Far Distant
7 /15/2009	ST8	10:45:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Arctic Tern	8	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /15/2009	ST8	10:45:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /15/2009	ST8	10:45:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Plover (unidentified)	1	Traveling	Air	Near
7 /15/2009	ST8	10:45:00 AM	Mew Gull	2	Traveling	Air	Distant
7 /15/2009	ST8	10:45:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
7 /15/2009	ST8	10:45:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
7 /15/2009	ST9	12:00:00 PM	Red-throated Loon	1	Resting	Water	Far Distant
7 /15/2009	ST9	12:00:00 PM	Northern Pintail	1	Resting	Sandbar	Near
7 /15/2009	ST9	12:00:00 PM	Arctic Tern	2	Traveling	Air	Near
7 /15/2009	ST9	12:00:00 PM	Red-necked Phalarope	3	Traveling	Air	Distant
7 /15/2009	ST9	12:00:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /15/2009	ST9	12:00:00 PM	Wilson's (Common) Snipe	1	Traveling	Air	Near
7 /15/2009	ST9	12:00:00 PM	Pacific Loon	1	Traveling	Air	Distant
7 /15/2009	ST9	12:00:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
7 /15/2009	ST9	12:00:00 PM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
7 /15/2009	ST9	12:00:00 PM	Western Sandpiper	1	Traveling	Air	Near
7 /15/2009	ST9	12:00:00 PM	Shorebird (unidentified)	2	Feeding	Sandbar	Far Distant
7 /15/2009	ST9	12:00:00 PM	Arctic Tern	5	Traveling	Air	Far Distant
7 /15/2009	ST9	12:00:00 PM	Northern Pintail	2	Traveling	Air	Distant
7 /15/2009	ST9	12:00:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /15/2009	ST9	12:00:00 PM	Mew Gull	8	Traveling	Air	Near
7 /15/2009	ST9	12:00:00 PM	Glaucous Gull	2	Traveling	Air	Distant
7 /15/2009	ST9	12:00:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
7 /15/2009	ST9	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /15/2009	ST9	12:00:00 PM	Whimbrel	1	Traveling	Air	Distant
7 /15/2009	ST9	12:00:00 PM	Arctic Tern	5	Traveling	Air	Far Distant
7 /15/2009	ST9	12:00:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
7 /15/2009	ST9	12:00:00 PM	Arctic Tern	10	Traveling	Air	Very Far Distant
7 /15/2009	ST9	12:00:00 PM	Glaucous Gull	3	Resting	Water	Far Distant
7 /15/2009	ST9	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
7 /15/2009	ST9	12:00:00 PM	Shorebird (unidentified)	15	Traveling	Air	Distant
7 /16/2009	ST6	10:22:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	White-winged Scoter	1	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /16/2009	ST6	10:22:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Black Scoter	5	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
7 /16/2009	ST6	10:22:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /16/2009	ST6	10:22:00 AM	Black-bellied Plover	1	Traveling	Air	Near
7 /16/2009	ST6	10:22:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	Mallard	1	Traveling	Air	Near
7 /16/2009	ST6	10:22:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /16/2009	ST6	10:22:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /16/2009	ST6	10:22:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /16/2009	ST6	10:22:00 AM	White-winged Scoter	1	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	Glaucous Gull	4	Resting	Water	Far Distant
7 /16/2009	ST6	10:22:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /16/2009	ST6	10:22:00 AM	Surf Scoter	2	Traveling	Air	Distant
7 /16/2009	ST6	10:22:00 AM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	American Wigeon	1	Traveling	Air	Near
7 /16/2009	ST6	10:22:00 AM	Mew Gull	3	Traveling	Air	Near
7 /16/2009	ST6	10:22:00 AM	Black-bellied Plover	8	Traveling	Air	Near
7 /16/2009	ST6	10:22:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
7 /16/2009	ST6	10:22:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /16/2009	ST6	10:22:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
7 /16/2009	ST7	11:15:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
7 /16/2009	ST7	11:15:00 AM	Mew Gull	5	Traveling	Air	Near
7 /16/2009	ST7	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /16/2009	ST7	11:15:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /16/2009	ST7	11:15:00 AM	Savannah Sparrow	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /16/2009	ST7	11:15:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /16/2009	ST7	11:15:00 AM	Northern Shoveler	1	Resting	Land	Far Distant
7 /16/2009	ST7	11:15:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /16/2009	ST7	11:15:00 AM	Sandhill Crane	2	Traveling	Air	Distant
7 /16/2009	ST7	11:15:00 AM	Mew Gull	4	Traveling	Air	Far Distant
7 /16/2009	ST7	11:15:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /16/2009	ST7	11:15:00 AM	Arctic Tern	6	Traveling	Air	Very Far Distant
7 /16/2009	ST7	11:15:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
7 /16/2009	ST8	12:35:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /16/2009	ST8	12:35:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /16/2009	ST8	12:35:00 PM	Savannah Sparrow	2	Traveling	Air	Distant
7 /16/2009	ST8	12:35:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /16/2009	ST8	12:35:00 PM	Least/Semipalmated/Western Sandpiper	8	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
7 /16/2009	ST8	12:35:00 PM	Duck (unidentified)	2	Traveling	Air	Far Distant
7 /16/2009	ST8	12:35:00 PM	Western Sandpiper	4	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Plover (unidentified)	1	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Calidrid Sandpiper	4	Traveling	Air	Distant
7 /16/2009	ST8	12:35:00 PM	Glaucous Gull	2	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Western Sandpiper	1	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Human	1	Traveling	Water	Very Far Distant
7 /16/2009	ST8	12:35:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /16/2009	ST8	12:35:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /16/2009	ST8	12:35:00 PM	Shorebird (unidentified)	44	Feeding	Sandbar	Far Distant
7 /16/2009	ST8	12:35:00 PM	Savannah Sparrow	2	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Western Sandpiper	2	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Gull (unidentified)	6	Resting	Sandbar	Very Far Distant
7 /16/2009	ST8	12:35:00 PM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /16/2009	ST8	12:35:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Arctic Tern	3	Traveling	Air	Very Far Distant
7 /16/2009	ST8	12:35:00 PM	Mew Gull	2	Traveling	Air	Near
7 /16/2009	ST8	12:35:00 PM	Loon (unidentified)	1	Resting	Water	Far Distant
7 /16/2009	ST8	12:35:00 PM	Arctic Tern	5	Traveling	Air	Far Distant
7 /16/2009	ST8	12:35:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /16/2009	ST8	12:35:00 PM	Western Sandpiper	3	Feeding	Sandbar	Near
7 /16/2009	ST9	01:45:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /16/2009	ST9	01:45:00 PM	Northern Pintail	1	Resting	Sandbar	Far Distant
7 /16/2009	ST9	01:45:00 PM	Shorebird (unidentified)	3	Feeding	Sandbar	Distant
7 /16/2009	ST9	01:45:00 PM	Common Raven	1	Traveling	Land	Far Distant
7 /16/2009	ST9	01:45:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /16/2009	ST9	01:45:00 PM	Glaucous Gull	3	Traveling	Air	Near
7 /16/2009	ST9	01:45:00 PM	Sandhill Crane	1	Feeding	Land	Far Distant
7 /16/2009	ST9	01:45:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /16/2009	ST9	01:45:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /16/2009	ST9	01:45:00 PM	Shorebird (unidentified)	3	Traveling	Air	Distant
7 /16/2009	ST9	01:45:00 PM	Savannah Sparrow	2	Traveling	Air	Near
7 /16/2009	ST9	01:45:00 PM	Arctic Tern	4	Traveling	Air	Distant
7 /16/2009	ST9	01:45:00 PM	Gull (unidentified)	22	Traveling	Air	Very Far Distant
7 /16/2009	ST9	01:45:00 PM	Gull (unidentified)	5	Resting	Water	Very Far Distant
7 /16/2009	ST9	01:45:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /16/2009	ST9	01:45:00 PM	Gull (unidentified)	6	Resting	Sandbar	Very Far Distant
7 /16/2009	ST9	01:45:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /16/2009	ST9	01:45:00 PM	Gull (unidentified)	3	Resting	Sandbar	Far Distant
7 /16/2009	ST9	01:45:00 PM	Mew Gull	5	Traveling	Air	Near
7 /16/2009	ST9	01:45:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /20/2009	ST1	12:48:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /20/2009	ST1	12:48:00 PM	Human	1	Traveling	Water	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Mew Gull	2	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /20/2009	ST1	12:48:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /20/2009	ST1	12:48:00 PM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /20/2009	ST1	12:48:00 PM	Shorebird (unidentified)	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /20/2009	ST1	12:48:00 PM	Human	2	Traveling	Water	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Mew Gull	1	Resting	Water	Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Human	2	Traveling	Water	Near
7 /20/2009	ST1	12:48:00 PM	Pacific Loon	1	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Common Loon	1	Feeding	Water	Distant
7 /20/2009	ST1	12:48:00 PM	Mew Gull	2	Feeding	Water	Distant
7 /20/2009	ST1	12:48:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /20/2009	ST1	12:48:00 PM	Northern Harrier	1	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /20/2009	ST1	12:48:00 PM	White-winged Scoter	1	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Mew Gull	10	Traveling	Air	Far Distant
7 /20/2009	ST1	12:48:00 PM	Common Loon	1	Feeding	Water	Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Arctic Tern	4	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /20/2009	ST1	12:48:00 PM	Peregrine Falcon	1	Traveling	Air	Far Distant
7 /20/2009	ST1	12:48:00 PM	Swallow (unidentified)	1	Traveling	Air	Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Human	4	Traveling	Water	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Tern (unidentified)	2	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /20/2009	ST1	12:48:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /20/2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Mew Gull	3	Traveling	Air	Far Distant
7 /20/2009	ST6	11:19:00 AM	Yellow Warbler	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /20/2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /20/2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /20/2009	ST6	11:19:00 AM	Redpoll (unidentified)	9	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Swallow (unidentified)	22	Traveling	Air	Far Distant
7 /20/2009	ST6	11:19:00 AM	White-winged Scoter	7	Traveling	Air	Far Distant
7 /20/2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /20/2009	ST6	11:19:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Mew Gull	5	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
7 /20/2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Varied Thrush	1	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Pacific Loon	1	Traveling	Air	Distant
7 /20/2009	ST6	11:19:00 AM	American Tree Sparrow	1	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Redpoll (unidentified)	17	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Passerine (unidentified)	1	Traveling	Air	Far Distant
7 /20/2009	ST6	11:19:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /20/2009	ST6	11:19:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Green-winged Teal	3	Traveling	Air	Distant
7 /20/2009	ST6	11:19:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Mew Gull	2	Traveling	Air	Near
7 /20/2009	ST6	11:19:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /20/2009	ST6	11:19:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /20/2009	ST6	11:19:00 AM	Mew Gull	4	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Shorebird (unidentified)	25	Traveling	Air	Far Distant
7 /20/2009	ST7	12:30:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /20/2009	ST7	12:30:00 PM	Harbor/Spotted Seal	1	Traveling	Water	Distant
7 /20/2009	ST7	12:30:00 PM	Pacific Loon	1	Traveling	Air	Distant
7 /20/2009	ST7	12:30:00 PM	Western Sandpiper	2	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
7 /20/2009	ST7	12:30:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST7	12:30:00 PM	Mew Gull	6	Traveling	Air	Far Distant
7 /20/2009	ST7	12:30:00 PM	Savannah Sparrow	1	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Arctic Tern	1	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Arctic Tern	6	Traveling	Air	Far Distant
7 /20/2009	ST7	12:30:00 PM	Arctic Tern	5	Traveling	Air	Very Far Distant
7 /20/2009	ST7	12:30:00 PM	Western Sandpiper	1	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Swallow (unidentified)	1	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Savannah Sparrow	2	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Pacific Loon	1	Traveling	Air	Distant
7 /20/2009	ST7	12:30:00 PM	Red-necked Phalarope	3	Traveling	Air	Distant
7 /20/2009	ST7	12:30:00 PM	Pacific Loon	6	Traveling	Air	Far Distant
7 /20/2009	ST7	12:30:00 PM	Mew Gull	4	Traveling	Air	Near
7 /20/2009	ST7	12:30:00 PM	Mew Gull	2	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Arctic Tern	8	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Least/Semipalmated/Western Sandpiper	8	Traveling	Air	Distant
7 /20/2009	ST8	11:15:00 AM	Savannah Sparrow	10	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST8	11:15:00 AM	Mallard	2	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Human	1	Traveling	Water	Near
7 /20/2009	ST8	11:15:00 AM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
7 /20/2009	ST8	11:15:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Northern Shoveler	1	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Red-throated Loon	3	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
7 /20/2009	ST8	11:15:00 AM	Shorebird (unidentified)	28	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Western Sandpiper	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /20/2009	ST8	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /20/2009	ST8	11:15:00 AM	Arctic Tern	2	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Mew Gull	13	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Mew Gull	3	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Least/Semipalmated/Western Sandpiper	7	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Red-necked Phalarope	5	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Pacific Loon	5	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Red-necked Phalarope	6	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Glaucous Gull	1	Resting	Water	Far Distant
7 /20/2009	ST8	11:15:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /20/2009	ST8	11:15:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /20/2009	ST8	11:15:00 AM	Savannah Sparrow	1	Feeding	Land	Near
7 /20/2009	ST8	11:15:00 AM	Whimbrel	5	Traveling	Air	Near
7 /20/2009	ST8	11:15:00 AM	Mew Gull	6	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /20/2009	ST9	09:55:00 AM	Whimbrel	2	Traveling	Air	Distant
7 /20/2009	ST9	09:55:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /20/2009	ST9	09:55:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /20/2009	ST9	09:55:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	White-winged Scoter	6	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /20/2009	ST9	09:55:00 AM	Shorebird (unidentified)	15	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /20/2009	ST9	09:55:00 AM	Mew Gull	8	Traveling	Air	Near
7 /20/2009	ST9	09:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
7 /20/2009	ST9	09:55:00 AM	Arctic Tern	4	Traveling	Air	Distant
7 /20/2009	ST9	09:55:00 AM	Black Scoter	3	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /20/2009	ST9	09:55:00 AM	Arctic Tern	2	Traveling	Air	Near
7 /20/2009	ST9	09:55:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /20/2009	ST9	09:55:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Glaucous Gull	3	Traveling	Air	Distant
7 /20/2009	ST9	09:55:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /20/2009	ST9	09:55:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /20/2009	ST9	09:55:00 AM	Black Scoter	1	Traveling	Air	Near
7 /20/2009	ST9	09:55:00 AM	Greater Scaup	4	Traveling	Air	Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	1	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	2	Resting	Land	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Gull (unidentified)	6	Resting	Land	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Human	3	Traveling	Water	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Surf Scoter	3	Resting	Water	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	1	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /22/2009	ST6	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Arctic Tern	8	Feeding	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Yellow Warbler	4	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Green-winged Teal	1	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Waterfowl (unidentified)	15	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Glaucous Gull	2	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Mew Gull	2	Resting	Water	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Passerine (unidentified)	2	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Black-bellied Plover	12	Resting	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Arctic Tern	1	Resting	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Glaucous Gull	2	Resting	Water	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	2	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /22/2009	ST6	11:05:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	5	Resting	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	3	Resting	Water	Far Distant
7 /22/2009	ST6	11:05:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /22/2009	ST6	11:05:00 AM	Golden-Plover (unidentified)	15	Feeding	Sandbar	Far Distant
7 /22/2009	ST6	11:05:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /22/2009	ST6	11:05:00 AM	Glaucous Gull	2	Resting	Sandbar	Far Distant
7 /22/2009	ST6	11:05:00 AM	Green-winged Teal	1	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Glaucous Gull	5	Feeding	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /22/2009	ST6	11:05:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Golden-Plover (unidentified)	13	Feeding	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Mew Gull	10	Traveling	Air	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
7 /22/2009	ST6	11:05:00 AM	Phalarope (unidentified)	13	Traveling	Air	Very Far Distant
7 /22/2009	ST7	10:40:00 AM	Western Sandpiper	20	Traveling	Air	Distant
7 /22/2009	ST7	10:40:00 AM	Swallow (unidentified)	2	Traveling	Air	Near
7 /22/2009	ST7	10:40:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
7 /22/2009	ST7	10:40:00 AM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
7 /22/2009	ST7	10:40:00 AM	Greater Scaup	1	Traveling	Air	Far Distant
7 /22/2009	ST7	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /22/2009	ST7	10:40:00 AM	Goose (unidentified)	2	Feeding	Sandbar	Very Far Distant
7 /22/2009	ST7	10:40:00 AM	Red-necked Phalarope	3	Traveling	Air	Near
7 /22/2009	ST7	10:40:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /22/2009	ST7	10:40:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /22/2009	ST7	10:40:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /22/2009	ST7	10:40:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /22/2009	ST7	10:40:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /22/2009	ST7	10:40:00 AM	Passerine (unidentified)	3	Traveling	Air	Far Distant
7 /22/2009	ST7	10:40:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
7 /22/2009	ST7	10:40:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
7 /22/2009	ST7	10:40:00 AM	Mew Gull	11	Traveling	Air	Near
7 /22/2009	ST7	10:40:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /22/2009	ST7	10:40:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
7 /22/2009	ST7	10:40:00 AM	Arctic Tern	13	Traveling	Air	Far Distant
7 /22/2009	ST7	10:40:00 AM	Savannah Sparrow	5	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Mew Gull	3	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Merganser (unidentified)	1	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Glaucous Gull	4	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Red-necked Phalarope	3	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Red-necked Phalarope	3	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Savannah Sparrow	6	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Green-winged Teal	1	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /22/2009	ST8	10:55:00 AM	Common Raven	1	Traveling	Air	Distant
7 /22/2009	ST8	10:55:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Western Sandpiper	7	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Red-throated Loon	1	Traveling	Air	Distant
7 /22/2009	ST8	10:55:00 AM	Semipalmated Sandpiper	3	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Whimbrel	14	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Mew Gull	10	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Glaucous Gull	3	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
7 /22/2009	ST8	10:55:00 AM	Arctic Tern	24	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Red-necked Phalarope	4	Traveling	Air	Distant
7 /22/2009	ST8	10:55:00 AM	Black Scoter	9	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /22/2009	ST8	10:55:00 AM	Shorebird (unidentified)	9	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Parasitic Jaeger	5	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
7 /22/2009	ST8	10:55:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST8	10:55:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST8	10:55:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
7 /22/2009	ST8	10:55:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
7 /22/2009	ST8	10:55:00 AM	Red-throated Loon	1	Resting	Water	Near
7 /22/2009	ST8	10:55:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /22/2009	ST8	10:55:00 AM	Western Sandpiper	44	Traveling	Air	Near
7 /22/2009	ST8	10:55:00 AM	Short-eared Owl	1	Resting	Land	Distant
7 /22/2009	ST9	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Distant
7 /22/2009	ST9	12:10:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST9	12:10:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /22/2009	ST9	12:10:00 PM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /22/2009	ST9	12:10:00 PM	Arctic Tern	5	Traveling	Air	Near
7 /22/2009	ST9	12:10:00 PM	Western Sandpiper	13	Traveling	Air	Near
7 /22/2009	ST9	12:10:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /22/2009	ST9	12:10:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Sandhill Crane	3	Traveling	Air	Distant
7 /22/2009	ST9	12:10:00 PM	Mew Gull	13	Traveling	Air	Near
7 /22/2009	ST9	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Arctic Tern	20	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Savannah Sparrow	2	Traveling	Air	Near
7 /22/2009	ST9	12:10:00 PM	Glaucous Gull	2	Resting	Land	Distant
7 /22/2009	ST9	12:10:00 PM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
7 /22/2009	ST9	12:10:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Passerine (unidentified)	3	Traveling	Air	Distant
7 /22/2009	ST9	12:10:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Shorebird (unidentified)	7	Traveling	Air	Far Distant
7 /22/2009	ST9	12:10:00 PM	Mew Gull	3	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /22/2009	ST9	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /22/2009	ST9	12:10:00 PM	Red-necked Phalarope	4	Traveling	Air	Near
7 /23/2009	ST1	12:56:00 PM	Arctic Tern	10	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Human	1	Traveling	Water	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /23/2009	ST1	12:56:00 PM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Human	3	Traveling	Water	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Human	10	Traveling	Water	Near
7 /23/2009	ST1	12:56:00 PM	Arctic Tern	2	Resting	Sandbar	Far Distant
7 /23/2009	ST1	12:56:00 PM	Arctic Tern	11	Traveling	Air	Far Distant
7 /23/2009	ST1	12:56:00 PM	Arctic Tern	4	Resting	Sandbar	Far Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	2	Traveling	Air	Near
7 /23/2009	ST1	12:56:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	1	Resting	Water	Far Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	1	Traveling	Air	Near
7 /23/2009	ST1	12:56:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	2	Traveling	Air	Far Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	1	Traveling	Air	Near
7 /23/2009	ST1	12:56:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Redpoll (unidentified)	9	Traveling	Air	Near
7 /23/2009	ST1	12:56:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Long-billed Dowitcher	6	Feeding	Sandbar	Far Distant
7 /23/2009	ST1	12:56:00 PM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Human	1	Traveling	Water	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Parasitic Jaeger	1	Resting	Sandbar	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Human	1	Traveling	Water	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Golden-Plover (unidentified)	1	Traveling	Air	Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Shorebird (unidentified)	6	Feeding	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /23/2009	ST1	12:56:00 PM	Glaucous Gull	1	Traveling	Air	Distant
7 /23/2009	ST1	12:56:00 PM	Glaucous Gull	1	Feeding	Water	Distant
7 /23/2009	ST1	12:56:00 PM	Arctic Tern	4	Traveling	Air	Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /23/2009	ST1	12:56:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Glaucous Gull	9	Traveling	Sandbar	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Arctic Tern	11	Traveling	Air	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Mew Gull	2	Resting	Sandbar	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Common Raven	4	Feeding	Sandbar	Very Far Distant
7 /23/2009	ST1	12:56:00 PM	Glaucous Gull	3	Resting	Sandbar	Distant
7 /23/2009	ST1	12:56:00 PM	Redpoll (unidentified)	1	Traveling	Air	Distant
7 /23/2009	ST6	11:24:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Sandhill Crane	1	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Plover (unidentified)	6	Feeding	Sandbar	Far Distant
7 /23/2009	ST6	11:24:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Plover (unidentified)	1	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
7 /23/2009	ST6	11:24:00 AM	Gull (unidentified)	4	Resting	Water	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Black-capped Chickadee	1	Traveling	Air	Near
7 /23/2009	ST6	11:24:00 AM	Mew Gull	6	Traveling	Air	Near
7 /23/2009	ST6	11:24:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Common Raven	1	Resting	Land	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Plover (unidentified)	5	Traveling	Air	Distant
7 /23/2009	ST6	11:24:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Golden Eagle	1	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /23/2009	ST6	11:24:00 AM	Mew Gull	2	Resting	Sandbar	Far Distant
7 /23/2009	ST6	11:24:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Human	3	Traveling	Water	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /23/2009	ST6	11:24:00 AM	Human	4	Traveling	Water	Near
7 /23/2009	ST6	11:24:00 AM	Shorebird (unidentified)	15	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Arctic Tern	3	Resting	Sandbar	Distant
7 /23/2009	ST6	11:24:00 AM	Mew Gull	1	Resting	Water	Distant
7 /23/2009	ST6	11:24:00 AM	Mew Gull	2	Traveling	Air	Near
7 /23/2009	ST6	11:24:00 AM	Parasitic Jaeger	2	Feeding	Air	Near
7 /23/2009	ST6	11:24:00 AM	Plover (unidentified)	3	Traveling	Air	Distant
7 /23/2009	ST6	11:24:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Plover (unidentified)	1	Resting	Sandbar	Far Distant
7 /23/2009	ST6	11:24:00 AM	Mew Gull	1	Traveling	Air	Near
7 /23/2009	ST6	11:24:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Black-bellied Plover	2	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Arctic Tern	6	Resting	Sandbar	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Golden-Plover (unidentified)	2	Feeding	Sandbar	Far Distant
7 /23/2009	ST6	11:24:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /23/2009	ST6	11:24:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /23/2009	ST6	11:24:00 AM	Pacific Loon	1	Feeding	Water	Far Distant
7 /23/2009	ST6	11:24:00 AM	Green-winged Teal	1	Traveling	Air	Distant
7 /23/2009	ST6	11:24:00 AM	Arctic Tern	2	Feeding	Water	Far Distant
7 /23/2009	ST6	11:24:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
7 /23/2009	ST6	11:24:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Mew Gull	3	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Arctic Tern	8	Traveling	Air	Near
7 /23/2009	ST7	09:40:00 AM	Northern Shoveler	1	Traveling	Air	Distant
7 /23/2009	ST7	09:40:00 AM	Western Sandpiper	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /23/2009	ST7	09:40:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /23/2009	ST7	09:40:00 AM	Northern Shoveler	2	Traveling	Air	Distant
7 /23/2009	ST7	09:40:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /23/2009	ST7	09:40:00 AM	Arctic Tern	10	Traveling	Air	Distant
7 /23/2009	ST7	09:40:00 AM	Red-throated Loon	1	Traveling	Air	Far Distant
7 /23/2009	ST7	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /23/2009	ST7	09:40:00 AM	Arctic Tern	6	Traveling	Air	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Mew Gull	1	Resting	Water	Far Distant
7 /23/2009	ST7	09:40:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Canada Goose	9	Feeding	Sandbar	Very Far Distant
7 /23/2009	ST7	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /23/2009	ST7	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /23/2009	ST7	09:40:00 AM	Mew Gull	12	Traveling	Air	Near
7 /23/2009	ST7	09:40:00 AM	Savannah Sparrow	13	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Arctic Tern	10	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Western Sandpiper	239	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Arctic Tern	6	Resting	Water	Distant
7 /23/2009	ST8	10:55:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
7 /23/2009	ST8	10:55:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Savannah Sparrow	4	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Canada Goose	3	Traveling	Air	Distant
7 /23/2009	ST8	10:55:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /23/2009	ST8	10:55:00 AM	Mew Gull	4	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Pacific Loon	1	Traveling	Air	Distant
7 /23/2009	ST8	10:55:00 AM	Northern Pintail	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /23/2009	ST8	10:55:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /23/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Savannah Sparrow	2	Traveling	Air	Distant
7 /23/2009	ST8	10:55:00 AM	Red-necked Phalarope	4	Feeding	Water	Far Distant
7 /23/2009	ST8	10:55:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST8	10:55:00 AM	Northern Pintail	1	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Pacific Loon	1	Resting	Water	Far Distant
7 /23/2009	ST8	10:55:00 AM	Shorebird (unidentified)	77	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Arctic Tern	13	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Western Sandpiper	338	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Plover (unidentified)	2	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Savannah Sparrow	2	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /23/2009	ST8	10:55:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST8	10:55:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /23/2009	ST8	10:55:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
7 /23/2009	ST8	10:55:00 AM	Mew Gull	12	Traveling	Air	Near
7 /23/2009	ST8	10:55:00 AM	Greater Scaup	2	Traveling	Air	Distant
7 /23/2009	ST8	10:55:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
7 /23/2009	ST9	12:05:00 PM	Arctic Tern	5	Traveling	Air	Far Distant
7 /23/2009	ST9	12:05:00 PM	Glaucous Gull	2	Resting	Land	Far Distant
7 /23/2009	ST9	12:05:00 PM	Mew Gull	4	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Arctic Tern	2	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /23/2009	ST9	12:05:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
7 /23/2009	ST9	12:05:00 PM	Pacific Loon	1	Traveling	Air	Distant
7 /23/2009	ST9	12:05:00 PM	American Wigeon	1	Traveling	Air	Distant
7 /23/2009	ST9	12:05:00 PM	Pacific Loon	1	Traveling	Air	Distant
7 /23/2009	ST9	12:05:00 PM	Arctic Tern	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /23/2009	ST9	12:05:00 PM	Glaucous Gull	2	Resting	Land	Distant
7 /23/2009	ST9	12:05:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Savannah Sparrow	4	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Sandhill Crane	2	Traveling	Air	Far Distant
7 /23/2009	ST9	12:05:00 PM	Mew Gull	1	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Red-throated Loon	3	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Northern Pintail	1	Traveling	Air	Near
7 /23/2009	ST9	12:05:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /23/2009	ST9	12:05:00 PM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
7 /23/2009	ST9	12:05:00 PM	Pacific Loon	2	Traveling	Air	Far Distant
7 /23/2009	ST9	12:05:00 PM	Arctic Tern	4	Feeding	Air	Far Distant
7 /23/2009	ST9	12:05:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /23/2009	ST9	12:05:00 PM	Savannah Sparrow	8	Traveling	Air	Near
7 /24/2009	ST1	12:48:00 PM	Black-bellied Plover	1	Resting	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	3	Resting	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Black-bellied Plover	1	Feeding	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	4	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	1	Resting	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Gull (unidentified)	6	Resting	Sandbar	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Plover (unidentified)	3	Feeding	Sandbar	Distant
7 /24/2009	ST1	12:48:00 PM	Arctic Tern	25	Resting	Sandbar	Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Human	3	Traveling	Water	Near
7 /24/2009	ST1	12:48:00 PM	Gull (unidentified)	12	Resting	Land	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	1	Traveling	Air	Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /24/2009	ST1	12:48:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Shorebird (unidentified)	4	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Gull (unidentified)	23	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	5	Resting	Sandbar	Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	1	Resting	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	6	Feeding	Water	Distant
7 /24/2009	ST1	12:48:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Arctic Tern	3	Traveling	Air	Distant
7 /24/2009	ST1	12:48:00 PM	Human	2	Traveling	Water	Far Distant
7 /24/2009	ST1	12:48:00 PM	Plover (unidentified)	6	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Human	4	Traveling	Water	Near
7 /24/2009	ST1	12:48:00 PM	Human	3	Subsist	Land	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Human	2	Traveling	Water	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Arctic Tern	10	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Sparrow (unidentified)	1	Traveling	Air	Near
7 /24/2009	ST1	12:48:00 PM	Shorebird (unidentified)	2	Feeding	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Human	5	Traveling	Water	Near
7 /24/2009	ST1	12:48:00 PM	Black-bellied Plover	1	Traveling	Air	Near
7 /24/2009	ST1	12:48:00 PM	Plover (unidentified)	33	Resting	Land	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Human	1	Traveling	Water	Near
7 /24/2009	ST1	12:48:00 PM	Mew Gull	7	Traveling	Air	Far Distant
7 /24/2009	ST1	12:48:00 PM	Plover (unidentified)	4	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	4	Feeding	Water	Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	1	Feeding	Sandbar	Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	3	Feeding	Sandbar	Distant
7 /24/2009	ST1	12:48:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	2	Resting	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	1	Feeding	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Plover (unidentified)	1	Feeding	Sandbar	Far Distant
7 /24/2009	ST1	12:48:00 PM	Glaucous Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /24/2009	ST1	12:48:00 PM	Black-bellied Plover	5	Traveling	Air	Distant
7 /24/2009	ST1	12:48:00 PM	Arctic Tern	5	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Yellow Warbler	2	Traveling	Air	Near
7 /24/2009	ST6	11:15:00 AM	Mew Gull	1	Resting	Sandbar	Far Distant
7 /24/2009	ST6	11:15:00 AM	Parasitic Jaeger	1	Feeding	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	6	Resting	Sandbar	Far Distant
7 /24/2009	ST6	11:15:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Glaucous Gull	2	Resting	Water	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	34	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	22	Traveling	Air	Distant
7 /24/2009	ST6	11:15:00 AM	Gull (unidentified)	50	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	32	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Black-bellied Plover	1	Traveling	Air	Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	10	Traveling	Air	Near
7 /24/2009	ST6	11:15:00 AM	Mew Gull	18	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	6	Resting	Sandbar	Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	32	Traveling	Air	Distant
7 /24/2009	ST6	11:15:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	6	Resting	Sandbar	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	11	Resting	Sandbar	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Gull (unidentified)	99	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Black-bellied Plover	7	Resting	Sandbar	Far Distant
7 /24/2009	ST6	11:15:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	2	Traveling	Air	Distant
7 /24/2009	ST6	11:15:00 AM	Glaucous Gull	7	Resting	Water	Far Distant
7 /24/2009	ST6	11:15:00 AM	Shorebird (unidentified)	5	Resting	Sandbar	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /24/2009	ST6	11:15:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /24/2009	ST6	11:15:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	1	Traveling	Air	Near
7 /24/2009	ST6	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /24/2009	ST6	11:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	1	Resting	Sandbar	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	2	Resting	Sandbar	Far Distant
7 /24/2009	ST6	11:15:00 AM	Northern Shoveler	1	Traveling	Air	Near
7 /24/2009	ST6	11:15:00 AM	Gull (unidentified)	13	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /24/2009	ST6	11:15:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	1	Resting	Land	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	1	Feeding	Land	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /24/2009	ST6	11:15:00 AM	Black-bellied Plover	2	Feeding	Land	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Plover (genus Pluvialis)	3	Feeding	Land	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Mew Gull	10	Traveling	Air	Far Distant
7 /24/2009	ST6	11:15:00 AM	Red-necked Phalarope	3	Traveling	Air	Distant
7 /24/2009	ST6	11:15:00 AM	Gull (unidentified)	8	Resting	Land	Very Far Distant
7 /24/2009	ST6	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /24/2009	ST7	09:40:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /24/2009	ST7	09:40:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Bar-tailed Godwit (?)	2	Traveling	Air	Near
7 /24/2009	ST7	09:40:00 AM	Western Sandpiper	5	Traveling	Air	Near
7 /24/2009	ST7	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Arctic Tern	3	Traveling	Air	Near
7 /24/2009	ST7	09:40:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /24/2009	ST7	09:40:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Gull (unidentified)	13	Resting	Sandbar	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Mew Gull	8	Traveling	Air	Near
7 /24/2009	ST7	09:40:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /24/2009	ST7	09:40:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Savannah Sparrow	8	Traveling	Air	Near
7 /24/2009	ST7	09:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /24/2009	ST7	09:40:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /24/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /24/2009	ST7	09:40:00 AM	Human	2	Resting	Water	Very Far Distant
7 /24/2009	ST8	11:00:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /24/2009	ST8	11:00:00 AM	Arctic Tern	7	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Gull (unidentified)	18	Resting	Sandbar	Very Far Distant
7 /24/2009	ST8	11:00:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
7 /24/2009	ST8	11:00:00 AM	American Wigeon	1	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /24/2009	ST8	11:00:00 AM	Western Sandpiper	35	Traveling	Air	Distant
7 /24/2009	ST8	11:00:00 AM	Common Raven	5	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Mew Gull	3	Traveling	Air	Distant
7 /24/2009	ST8	11:00:00 AM	Arctic Tern	3	Traveling	Air	Distant
7 /24/2009	ST8	11:00:00 AM	Shorebird (unidentified)	10	Traveling	Air	Far Distant
7 /24/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
7 /24/2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Mew Gull	11	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Sabine's Gull	1	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
7 /24/2009	ST8	11:00:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /24/2009	ST8	11:00:00 AM	Western Sandpiper	22	Traveling	Air	Near
7 /24/2009	ST8	11:00:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
7 /24/2009	ST8	11:00:00 AM	Green-winged Teal	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /24/2009	ST8	11:00:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /24/2009	ST8	11:00:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /24/2009	ST8	11:00:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /24/2009	ST8	11:00:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
7 /24/2009	ST8	11:00:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /24/2009	ST8	11:00:00 AM	Arctic Tern	4	Traveling	Air	Very Far Distant
7 /24/2009	ST8	11:00:00 AM	Savannah Sparrow	1	Feeding	Land	Near
7 /24/2009	ST8	11:00:00 AM	Western Sandpiper	2	Feeding	Sandbar	Near
7 /24/2009	ST8	11:00:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
7 /24/2009	ST9	12:10:00 PM	Western Sandpiper	12	Traveling	Air	Distant
7 /24/2009	ST9	12:10:00 PM	Pacific Loon	1	Resting	Water	Far Distant
7 /24/2009	ST9	12:10:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /24/2009	ST9	12:10:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /24/2009	ST9	12:10:00 PM	Human	2	Traveling	Water	Near
7 /24/2009	ST9	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /24/2009	ST9	12:10:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /24/2009	ST9	12:10:00 PM	Mew Gull	6	Traveling	Air	Distant
7 /24/2009	ST9	12:10:00 PM	Arctic Tern	8	Traveling	Air	Far Distant
7 /24/2009	ST9	12:10:00 PM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
7 /24/2009	ST9	12:10:00 PM	Red-throated Loon	1	Traveling	Air	Near
7 /24/2009	ST9	12:10:00 PM	American Golden-Plover	6	Traveling	Air	Distant
7 /24/2009	ST9	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
7 /24/2009	ST9	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /24/2009	ST9	12:10:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
7 /24/2009	ST9	12:10:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
7 /24/2009	ST9	12:10:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /24/2009	ST9	12:10:00 PM	Red-throated Loon	1	Traveling	Air	Far Distant
7 /24/2009	ST9	12:10:00 PM	Red-throated Loon	3	Traveling	Air	Distant
7 /24/2009	ST9	12:10:00 PM	Mew Gull	4	Traveling	Air	Near
7 /24/2009	ST9	12:10:00 PM	Pacific Loon	2	Traveling	Air	Near
7 /24/2009	ST9	12:10:00 PM	Red-throated Loon	1	Traveling	Air	Distant
7 /24/2009	ST9	12:10:00 PM	Western Sandpiper	9	Traveling	Air	Near
7 /24/2009	ST9	12:10:00 PM	Sandhill Crane	2	Traveling	Air	Distant
7 /24/2009	ST9	12:10:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /24/2009	ST9	12:10:00 PM	Glaucous Gull	1	Resting	Sandbar	Far Distant
7 /27/2009	ST6	11:23:00 AM	Human	2	Traveling	Water	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Far Distant
7 /27/2009	ST6	11:23:00 AM	Gull (unidentified)	27	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Redpoll (unidentified)	1	Traveling	Air	Distant
7 /27/2009	ST6	11:23:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Glaucous Gull	3	Resting	Sandbar	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Yellow Warbler	2	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	American Tree Sparrow	13	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Mew Gull	3	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Shorebird (unidentified)	12	Traveling	Air	Far Distant
7 /27/2009	ST6	11:23:00 AM	Gull (unidentified)	4	Feeding	Water	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Passerine (unidentified)	4	Traveling	Air	Distant
7 /27/2009	ST6	11:23:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /27/2009	ST6	11:23:00 AM	American Tree Sparrow	3	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
7 /27/2009	ST6	11:23:00 AM	Mew Gull	2	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Mew Gull	1	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /27/2009	ST6	11:23:00 AM	Common Raven	3	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
7 /27/2009	ST6	11:23:00 AM	Arctic Tern	1	Feeding	Water	Far Distant
7 /27/2009	ST6	11:23:00 AM	American Tree Sparrow	7	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Brant	16	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Yellow Warbler	3	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /27/2009	ST6	11:23:00 AM	Northern Pintail	4	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Mallard	1	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /27/2009	ST6	11:23:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Plover (unidentified)	2	Traveling	Air	Distant
7 /27/2009	ST6	11:23:00 AM	Gull (unidentified)	29	Resting	Land	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /27/2009	ST6	11:23:00 AM	Gull (unidentified)	13	Resting	Land	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	American Tree Sparrow	2	Traveling	Air	Distant
7 /27/2009	ST6	11:23:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Passerine (unidentified)	2	Traveling	Air	Far Distant
7 /27/2009	ST6	11:23:00 AM	White-winged Scoter	1	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Mew Gull	7	Resting	Land	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Redpoll (unidentified)	14	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	American Tree Sparrow	2	Traveling	Air	Near
7 /27/2009	ST6	11:23:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
7 /27/2009	ST6	11:23:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Gull (unidentified)	6	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Glaucous Gull	2	Traveling	Air	Near
7 /27/2009	ST7	09:50:00 AM	Arctic Tern	9	Traveling	Air	Near
7 /27/2009	ST7	09:50:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Gull (unidentified)	13	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Bird (unidentified)	9	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Savannah Sparrow	1	Traveling	Air	Distant
7 /27/2009	ST7	09:50:00 AM	Sabine's Gull	1	Traveling	Air	Distant
7 /27/2009	ST7	09:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /27/2009	ST7	09:50:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Bird (unidentified)	11	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Greater White-fronted Goose	13	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Savannah Sparrow	6	Resting	Land	Near
7 /27/2009	ST7	09:50:00 AM	Mew Gull	1	Resting	Land	Distant
7 /27/2009	ST7	09:50:00 AM	Shorebird (unidentified)	6	Traveling	Air	Distant
7 /27/2009	ST7	09:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /27/2009	ST7	09:50:00 AM	Shorebird (unidentified)	2	Feeding	Sandbar	Far Distant
7 /27/2009	ST7	09:50:00 AM	Gull (unidentified)	3	Resting	Sandbar	Far Distant
7 /27/2009	ST7	09:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
7 /27/2009	ST7	09:50:00 AM	Savannah Sparrow	4	Traveling	Air	Near
7 /27/2009	ST7	09:50:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Gull (unidentified)	8	Resting	Land	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Gull (unidentified)	16	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Mew Gull	16	Traveling	Air	Near
7 /27/2009	ST7	09:50:00 AM	Waterfowl (unidentified)	20	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Loon (unidentified)	4	Traveling	Air	Far Distant
7 /27/2009	ST7	09:50:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
7 /27/2009	ST7	09:50:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Gull (unidentified)	9	Resting	Sandbar	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Arctic Tern	24	Traveling	Air	Distant
7 /28/2009	ST1	01:07:00 PM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /28/2009	ST1	01:07:00 PM	Mallard	1	Traveling	Air	Distant
7 /28/2009	ST1	01:07:00 PM	Arctic Tern	2	Resting	Sandbar	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	1	Resting	Water	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	6	Resting	Sandbar	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	2	Resting	Water	Far Distant
7 /28/2009	ST1	01:07:00 PM	Arctic Tern	1	Traveling	Air	Distant
7 /28/2009	ST1	01:07:00 PM	Gull (unidentified)	10	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Shorebird (unidentified)	12	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	2	Traveling	Air	Near
7 /28/2009	ST1	01:07:00 PM	Glaucous Gull	9	Resting	Sandbar	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Human	16	Subsist	Water	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Glaucous Gull	2	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Human	11	Subsist	Water	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Human	2	Subsist	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /28/2009	ST1	01:07:00 PM	Human	16	Subsist	Water	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Human	16	Subsist	Water	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Glaucous Gull	4	Resting	Sandbar	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	47	Resting	Sandbar	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	1	Traveling	Air	Near
7 /28/2009	ST1	01:07:00 PM	Gull (unidentified)	11	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Short-eared Owl	1	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Passerine (unidentified)	51	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	American Tree Sparrow	3	Traveling	Air	Near
7 /28/2009	ST1	01:07:00 PM	Human	3	Traveling	Water	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Glaucous Gull	1	Traveling	Air	Distant
7 /28/2009	ST1	01:07:00 PM	Human	3	Traveling	Water	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /28/2009	ST1	01:07:00 PM	Human	3	Traveling	Water	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Gull (unidentified)	3	Traveling	Air	Distant
7 /28/2009	ST1	01:07:00 PM	Human	2	Traveling	Water	Near
7 /28/2009	ST1	01:07:00 PM	Arctic Tern	3	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	2	Traveling	Air	Near
7 /28/2009	ST1	01:07:00 PM	Mew Gull	1	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Sparrow (unidentified)	15	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Mew Gull	4	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Arctic Tern	1	Traveling	Air	Near
7 /28/2009	ST1	01:07:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Black-bellied Plover	2	Traveling	Air	Far Distant
7 /28/2009	ST1	01:07:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
7 /28/2009	ST1	01:07:00 PM	Common Raven	5	Traveling	Land	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /28/2009	ST6	11:20:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /28/2009	ST6	11:20:00 AM	Mew Gull	3	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /28/2009	ST6	11:20:00 AM	Mew Gull	2	Traveling	Air	Distant
7 /28/2009	ST6	11:20:00 AM	Yellow Warbler	1	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Gull (unidentified)	14	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Plover (unidentified)	12	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Pacific Golden-Plover	1	Traveling	Air	Distant
7 /28/2009	ST6	11:20:00 AM	Human	2	Subsist	Water	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Glaucous Gull	1	Resting	Water	Far Distant
7 /28/2009	ST6	11:20:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /28/2009	ST6	11:20:00 AM	White-winged Scoter	17	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Tern (unidentified)	4	Feeding	Water	Far Distant
7 /28/2009	ST6	11:20:00 AM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Arctic Tern	7	Traveling	Air	Distant
7 /28/2009	ST6	11:20:00 AM	Human	5	Traveling	Water	Near
7 /28/2009	ST6	11:20:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /28/2009	ST6	11:20:00 AM	Redpoll (unidentified)	21	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Common Raven	4	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /28/2009	ST6	11:20:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /28/2009	ST6	11:20:00 AM	Mew Gull	1	Resting	Water	Far Distant
7 /28/2009	ST6	11:20:00 AM	Brant	7	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Tree Swallow	2	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Yellow Warbler	4	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Mew Gull	2	Feeding	Water	Distant
7 /28/2009	ST6	11:20:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Teal (unidentified)	1	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /28/2009	ST6	11:20:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /28/2009	ST6	11:20:00 AM	Glaucous Gull	1	Resting	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /29/2009	ST6	11:17:00 AM	Swallow (unidentified)	13	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Redpoll (unidentified)	7	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Redpoll (unidentified)	1	Feeding	Land	Near
7 /29/2009	ST6	11:17:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
7 /29/2009	ST6	11:17:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Swallow (unidentified)	2	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Mew Gull	1	Resting	Water	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /29/2009	ST6	11:17:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
7 /29/2009	ST6	11:17:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Plover (unidentified)	1	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Red-necked Phalarope	18	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Gull (unidentified)	10	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Mew Gull	2	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Common Raven	5	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Shorebird (unidentified)	1	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /29/2009	ST6	11:17:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /29/2009	ST6	11:17:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Parasitic Jaeger	4	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /29/2009	ST6	11:17:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
7 /29/2009	ST6	11:17:00 AM	Northern Pintail	1	Traveling	Air	Distant
7 /29/2009	ST6	11:17:00 AM	Mew Gull	1	Traveling	Air	Near
7 /29/2009	ST6	11:17:00 AM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
7 /29/2009	ST8	11:15:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /29/2009	ST8	11:15:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
7 /29/2009	ST8	11:15:00 AM	Pacific Loon	1	Traveling	Air	Near
7 /29/2009	ST8	11:15:00 AM	Greater White-fronted Goose	2	Traveling	Air	Near
7 /29/2009	ST8	11:15:00 AM	Parasitic Jaeger	3	Traveling	Air	Near
7 /29/2009	ST8	11:15:00 AM	Least/Semipalmated/Western Sandpiper	88	Traveling	Air	Near
7 /29/2009	ST8	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /29/2009	ST8	11:15:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Distant
7 /29/2009	ST8	11:15:00 AM	Gull (unidentified)	2	Resting	Sandbar	Distant
7 /29/2009	ST8	11:15:00 AM	Shorebird (unidentified)	40	Feeding	Sandbar	Distant
7 /29/2009	ST8	11:15:00 AM	Mew Gull	10	Traveling	Air	Near
7 /29/2009	ST8	11:15:00 AM	Calidrid Sandpiper	1	Traveling	Air	Near
7 /29/2009	ST8	11:15:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Dunlin (?)	3	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Whimbrel/Curlew	8	Feeding	Sandbar	Distant
7 /29/2009	ST9	09:55:00 AM	Duck (unidentified)	1	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Gull (unidentified)	25	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Goose (unidentified)	18	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Mew Gull	3	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Gull (unidentified)	7	Traveling	Air	Far Distant
7 /29/2009	ST9	09:55:00 AM	Sandhill Crane	1	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Arctic Tern	4	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Arctic Tern	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /29/2009	ST9	09:55:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Greater Scaup	1	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Northern Pintail	2	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Mew Gull	5	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Mew Gull	1	Resting	Land	Near
7 /29/2009	ST9	09:55:00 AM	Whimbrel/Curlew	7	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Northern Shrike	1	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Savannah Sparrow	1	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Cormorant (unidentified)	1	Traveling	Air	Far Distant
7 /29/2009	ST9	09:55:00 AM	Calidrid Sandpiper	9	Feeding	Sandbar	Distant
7 /29/2009	ST9	09:55:00 AM	Jaeger (unidentified)	2	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /29/2009	ST9	09:55:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Northern Shoveler (?)	1	Traveling	Air	Distant
7 /29/2009	ST9	09:55:00 AM	Mew Gull	3	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
7 /29/2009	ST9	09:55:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /29/2009	ST9	09:55:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Distant
7 /29/2009	ST9	09:55:00 AM	Glaucous Gull	1	Resting	Sandbar	Distant
7 /29/2009	ST9	09:55:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
7 /29/2009	ST9	09:55:00 AM	Goose (unidentified)	1	Traveling	Air	Far Distant
7 /29/2009	ST9	09:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /29/2009	ST9	09:55:00 AM	Mew Gull	1	Feeding	Sandbar	Distant
7 /29/2009	ST9	09:55:00 AM	Canada Goose	12	Traveling	Air	Distant
7 /30/2009	ST6	11:29:00 AM	Mew Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /30/2009	ST6	11:29:00 AM	Black Scoter	1	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Rusty Blackbird	12	Traveling	Air	Near
7 /30/2009	ST6	11:29:00 AM	Mew Gull	1	Traveling	Air	Distant
7 /30/2009	ST6	11:29:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /30/2009	ST6	11:29:00 AM	Rusty Blackbird	15	Traveling	Air	Near
7 /30/2009	ST6	11:29:00 AM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Red-necked Phalarope	2	Traveling	Air	Far Distant
7 /30/2009	ST6	11:29:00 AM	Green-winged Teal	1	Traveling	Air	Far Distant
7 /30/2009	ST6	11:29:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
7 /30/2009	ST6	11:29:00 AM	White-winged Scoter	4	Traveling	Air	Near
7 /30/2009	ST6	11:29:00 AM	Black Scoter	5	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /30/2009	ST6	11:29:00 AM	Black-bellied Plover	3	Traveling	Air	Distant
7 /30/2009	ST6	11:29:00 AM	Long-tailed Duck	1	Traveling	Air	Far Distant
7 /30/2009	ST6	11:29:00 AM	Redpoll (unidentified)	17	Traveling	Air	Near
7 /30/2009	ST6	11:29:00 AM	Parasitic Jaeger	5	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Goose (unidentified)	18	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Mew Gull	2	Traveling	Air	Far Distant
7 /30/2009	ST6	11:29:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Gull (unidentified)	9	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Sandhill Crane	9	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /30/2009	ST6	11:29:00 AM	Redpoll (unidentified)	7	Traveling	Air	Near
7 /30/2009	ST6	11:29:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Common Raven	1	Traveling	Air	Far Distant
7 /30/2009	ST6	11:29:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
7 /30/2009	ST6	11:29:00 AM	Redpoll (unidentified)	1	Traveling	Air	Distant
7 /30/2009	ST6	11:29:00 AM	Mew Gull	7	Traveling	Air	Very Far Distant
7 /30/2009	ST7	12:40:00 PM	Savannah Sparrow	7	Resting	Land	Near
7 /30/2009	ST7	12:40:00 PM	Mew Gull	5	Traveling	Air	Distant
7 /30/2009	ST7	12:40:00 PM	Gull (unidentified)	10	Traveling	Air	Far Distant
7 /30/2009	ST7	12:40:00 PM	Arctic Tern	3	Feeding	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /30/2009	ST7	12:40:00 PM	Mallard (?)	6	Traveling	Air	Distant
7 /30/2009	ST7	12:40:00 PM	Mew Gull	4	Traveling	Air	Distant
7 /30/2009	ST7	12:40:00 PM	Mew Gull	18	Traveling	Air	Near
7 /30/2009	ST7	12:40:00 PM	Arctic Tern	1	Feeding	Air	Distant
7 /30/2009	ST7	12:40:00 PM	Red-throated Loon	1	Feeding	Air	Near
7 /30/2009	ST7	12:40:00 PM	Glaucous Gull	1	Traveling	Air	Near
7 /30/2009	ST7	12:40:00 PM	Glaucous-winged Gull	3	Traveling	Air	Near
7 /30/2009	ST7	12:40:00 PM	Duck (unidentified)	25	Traveling	Air	Very Far Distant
7 /30/2009	ST7	12:40:00 PM	Savannah Sparrow	2	Resting	Land	Near
7 /30/2009	ST7	12:40:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
7 /30/2009	ST7	12:40:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST7	12:40:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Near
7 /30/2009	ST7	12:40:00 PM	Human	2	Traveling	Water	Near
7 /30/2009	ST7	12:40:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
7 /30/2009	ST7	12:40:00 PM	Goose (unidentified)	12	Resting	Sandbar	Very Far Distant
7 /30/2009	ST7	12:40:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /30/2009	ST7	12:40:00 PM	Shorebird (unidentified)	17	Feeding	Sandbar	Very Far Distant
7 /30/2009	ST8	11:10:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Distant
7 /30/2009	ST8	11:10:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Distant
7 /30/2009	ST8	11:10:00 AM	Savannah Sparrow (?)	2	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /30/2009	ST8	11:10:00 AM	Greater White-fronted Goose	3	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Green-winged Teal	1	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Least/Semipalmated/Western Sandpiper	7	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Arctic Tern	1	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Dunlin (?)	1	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /30/2009	ST8	11:10:00 AM	Mew Gull	2	Resting	Sandbar	Distant
7 /30/2009	ST8	11:10:00 AM	Glaucous/Glaucous-winged Gull	4	Traveling	Air	Distant
7 /30/2009	ST8	11:10:00 AM	Glaucous/Glaucous-winged Gull	13	Resting	Sandbar	Distant
7 /30/2009	ST8	11:10:00 AM	Red-necked Phalarope	31	Feeding	Sandbar	Near
7 /30/2009	ST8	11:10:00 AM	Red-necked Phalarope	46	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Arctic Tern	2	Resting	Sandbar	Distant
7 /30/2009	ST8	11:10:00 AM	Long-tailed Jaeger	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /30/2009	ST8	11:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /30/2009	ST8	11:10:00 AM	Glaucous Gull	1	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Mallard (?)	9	Traveling	Air	Far Distant
7 /30/2009	ST8	11:10:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Shorebird (unidentified)	18	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST8	11:10:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST8	11:10:00 AM	Savannah Sparrow	6	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /30/2009	ST8	11:10:00 AM	Mallard	6	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
7 /30/2009	ST8	11:10:00 AM	Duck (unidentified)	3	Traveling	Air	Far Distant
7 /30/2009	ST8	11:10:00 AM	Mallard	4	Traveling	Air	Distant
7 /30/2009	ST8	11:10:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /30/2009	ST8	11:10:00 AM	Arctic Tern	10	Traveling	Air	Far Distant
7 /30/2009	ST8	11:10:00 AM	Arctic Tern	3	Traveling	Air	Far Distant
7 /30/2009	ST8	11:10:00 AM	Arctic Tern	2	Traveling	Air	Distant
7 /30/2009	ST8	11:10:00 AM	Mew Gull	3	Traveling	Air	Near
7 /30/2009	ST8	11:10:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Red-necked Phalarope	4	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
7 /30/2009	ST9	09:50:00 AM	Pacific Loon	8	Traveling	Air	Near
7 /30/2009	ST9	09:50:00 AM	Arctic Tern	1	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Greater White-fronted Goose	12	Traveling	Air	Far Distant
7 /30/2009	ST9	09:50:00 AM	Shorebird (unidentified)	5	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Greater White-fronted Goose	3	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Glaucous Gull	3	Traveling	Air	Near
7 /30/2009	ST9	09:50:00 AM	Greater White-fronted Goose	2	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /30/2009	ST9	09:50:00 AM	Glaucous Gull	1	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Mew Gull	7	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /30/2009	ST9	09:50:00 AM	Glaucous/Glaucous-winged Gull	4	Resting	Land	Distant
7 /30/2009	ST9	09:50:00 AM	Mew Gull	1	Resting	Land	Near
7 /30/2009	ST9	09:50:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Near
7 /30/2009	ST9	09:50:00 AM	Parasitic Jaeger	3	Traveling	Air	Far Distant
7 /30/2009	ST9	09:50:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Shorebird (unidentified)	6	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Canada Goose	5	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /30/2009	ST9	09:50:00 AM	Sandhill Crane	4	Traveling	Air	Far Distant
7 /30/2009	ST9	09:50:00 AM	Northern Pintail	1	Traveling	Air	Near
7 /30/2009	ST9	09:50:00 AM	Red-necked Phalarope	9	Traveling	Air	Near
7 /30/2009	ST9	09:50:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /30/2009	ST9	09:50:00 AM	Gull (unidentified)	3	Traveling	Air	Distant
7 /30/2009	ST9	09:50:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
7 /30/2009	ST9	09:50:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Northern Pintail	6	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Greater White-fronted Goose	10	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Bird (unidentified)	1	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Tree Swallow	3	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Mew Gull	1	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Black-bellied Plover	9	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Waterfowl (unidentified)	30	Traveling	Air	Very Far Distant
7 /31/2009	ST6	11:29:00 AM	Swallow (unidentified)	4	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Waterfowl (unidentified)	9	Traveling	Air	Very Far Distant
7 /31/2009	ST6	11:29:00 AM	Sparrow (unidentified)	2	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Tree Swallow	2	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Mew Gull	1	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Common Loon	1	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Redpoll (unidentified)	12	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /31/2009	ST6	11:29:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Common Loon	2	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Whimbrel	8	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Pacific Loon	1	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
7 /31/2009	ST6	11:29:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
7 /31/2009	ST6	11:29:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
7 /31/2009	ST6	11:29:00 AM	Northern Pintail	1	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Black Scoter	6	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Black Turnstone	1	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Mew Gull	4	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Yellow Warbler	3	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Greater White-fronted Goose	1	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Curlew (unidentified)	1	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Redpoll (unidentified)	1	Resting	Land	Near
7 /31/2009	ST6	11:29:00 AM	Mew Gull	1	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Red-necked Phalarope	5	Traveling	Air	Near
7 /31/2009	ST6	11:29:00 AM	Waterfowl (unidentified)	20	Traveling	Air	Very Far Distant
7 /31/2009	ST6	11:29:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
7 /31/2009	ST6	11:29:00 AM	Brant	4	Traveling	Air	Very Far Distant
7 /31/2009	ST6	11:29:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
7 /31/2009	ST6	11:29:00 AM	Canada Goose	3	Traveling	Air	Very Far Distant
7 /31/2009	ST7	09:45:00 AM	Arctic Tern	3	Traveling	Air	Distant
7 /31/2009	ST7	09:45:00 AM	Savannah Sparrow	5	Traveling	Air	Near
7 /31/2009	ST7	09:45:00 AM	Red-throated Loon	1	Traveling	Air	Near
7 /31/2009	ST7	09:45:00 AM	Pacific Loon	2	Traveling	Air	Distant
7 /31/2009	ST7	09:45:00 AM	Mew Gull	14	Traveling	Air	Near
7 /31/2009	ST7	09:45:00 AM	Duck (unidentified)	7	Traveling	Air	Far Distant
7 /31/2009	ST7	09:45:00 AM	Human	1	Traveling	Water	Very Far Distant
7 /31/2009	ST7	09:45:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
7 /31/2009	ST7	09:45:00 AM	Savannah Sparrow	2	Traveling	Air	Near
7 /31/2009	ST7	09:45:00 AM	Glaucous Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
7 /31/2009	ST7	09:45:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
7 /31/2009	ST7	09:45:00 AM	Red-throated Loon	1	Traveling	Air	Distant
7 /31/2009	ST7	09:45:00 AM	Arctic Tern	8	Traveling	Air	Near
8 /3 /2009	ST1	01:02:00 PM	Human	5	Traveling	Water	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Human	4	Traveling	Water	Far Distant
8 /3 /2009	ST1	01:02:00 PM	Yellow Warbler	1	Resting	Land	Near
8 /3 /2009	ST1	01:02:00 PM	Red-necked Phalarope	12	Traveling	Air	Near
8 /3 /2009	ST1	01:02:00 PM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Gull (unidentified)	3	Resting	Water	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Mew Gull	4	Resting	Land	Distant
8 /3 /2009	ST1	01:02:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Short-eared Owl	1	Traveling	Air	Far Distant
8 /3 /2009	ST1	01:02:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Mew Gull	1	Traveling	Air	Near
8 /3 /2009	ST1	01:02:00 PM	Human	3	Traveling	Water	Near
8 /3 /2009	ST1	01:02:00 PM	Shorebird (unidentified)	55	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Redpoll (unidentified)	20	Traveling	Air	Near
8 /3 /2009	ST1	01:02:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Mew Gull	3	Traveling	Air	Near
8 /3 /2009	ST1	01:02:00 PM	American Tree Sparrow	4	Resting	Land	Near
8 /3 /2009	ST1	01:02:00 PM	Mew Gull	2	Traveling	Air	Far Distant
8 /3 /2009	ST1	01:02:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Arctic Tern	4	Traveling	Air	Distant
8 /3 /2009	ST1	01:02:00 PM	Human	3	Traveling	Water	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Arctic Tern	1	Resting	Sandbar	Distant
8 /3 /2009	ST1	01:02:00 PM	Arctic Tern	5	Resting	Sandbar	Far Distant
8 /3 /2009	ST1	01:02:00 PM	Arctic Tern	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Redpoll (unidentified)	30	Traveling	Air	Near
8 /3 /2009	ST1	01:02:00 PM	Pacific Loon	1	Traveling	Air	Distant
8 /3 /2009	ST1	01:02:00 PM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
8 /3 /2009	ST1	01:02:00 PM	Glaucous Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /3 /2009	ST1	01:02:00 PM	Red-necked Phalarope	11	Traveling	Air	Far Distant
8 /3 /2009	ST1	01:02:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /3 /2009	ST1	01:02:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
8 /3 /2009	ST6	11:27:00 AM	Goose (unidentified)	57	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Mew Gull	9	Resting	Water	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Mew Gull	1	Resting	Water	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Common Raven	2	Resting	Land	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Glaucous Gull	3	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Redpoll (unidentified)	6	Traveling	Air	Near
8 /3 /2009	ST6	11:27:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
8 /3 /2009	ST6	11:27:00 AM	Yellow Warbler	3	Feeding	Land	Near
8 /3 /2009	ST6	11:27:00 AM	Glaucous Gull	1	Resting	Water	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Sandhill Crane	6	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Glaucous Gull	1	Resting	Water	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Human	3	Traveling	Water	Near
8 /3 /2009	ST6	11:27:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /3 /2009	ST6	11:27:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
8 /3 /2009	ST6	11:27:00 AM	Pacific Loon	4	Traveling	Air	Far Distant
8 /3 /2009	ST6	11:27:00 AM	Common Loon	2	Traveling	Air	Far Distant
8 /3 /2009	ST6	11:27:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Mew Gull	2	Traveling	Air	Distant
8 /3 /2009	ST6	11:27:00 AM	Arctic Tern	3	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Human	5	Traveling	Water	Near
8 /3 /2009	ST6	11:27:00 AM	Waterfowl (unidentified)	12	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Common Raven	3	Traveling	Air	Very Far Distant
8 /3 /2009	ST6	11:27:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /3 /2009	ST6	11:27:00 AM	Redpoll (unidentified)	11	Traveling	Air	Near
8 /3 /2009	ST6	11:27:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
8 /3 /2009	ST6	11:27:00 AM	Mew Gull	3	Resting	Water	Distant
8 /3 /2009	ST7	09:35:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /3 /2009	ST7	09:35:00 AM	Whimbrel	9	Traveling	Air	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Savannah Sparrow	10	Traveling	Air	Near
8 /3 /2009	ST7	09:35:00 AM	Arctic Tern	12	Traveling	Air	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Mew Gull	3	Traveling	Air	Near
8 /3 /2009	ST7	09:35:00 AM	Mew Gull	3	Traveling	Air	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /3 /2009	ST7	09:35:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
8 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
8 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
8 /3 /2009	ST7	09:35:00 AM	Savannah Sparrow	4	Traveling	Air	Distant
8 /3 /2009	ST7	09:35:00 AM	Mew Gull	1	Traveling	Air	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	9	Traveling	Air	Very Far Distant
8 /3 /2009	ST7	09:35:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Red-necked Phalarope	6	Traveling	Air	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Arctic Tern	9	Traveling	Air	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Red-throated Loon	1	Traveling	Air	Near
8 /3 /2009	ST7	09:35:00 AM	Red-throated Loon	1	Resting	Water	Far Distant
8 /3 /2009	ST7	09:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
8 /3 /2009	ST7	09:35:00 AM	Mew Gull	8	Traveling	Air	Distant
8 /3 /2009	ST7	09:35:00 AM	Dowitcher (unidentified)	4	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Bird (unidentified)	15	Traveling	Air	Very Far Distant
8 /3 /2009	ST8	10:55:00 AM	Red-throated Loon	1	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
8 /3 /2009	ST8	10:55:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /3 /2009	ST8	10:55:00 AM	Glaucous Gull	3	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Canada Goose	8	Traveling	Air	Far Distant
8 /3 /2009	ST8	10:55:00 AM	Mallard	8	Traveling	Air	Distant
8 /3 /2009	ST8	10:55:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST8	10:55:00 AM	Arctic Tern	4	Traveling	Air	Far Distant
8 /3 /2009	ST8	10:55:00 AM	Pacific Loon	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /3 /2009	ST8	10:55:00 AM	Mallard	2	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Western Sandpiper	2	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Arctic Tern	9	Traveling	Air	Far Distant
8 /3 /2009	ST8	10:55:00 AM	Glaucous Gull	2	Resting	Water	Far Distant
8 /3 /2009	ST8	10:55:00 AM	Mew Gull	8	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /3 /2009	ST8	10:55:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
8 /3 /2009	ST8	10:55:00 AM	Mew Gull	3	Traveling	Air	Far Distant
8 /3 /2009	ST8	10:55:00 AM	Arctic Tern	4	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Short-eared Owl	1	Traveling	Air	Distant
8 /3 /2009	ST8	10:55:00 AM	Red-necked Phalarope	11	Traveling	Air	Distant
8 /3 /2009	ST8	10:55:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /3 /2009	ST8	10:55:00 AM	Red-necked Phalarope	7	Traveling	Air	Near
8 /3 /2009	ST8	10:55:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /3 /2009	ST8	10:55:00 AM	Savannah Sparrow	31	Traveling	Air	Near
8 /3 /2009	ST9	12:10:00 PM	Shorebird (unidentified)	12	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Glaucous Gull	3	Resting	Land	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Red-necked Phalarope	2	Traveling	Air	Distant
8 /3 /2009	ST9	12:10:00 PM	Northern Pintail	3	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Savannah Sparrow	10	Traveling	Air	Distant
8 /3 /2009	ST9	12:10:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	2	Resting	Land	Very Far Distant
8 /3 /2009	ST9	12:10:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Mew Gull	3	Traveling	Air	Distant
8 /3 /2009	ST9	12:10:00 PM	Mew Gull	1	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Parasitic Jaeger	2	Traveling	Air	Distant
8 /3 /2009	ST9	12:10:00 PM	Mew Gull	4	Traveling	Air	Near
8 /3 /2009	ST9	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Glaucous Gull	1	Resting	Water	Distant
8 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
8 /3 /2009	ST9	12:10:00 PM	Glaucous Gull	4	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /3 /2009	ST9	12:10:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Mallard	1	Traveling	Air	Distant
8 /3 /2009	ST9	12:10:00 PM	Arctic Tern	7	Traveling	Air	Far Distant
8 /3 /2009	ST9	12:10:00 PM	Shorebird (unidentified)	9	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Yellow Warbler	1	Traveling	Air	Near
8 /4 /2009	ST1	12:51:00 PM	Redpoll (unidentified)	30	Traveling	Air	Near
8 /4 /2009	ST1	12:51:00 PM	Mew Gull	1	Resting	Water	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Gull (unidentified)	5	Feeding	Water	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Mew Gull	1	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	3	Traveling	Water	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Arctic Tern	4	Resting	Sandbar	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	2	Traveling	Water	Near
8 /4 /2009	ST1	12:51:00 PM	Human	2	Traveling	Water	Near
8 /4 /2009	ST1	12:51:00 PM	Human	4	Traveling	Water	Distant
8 /4 /2009	ST1	12:51:00 PM	Human	2	Traveling	Water	Near
8 /4 /2009	ST1	12:51:00 PM	Human	16	Subsist	Water	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	7	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Passerine (unidentified)	27	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	3	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Redpoll (unidentified)	44	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	6	Traveling	Water	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Arctic Tern	10	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	22	Subsist	Water	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Mew Gull	1	Traveling	Air	Near
8 /4 /2009	ST1	12:51:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /4 /2009	ST1	12:51:00 PM	Short-eared Owl	1	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	2	Traveling	Water	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Yellow Warbler	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /4 /2009	ST1	12:51:00 PM	Red-necked Phalarope	1	Traveling	Air	Near
8 /4 /2009	ST1	12:51:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /4 /2009	ST1	12:51:00 PM	Mew Gull	3	Traveling	Air	Distant
8 /4 /2009	ST1	12:51:00 PM	Arctic Tern	4	Resting	Sandbar	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	2	Traveling	Water	Near
8 /4 /2009	ST1	12:51:00 PM	Passerine (unidentified)	50	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Mew Gull	4	Resting	Water	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Mew Gull	1	Resting	Water	Distant
8 /4 /2009	ST1	12:51:00 PM	Common Raven	2	Resting	Land	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
8 /4 /2009	ST1	12:51:00 PM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Human	2	Traveling	Water	Near
8 /4 /2009	ST1	12:51:00 PM	Savannah Sparrow	1	Traveling	Air	Near
8 /4 /2009	ST1	12:51:00 PM	Human	5	Traveling	Water	Very Far Distant
8 /4 /2009	ST1	12:51:00 PM	Shorebird (unidentified)	10	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Black-bellied Plover	3	Traveling	Air	Near
8 /4 /2009	ST6	11:16:00 AM	Mew Gull	2	Resting	Water	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Arctic Tern	1	Feeding	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Goose (unidentified)	150	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Arctic Tern	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	White-winged Scoter	6	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Human	8	Traveling	Water	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /4 /2009	ST6	11:16:00 AM	Rusty Blackbird	13	Traveling	Air	Near
8 /4 /2009	ST6	11:16:00 AM	Brant	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Mew Gull	8	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Plover (unidentified)	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Mallard	2	Traveling	Air	Far Distant
8 /4 /2009	ST6	11:16:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Common Raven	3	Resting	Sandbar	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Sandhill Crane	8	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Yellow Warbler	3	Traveling	Air	Near
8 /4 /2009	ST6	11:16:00 AM	Brant	9	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Redpoll (unidentified)	2	Resting	Land	Near
8 /4 /2009	ST6	11:16:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /4 /2009	ST6	11:16:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Northern Shrike	1	Resting	Land	Near
8 /4 /2009	ST6	11:16:00 AM	Mew Gull	4	Traveling	Air	Near
8 /4 /2009	ST6	11:16:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /4 /2009	ST6	11:16:00 AM	Greater White-fronted Goose	8	Traveling	Air	Far Distant
8 /4 /2009	ST6	11:16:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Human	8	Traveling	Water	Near
8 /4 /2009	ST6	11:16:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Goose (unidentified)	102	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
8 /4 /2009	ST6	11:16:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /4 /2009	ST6	11:16:00 AM	Common Raven	2	Resting	Land	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Canada Goose	1	Traveling	Air	Far Distant
8 /4 /2009	ST6	11:16:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Mallard	3	Traveling	Air	Far Distant
8 /4 /2009	ST6	11:16:00 AM	Goose (unidentified)	10	Traveling	Air	Very Far Distant
8 /4 /2009	ST6	11:16:00 AM	Redpoll (unidentified)	13	Traveling	Air	Near
8 /4 /2009	ST7	01:30:00 PM	Savannah Sparrow	1	Resting	Land	Near
8 /4 /2009	ST7	01:30:00 PM	Red-throated Loon	1	Feeding	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /4 /2009	ST7	01:30:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Canada Goose	3	Traveling	Air	Distant
8 /4 /2009	ST7	01:30:00 PM	Gull (unidentified)	1	Resting	Land	Far Distant
8 /4 /2009	ST7	01:30:00 PM	Red-necked Phalarope	7	Traveling	Air	Distant
8 /4 /2009	ST7	01:30:00 PM	Arctic Tern	2	Resting	Water	Distant
8 /4 /2009	ST7	01:30:00 PM	Black-bellied Plover	3	Traveling	Air	Near
8 /4 /2009	ST7	01:30:00 PM	Savannah Sparrow	2	Traveling	Air	Near
8 /4 /2009	ST7	01:30:00 PM	Gull (unidentified)	25	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /4 /2009	ST7	01:30:00 PM	Human	4	Traveling	Water	Near
8 /4 /2009	ST7	01:30:00 PM	Human	2	Commercial fishing	Water	Distant
8 /4 /2009	ST7	01:30:00 PM	Common Raven	3	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Passerine (unidentified)	2	Traveling	Air	Near
8 /4 /2009	ST7	01:30:00 PM	Pacific Loon	1	Traveling	Air	Distant
8 /4 /2009	ST7	01:30:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Mew Gull	5	Traveling	Air	Near
8 /4 /2009	ST7	01:30:00 PM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Arctic Tern	8	Traveling	Air	Distant
8 /4 /2009	ST7	01:30:00 PM	Arctic Tern	1	Traveling	Air	Distant
8 /4 /2009	ST7	01:30:00 PM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
8 /4 /2009	ST7	01:30:00 PM	Arctic Tern	6	Traveling	Air	Near
8 /4 /2009	ST7	01:30:00 PM	Human	1	Commercial fishing	Water	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Mew Gull	4	Traveling	Air	Distant
8 /4 /2009	ST7	01:30:00 PM	Red-necked Phalarope	2	Traveling	Air	Distant
8 /4 /2009	ST7	01:30:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /4 /2009	ST7	01:30:00 PM	Green-winged Teal	8	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Black Scoter	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /4 /2009	ST8	12:05:00 PM	Human	2	Commercial fishing	Water	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Red-necked Phalarope	8	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /4 /2009	ST8	12:05:00 PM	Black-bellied Plover	2	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Glaucous Gull	2	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Savannah Sparrow	3	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Human	1	Commercial fishing	Water	Distant
8 /4 /2009	ST8	12:05:00 PM	Shorebird (unidentified)	8	Traveling	Air	Far Distant
8 /4 /2009	ST8	12:05:00 PM	Human	8	Commercial fishing	Water	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Red-necked Phalarope	8	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Red-necked Phalarope	10	Resting	Water	Near
8 /4 /2009	ST8	12:05:00 PM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Human	4	Commercial fishing	Water	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Shorebird (unidentified)	4	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /4 /2009	ST8	12:05:00 PM	Red-necked Phalarope	8	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Bird (unidentified)	15	Traveling	Air	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Arctic Tern	6	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Arctic Tern	4	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Whimbrel/Curlew	12	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Gull (unidentified)	1	Resting	Water	Far Distant
8 /4 /2009	ST8	12:05:00 PM	Arctic Tern	4	Feeding	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Red-necked Phalarope	85	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Glaucous Gull	1	Resting	Water	Distant
8 /4 /2009	ST8	12:05:00 PM	Savannah Sparrow	8	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Pacific Loon	1	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Arctic Tern	3	Traveling	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Calidrid Sandpiper	2	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Red-necked Phalarope	12	Feeding	Water	Distant
8 /4 /2009	ST8	12:05:00 PM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Arctic Tern	4	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Arctic Tern	3	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Black Turnstone	1	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Whimbrel	2	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Mew Gull	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /4 /2009	ST8	12:05:00 PM	Arctic Tern	2	Feeding	Air	Distant
8 /4 /2009	ST8	12:05:00 PM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
8 /4 /2009	ST8	12:05:00 PM	Savannah Sparrow	1	Traveling	Air	Near
8 /4 /2009	ST8	12:05:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /4 /2009	ST9	10:45:00 AM	Human	2	Commercial fishing	Water	Distant
8 /4 /2009	ST9	10:45:00 AM	Mew Gull	1	Resting	Land	Near
8 /4 /2009	ST9	10:45:00 AM	Mew Gull	1	Traveling	Air	Near
8 /4 /2009	ST9	10:45:00 AM	Arctic Tern	3	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Glaucous Gull	6	Traveling	Air	Near
8 /4 /2009	ST9	10:45:00 AM	Passerine (unidentified)	7	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Human	3	Traveling	Water	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Red-necked Phalarope	2	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Calidrid Sandpiper	1	Traveling	Air	Near
8 /4 /2009	ST9	10:45:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Dowitcher (unidentified)	4	Resting	Land	Distant
8 /4 /2009	ST9	10:45:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Calidrid Sandpiper	6	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Glaucous Gull	1	Feeding	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Shorebird (unidentified)	20	Traveling	Air	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Human	4	Traveling	Water	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Loon (?)	3	Traveling	Air	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Red-necked Grebe	1	Traveling	Air	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Jaeger (unidentified)	1	Resting	Water	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Human	5	Commercial fishing	Water	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Human	1	Traveling	Water	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Mew Gull	1	Resting	Water	Distant
8 /4 /2009	ST9	10:45:00 AM	Savannah Sparrow	2	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Mew Gull	1	Feeding	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Northern Pintail	10	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /4 /2009	ST9	10:45:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Human	2	Traveling	Water	Near
8 /4 /2009	ST9	10:45:00 AM	Glaucous Gull	4	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Red-necked Phalarope	2	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Pacific Loon	1	Traveling	Air	Near
8 /4 /2009	ST9	10:45:00 AM	Duck (unidentified)	4	Traveling	Air	Far Distant
8 /4 /2009	ST9	10:45:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /4 /2009	ST9	10:45:00 AM	Canada Goose	4	Traveling	Air	Distant
8 /4 /2009	ST9	10:45:00 AM	Arctic Tern	1	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	3	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	American Tree Sparrow	2	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Gull (unidentified)	3	Resting	Water	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Parasitic Jaeger	3	Traveling	Air	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Yellow Warbler	2	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Redpoll (unidentified)	30	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	1	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /5 /2009	ST1	01:19:00 PM	Glaucous Gull	2	Resting	Land	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Arctic Tern	1	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	1	Resting	Land	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Short-eared Owl	1	Traveling	Air	Far Distant
8 /5 /2009	ST1	01:19:00 PM	Human	4	Traveling	Water	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Common Raven	1	Resting	Land	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant
8 /5 /2009	ST1	01:19:00 PM	Gull (unidentified)	7	Resting	Water	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Human	3	Traveling	Water	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Raptor	1	Resting	Land	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Arctic Tern	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /5 /2009	ST1	01:19:00 PM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	1	Traveling	Air	Far Distant
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	6	Traveling	Air	Far Distant
8 /5 /2009	ST1	01:19:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	5	Resting	Water	Far Distant
8 /5 /2009	ST1	01:19:00 PM	Glaucous Gull	2	Traveling	Air	Near
8 /5 /2009	ST1	01:19:00 PM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
8 /5 /2009	ST1	01:19:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /5 /2009	ST1	01:19:00 PM	Arctic Tern	9	Traveling	Air	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Tundra Swan	4	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Common Raven	1	Traveling	Air	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Redpoll (unidentified)	7	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /5 /2009	ST6	11:49:00 AM	Yellow Warbler	1	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /5 /2009	ST6	11:49:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Mew Gull	1	Resting	Land	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Mew Gull	1	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Human	7	Traveling	Water	Near
8 /5 /2009	ST6	11:49:00 AM	Goose (unidentified)	381	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Greater White-fronted Goose	4	Traveling	Air	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Mallard	3	Traveling	Air	Distant
8 /5 /2009	ST6	11:49:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	3	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	American Tree Sparrow	1	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /5 /2009	ST6	11:49:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	American Tree Sparrow	2	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	American Tree Sparrow	1	Resting	Land	Near
8 /5 /2009	ST6	11:49:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Goose (unidentified)	38	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
8 /5 /2009	ST6	11:49:00 AM	Yellow Warbler	1	Traveling	Air	Near
8 /5 /2009	ST6	11:49:00 AM	Goose (unidentified)	30	Traveling	Air	Very Far Distant
8 /5 /2009	ST6	11:49:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
8 /5 /2009	ST7	12:50:00 PM	Duck (unidentified)	1	Resting	Land	Distant
8 /5 /2009	ST7	12:50:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Pacific Loon	1	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST7	12:50:00 PM	Red-throated Loon	1	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Red-throated Loon	2	Resting	Water	Near
8 /5 /2009	ST7	12:50:00 PM	Arctic Tern	1	Feeding	Air	Far Distant
8 /5 /2009	ST7	12:50:00 PM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
8 /5 /2009	ST7	12:50:00 PM	Bird (unidentified)	9	Traveling	Air	Very Far Distant
8 /5 /2009	ST7	12:50:00 PM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
8 /5 /2009	ST7	12:50:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /5 /2009	ST7	12:50:00 PM	Savannah Sparrow	4	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Savannah Sparrow	2	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Mallard	6	Traveling	Air	Distant
8 /5 /2009	ST7	12:50:00 PM	Savannah Sparrow	2	Resting	Land	Near
8 /5 /2009	ST7	12:50:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /5 /2009	ST7	12:50:00 PM	Red-throated Loon (?)	1	Traveling	Air	Far Distant
8 /5 /2009	ST7	12:50:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
8 /5 /2009	ST7	12:50:00 PM	Passerine (unidentified)	2	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Mew Gull	1	Traveling	Air	Near
8 /5 /2009	ST7	12:50:00 PM	Arctic Tern	2	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /5 /2009	ST7	12:50:00 PM	Dowitcher (unidentified)	14	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Mew Gull	4	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /5 /2009	ST8	11:25:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Savannah Sparrow	2	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Red-necked Phalarope	3	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Savannah Sparrow	10	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Savannah Sparrow	4	Resting	Land	Near
8 /5 /2009	ST8	11:25:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /5 /2009	ST8	11:25:00 AM	Brant	6	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Parasitic Jaeger	4	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /5 /2009	ST8	11:25:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Dunlin	25	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Harbor/Spotted Seal	2	Traveling	Water	Near
8 /5 /2009	ST8	11:25:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Arctic Tern	3	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Loon (unidentified)	2	Traveling	Air	Far Distant
8 /5 /2009	ST8	11:25:00 AM	Calidrid Sandpiper	11	Traveling	Air	Near
8 /5 /2009	ST8	11:25:00 AM	Mew Gull	1	Resting	Water	Near
8 /5 /2009	ST8	11:25:00 AM	Whimbrel/Curlew	8	Traveling	Air	Distant
8 /5 /2009	ST8	11:25:00 AM	Human	3	Traveling	Water	Near
8 /5 /2009	ST9	10:05:00 AM	Shorebird (unidentified)	12	Feeding	Sandbar	Distant
8 /5 /2009	ST9	10:05:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Near
8 /5 /2009	ST9	10:05:00 AM	Arctic Tern	7	Traveling	Air	Far Distant
8 /5 /2009	ST9	10:05:00 AM	Northern Pintail (?)	1	Traveling	Air	Far Distant
8 /5 /2009	ST9	10:05:00 AM	Pacific Loon	2	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
8 /5 /2009	ST9	10:05:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /5 /2009	ST9	10:05:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Whimbrel/Curlew	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /5 /2009	ST9	10:05:00 AM	Shorebird (unidentified)	15	Traveling	Air	Very Far Distant
8 /5 /2009	ST9	10:05:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /5 /2009	ST9	10:05:00 AM	Glaucous Gull	3	Resting	Sandbar	Distant
8 /5 /2009	ST9	10:05:00 AM	Arctic Tern	5	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Mew Gull	2	Resting	Land	Near
8 /5 /2009	ST9	10:05:00 AM	Savannah Sparrow	1	Resting	Land	Near
8 /5 /2009	ST9	10:05:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Dunlin	1	Traveling	Air	Near
8 /5 /2009	ST9	10:05:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /5 /2009	ST9	10:05:00 AM	Glaucous Gull	2	Traveling	Air	Near
8 /5 /2009	ST9	10:05:00 AM	Bird (unidentified)	10	Traveling	Air	Very Far Distant
8 /5 /2009	ST9	10:05:00 AM	Parasitic Jaeger	3	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Greater White-fronted Goose	2	Traveling	Air	Near
8 /5 /2009	ST9	10:05:00 AM	Red-throated Loon	1	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Mew Gull	4	Traveling	Air	Near
8 /5 /2009	ST9	10:05:00 AM	Arctic Tern	3	Traveling	Air	Near
8 /5 /2009	ST9	10:05:00 AM	Red-necked Phalarope	10	Traveling	Air	Near
8 /5 /2009	ST9	10:05:00 AM	Whimbrel/Curlew	19	Feeding	Sandbar	Distant
8 /5 /2009	ST9	10:05:00 AM	Mew Gull	2	Resting	Water	Near
8 /5 /2009	ST9	10:05:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Arctic Tern	13	Traveling	Air	Distant
8 /5 /2009	ST9	10:05:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
8 /5 /2009	ST9	10:05:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /5 /2009	ST9	10:05:00 AM	Arctic Tern	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Common Raven	2	Resting	Land	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Arctic Tern	3	Resting	Sandbar	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /6 /2009	ST1	12:15:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Black-bellied Plover	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
8 /6 /2009	ST1	12:15:00 PM	Human	1	Traveling	Water	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Duck (unidentified)	1	Resting	Water	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Common Raven	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /6 /2009	ST1	12:15:00 PM	Human	3	Traveling	Water	Near
8 /6 /2009	ST1	12:15:00 PM	Human	4	Subsist	Land	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Northern Harrier	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Human	7	Traveling	Water	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Yellow Warbler	3	Traveling	Air	Near
8 /6 /2009	ST1	12:15:00 PM	Mew Gull	2	Resting	Sandbar	Distant
8 /6 /2009	ST1	12:15:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Short-eared Owl	1	Traveling	Air	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Arctic Tern	1	Traveling	Air	Distant
8 /6 /2009	ST1	12:15:00 PM	Gull (unidentified)	17	Resting	Land	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Arctic Tern	15	Resting	Land	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Human	2	Traveling	Water	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Gull (unidentified)	6	Resting	Sandbar	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /6 /2009	ST1	12:15:00 PM	Human	5	Traveling	Water	Near
8 /6 /2009	ST1	12:15:00 PM	Arctic Tern	6	Resting	Sandbar	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Sandhill Crane	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST1	12:15:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /6 /2009	ST1	12:15:00 PM	Glaucous Gull	2	Resting	Sandbar	Far Distant
8 /6 /2009	ST1	12:15:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /6 /2009	ST6	11:22:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Arctic Tern	7	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Shorebird (unidentified)	17	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	14	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Mew Gull	1	Traveling	Air	Near
8 /6 /2009	ST6	11:22:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Goose (unidentified)	39	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Goose (unidentified)	50	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Shorebird (unidentified)	9	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Red-necked Phalarope	35	Traveling	Air	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Passerine (unidentified)	1	Traveling	Air	Near
8 /6 /2009	ST6	11:22:00 AM	Shorebird (unidentified)	4	Resting	Land	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Whimbrel	1	Traveling	Air	Distant
8 /6 /2009	ST6	11:22:00 AM	Redpoll (unidentified)	1	Resting	Land	Near
8 /6 /2009	ST6	11:22:00 AM	Yellow Warbler	2	Traveling	Air	Near
8 /6 /2009	ST6	11:22:00 AM	Shorebird (unidentified)	4	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Goose (unidentified)	166	Traveling	Air	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	American Tree Sparrow	1	Feeding	Sandbar	Near
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	1	Traveling	Air	Distant
8 /6 /2009	ST6	11:22:00 AM	Northern Shrike	1	Traveling	Air	Near
8 /6 /2009	ST6	11:22:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /6 /2009	ST6	11:22:00 AM	Canada Goose	4	Traveling	Air	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Shorebird (unidentified)	8	Resting	Sandbar	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Pacific Loon	1	Resting	Water	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Black-bellied Plover	1	Traveling	Air	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Gull (unidentified)	2	Resting	Land	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
8 /6 /2009	ST6	11:22:00 AM	Mew Gull	1	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Human	2	Traveling	Water	Very Far Distant
8 /6 /2009	ST6	11:22:00 AM	Yellow Warbler	3	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Mallard (?)	1	Traveling	Air	Distant
8 /6 /2009	ST7	09:50:00 AM	Arctic Tern	6	Feeding	Air	Distant
8 /6 /2009	ST7	09:50:00 AM	Gull (unidentified)	6	Traveling	Air	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /6 /2009	ST7	09:50:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST7	09:50:00 AM	Goose (unidentified)	26	Traveling	Air	Very Far Distant
8 /6 /2009	ST7	09:50:00 AM	Human	2	Traveling	Water	Near
8 /6 /2009	ST7	09:50:00 AM	American Wigeon	6	Traveling	Air	Distant
8 /6 /2009	ST7	09:50:00 AM	Passerine (unidentified)	4	Traveling	Air	Distant
8 /6 /2009	ST7	09:50:00 AM	Red-throated Loon	1	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST7	09:50:00 AM	Redpoll (unidentified)	17	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Canada Goose	6	Feeding	Land	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Shorebird (unidentified)	7	Traveling	Air	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Canada Goose	13	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Shorebird (unidentified)	5	Traveling	Air	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Savannah Sparrow	9	Resting	Land	Near
8 /6 /2009	ST7	09:50:00 AM	Savannah Sparrow	22	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Duck (unidentified)	1	Traveling	Air	Distant
8 /6 /2009	ST7	09:50:00 AM	Savannah Sparrow	6	Resting	Land	Near
8 /6 /2009	ST7	09:50:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Bird (unidentified)	17	Traveling	Air	Very Far Distant
8 /6 /2009	ST7	09:50:00 AM	Mew Gull	1	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Mew Gull	14	Traveling	Air	Near
8 /6 /2009	ST7	09:50:00 AM	Gull (unidentified)	1	Resting	Land	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Arctic Tern	2	Traveling	Air	Distant
8 /6 /2009	ST7	09:50:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Far Distant
8 /6 /2009	ST7	09:50:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
8 /6 /2009	ST7	09:50:00 AM	Gull (unidentified)	6	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST7	09:50:00 AM	Shorebird (unidentified)	10	Traveling	Air	Very Far Distant
8 /6 /2009	ST7	09:50:00 AM	Gull (unidentified)	9	Resting	Sandbar	Very Far Distant
8 /6 /2009	ST8	11:15:00 AM	Red-throated Loon	3	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Lesser Yellowlegs	4	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Passerine (unidentified)	5	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Savannah Sparrow	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /6 /2009	ST8	11:15:00 AM	Mew Gull	1	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Common Raven	1	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST8	11:15:00 AM	Red-necked Phalarope	49	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Human	3	Traveling	Water	Far Distant
8 /6 /2009	ST8	11:15:00 AM	Short-eared Owl	1	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Savannah Sparrow	3	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Northern Pintail (?)	13	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Shorebird (unidentified)	49	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Sandhill Crane	3	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Mew Gull	10	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Calidrid Sandpiper	20	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Red-necked Phalarope	2	Resting	Water	Near
8 /6 /2009	ST8	11:15:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
8 /6 /2009	ST8	11:15:00 AM	Arctic Tern	1	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Passerine (unidentified)	10	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Arctic Tern	6	Traveling	Air	Far Distant
8 /6 /2009	ST8	11:15:00 AM	Calidrid Sandpiper	178	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Shorebird (unidentified)	10	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Pacific Loon	1	Resting	Water	Distant
8 /6 /2009	ST8	11:15:00 AM	Red-necked Phalarope	3	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Red-throated Loon	1	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Arctic Tern	17	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Red-necked Phalarope	8	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Black-bellied Plover	2	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST8	11:15:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
8 /6 /2009	ST8	11:15:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /6 /2009	ST8	11:15:00 AM	Arctic Tern	6	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Shorebird (unidentified)	8	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Arctic Tern	4	Feeding	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Savannah Sparrow	1	Resting	Land	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /6 /2009	ST8	11:15:00 AM	Shorebird (unidentified)	11	Traveling	Air	Distant
8 /6 /2009	ST8	11:15:00 AM	Red-necked Phalarope	4	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
8 /6 /2009	ST8	11:15:00 AM	Arctic Tern	7	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Goose (unidentified)	17	Traveling	Air	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Gull (unidentified)	4	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Arctic Tern	8	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Glaucous Gull	2	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Black-bellied Plover	2	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Canada Goose	5	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Black Turnstone	5	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Shorebird (unidentified)	20	Traveling	Air	Distant
8 /6 /2009	ST9	12:25:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Northern Pintail	3	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Arctic Tern	1	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Savannah Sparrow	3	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Eagle (unidentified)	1	Traveling	Air	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Arctic Tern	4	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Duck (unidentified)	4	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Parasitic Jaeger	1	Resting	Land	Near
8 /6 /2009	ST9	12:25:00 PM	Savannah Sparrow	3	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Passerine (unidentified)	2	Traveling	Air	Distant
8 /6 /2009	ST9	12:25:00 PM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /6 /2009	ST9	12:25:00 PM	Glaucous Gull	4	Traveling	Air	Distant
8 /6 /2009	ST9	12:25:00 PM	Gull (unidentified)	1	Traveling	Air	Distant
8 /6 /2009	ST9	12:25:00 PM	Savannah Sparrow	1	Resting	Land	Near
8 /6 /2009	ST9	12:25:00 PM	Arctic Tern	4	Traveling	Air	Distant
8 /6 /2009	ST9	12:25:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /6 /2009	ST9	12:25:00 PM	Red-throated Loon (?)	1	Traveling	Air	Far Distant
8 /6 /2009	ST9	12:25:00 PM	Long-tailed Jaeger	1	Traveling	Air	Near
8 /6 /2009	ST9	12:25:00 PM	Northern Shoveler	1	Traveling	Air	Distant
8 /7 /2009	ST1	12:55:00 PM	Common Raven	1	Traveling	Air	Distant
8 /7 /2009	ST1	12:55:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /7 /2009	ST1	12:55:00 PM	Parasitic Jaeger	1	Resting	Sandbar	Distant
8 /7 /2009	ST1	12:55:00 PM	Glaucous Gull	2	Traveling	Air	Distant
8 /7 /2009	ST1	12:55:00 PM	Mew Gull	1	Resting	Water	Distant
8 /7 /2009	ST1	12:55:00 PM	Mew Gull	4	Resting	Sandbar	Distant
8 /7 /2009	ST1	12:55:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /7 /2009	ST1	12:55:00 PM	Yellow Warbler	3	Traveling	Air	Near
8 /7 /2009	ST1	12:55:00 PM	Arctic Tern	1	Feeding	Air	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Human	1	Traveling	Water	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Bird (unidentified)	2	Traveling	Air	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Glaucous Gull	1	Resting	Water	Distant
8 /7 /2009	ST1	12:55:00 PM	Human	2	Traveling	Water	Near
8 /7 /2009	ST1	12:55:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
8 /7 /2009	ST1	12:55:00 PM	Human	1	Subsist	Water	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Human	9	Traveling	Water	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Human	6	Traveling	Water	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Common Raven	3	Traveling	Air	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Human	4	Traveling	Water	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Shorebird (unidentified)	38	Resting	Land	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Herring Gull	1	Traveling	Air	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Glaucous Gull	2	Traveling	Air	Near
8 /7 /2009	ST1	12:55:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Black-bellied Plover	1	Traveling	Air	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Gull (unidentified)	8	Resting	Sandbar	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Arctic Tern	30	Traveling	Air	Far Distant
8 /7 /2009	ST1	12:55:00 PM	Glaucous Gull	8	Resting	Sandbar	Distant
8 /7 /2009	ST1	12:55:00 PM	Gull (unidentified)	4	Resting	Land	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Harbor/Spotted Seal	1	Traveling	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /7 /2009	ST1	12:55:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /7 /2009	ST1	12:55:00 PM	Bird (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Gull (unidentified)	5	Resting	Land	Very Far Distant
8 /7 /2009	ST1	12:55:00 PM	Shorebird (unidentified)	3	Resting	Sandbar	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Common Raven	5	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Human	2	Subsist	Water	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Arctic Tern	4	Resting	Sandbar	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Orange-crowned Warbler	2	Feeding	Land	Near
8 /7 /2009	ST6	11:26:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Black-bellied Plover	1	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Redpoll (unidentified)	1	Feeding	Land	Near
8 /7 /2009	ST6	11:26:00 AM	Gray-cheeked Thrush	1	Resting	Land	Near
8 /7 /2009	ST6	11:26:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Distant
8 /7 /2009	ST6	11:26:00 AM	Mew Gull	1	Resting	Sandbar	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Shorebird (unidentified)	10	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Mew Gull	6	Traveling	Air	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Plover (unidentified)	6	Resting	Sandbar	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Mew Gull	3	Resting	Sandbar	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Spotted Sandpiper	1	Resting	Land	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Sandhill Crane	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	5	Resting	Land	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Redpoll (unidentified)	10	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	4	Resting	Water	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Glaucous Gull	4	Feeding	Sandbar	Distant
8 /7 /2009	ST6	11:26:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Black-bellied Plover	2	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Shorebird (unidentified)	15	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Goose (unidentified)	100	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Plover (unidentified)	1	Resting	Sandbar	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Mew Gull	4	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /7 /2009	ST6	11:26:00 AM	Mew Gull	8	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	1	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Mew Gull	2	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Passerine (unidentified)	2	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Human	2	Traveling	Water	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Arctic Tern	7	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Yellow Warbler	2	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Mew Gull	2	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Black-bellied Plover	1	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Black-bellied Plover	2	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Shorebird (unidentified)	4	Resting	Sandbar	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Yellow Warbler	5	Traveling	Air	Near
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Goose (unidentified)	88	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Eider (unidentified)	12	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Gull (unidentified)	8	Traveling	Air	Distant
8 /7 /2009	ST6	11:26:00 AM	Greater White-fronted Goose	7	Traveling	Air	Very Far Distant
8 /7 /2009	ST6	11:26:00 AM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
8 /7 /2009	ST6	11:26:00 AM	Passerine (unidentified)	1	Resting	Land	Near
8 /7 /2009	ST6	11:26:00 AM	Common Raven	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /7 /2009	ST7	12:20:00 PM	Arctic Tern	5	Feeding	Air	Far Distant
8 /7 /2009	ST7	12:20:00 PM	Red-throated Loon	2	Traveling	Air	Near
8 /7 /2009	ST7	12:20:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Passerine (unidentified)	4	Traveling	Air	Near
8 /7 /2009	ST7	12:20:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Red-necked Phalarope	12	Resting	Water	Distant
8 /7 /2009	ST7	12:20:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /7 /2009	ST7	12:20:00 PM	Jaeger (?)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Wilson's (Common) Snipe	1	Traveling	Air	Near
8 /7 /2009	ST7	12:20:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Savannah Sparrow	14	Traveling	Air	Near
8 /7 /2009	ST7	12:20:00 PM	Human	24	Traveling	Water	Near
8 /7 /2009	ST7	12:20:00 PM	Shorebird (unidentified)	30	Feeding	Sandbar	Far Distant
8 /7 /2009	ST7	12:20:00 PM	Northern Pintail	5	Traveling	Air	Distant
8 /7 /2009	ST7	12:20:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Savannah Sparrow	1	Traveling	Air	Near
8 /7 /2009	ST7	12:20:00 PM	Canada Goose	12	Traveling	Air	Far Distant
8 /7 /2009	ST7	12:20:00 PM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Human	2	Traveling	Water	Near
8 /7 /2009	ST7	12:20:00 PM	Red-throated Loon	2	Traveling	Air	Distant
8 /7 /2009	ST7	12:20:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Savannah Sparrow	1	Traveling	Air	Near
8 /7 /2009	ST7	12:20:00 PM	Canada Goose (?)	3	Traveling	Air	Far Distant
8 /7 /2009	ST7	12:20:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
8 /7 /2009	ST7	12:20:00 PM	Passerine (unidentified)	3	Traveling	Air	Distant
8 /7 /2009	ST7	12:20:00 PM	Shorebird (unidentified)	18	Traveling	Air	Distant
8 /7 /2009	ST7	12:20:00 PM	Duck (unidentified)	7	Traveling	Air	Far Distant
8 /7 /2009	ST7	12:20:00 PM	Savannah Sparrow	3	Resting	Land	Near
8 /7 /2009	ST8	11:00:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /7 /2009	ST8	11:00:00 AM	Least/Semipalmated/Western Sandpiper	40	Feeding	Sandbar	Near
8 /7 /2009	ST8	11:00:00 AM	Savannah Sparrow	1	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Red-throated Loon	4	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	American Golden-Plover	2	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Black Turnstone	2	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Waterfowl (unidentified)	10	Traveling	Air	Very Far Distant
8 /7 /2009	ST8	11:00:00 AM	Northern Pintail	9	Traveling	Air	Distant
8 /7 /2009	ST8	11:00:00 AM	Canada Goose (?)	8	Traveling	Air	Far Distant
8 /7 /2009	ST8	11:00:00 AM	Least/Semipalmated/Western Sandpiper	1	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Northern Pintail	2	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Savannah Sparrow	2	Resting	Land	Near
8 /7 /2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /7 /2009	ST8	11:00:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
8 /7 /2009	ST8	11:00:00 AM	Mew Gull	2	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Arctic Tern	1	Traveling	Air	Distant
8 /7 /2009	ST8	11:00:00 AM	Black-bellied Plover	5	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Loon (unidentified)	2	Traveling	Air	Distant
8 /7 /2009	ST8	11:00:00 AM	Red-necked Phalarope	9	Resting	Water	Distant
8 /7 /2009	ST8	11:00:00 AM	Pacific Loon	1	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Harbor/Spotted Seal	1	Traveling	Water	Near
8 /7 /2009	ST8	11:00:00 AM	Least/Semipalmated/Western Sandpiper	40	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Sandpiper (unidentified)	20	Feeding	Sandbar	Distant
8 /7 /2009	ST8	11:00:00 AM	Red-necked Phalarope	60	Feeding	Sandbar	Distant
8 /7 /2009	ST8	11:00:00 AM	Red-breasted Merganser (?)	1	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Ruddy Turnstone	2	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Human	2	Traveling	Water	Very Far Distant
8 /7 /2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Red-necked Phalarope	2	Resting	Water	Distant
8 /7 /2009	ST8	11:00:00 AM	Northern Pintail	7	Traveling	Air	Distant
8 /7 /2009	ST8	11:00:00 AM	Red-throated Loon	1	Traveling	Air	Distant
8 /7 /2009	ST8	11:00:00 AM	Gull (unidentified)	6	Resting	Land	Very Far Distant
8 /7 /2009	ST8	11:00:00 AM	Shorebird (unidentified)	150	Traveling	Air	Very Far Distant
8 /7 /2009	ST8	11:00:00 AM	Shorebird (unidentified)	100	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /7 /2009	ST8	11:00:00 AM	Northern Shoveler	2	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Northern Shrike	3	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /7 /2009	ST8	11:00:00 AM	Mew Gull	1	Resting	Sandbar	Near
8 /7 /2009	ST8	11:00:00 AM	Northern Pintail	2	Resting	Water	Near
8 /7 /2009	ST8	11:00:00 AM	Shorebird (unidentified)	200	Resting	Sandbar	Far Distant
8 /7 /2009	ST8	11:00:00 AM	Redpoll (unidentified)	10	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Sandpiper (unidentified)	10	Traveling	Air	Distant
8 /7 /2009	ST8	11:00:00 AM	Red-necked Phalarope	97	Traveling	Air	Distant
8 /7 /2009	ST8	11:00:00 AM	Mew Gull	2	Traveling	Air	Near
8 /7 /2009	ST8	11:00:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /7 /2009	ST8	11:00:00 AM	Savannah Sparrow	13	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Mew Gull	2	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Northern Pintail (?)	2	Traveling	Air	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Bird (unidentified)	1	Resting	Water	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Northern Pintail	3	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Northern Shoveler	2	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Glaucous Gull	1	Resting	Sandbar	Distant
8 /7 /2009	ST9	09:50:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Arctic Tern	3	Traveling	Air	Distant
8 /7 /2009	ST9	09:50:00 AM	Gull (unidentified)	12	Resting	Sandbar	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
8 /7 /2009	ST9	09:50:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /7 /2009	ST9	09:50:00 AM	Dowitcher (unidentified)	1	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Shorebird (unidentified)	1	Resting	Sandbar	Distant
8 /7 /2009	ST9	09:50:00 AM	Shorebird (unidentified)	40	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Glaucous Gull	3	Resting	Water	Distant
8 /7 /2009	ST9	09:50:00 AM	Waterfowl (unidentified)	8	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Plover (unidentified)	5	Feeding	Sandbar	Distant
8 /7 /2009	ST9	09:50:00 AM	Northern Pintail	2	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Canada Goose	7	Traveling	Air	Distant
8 /7 /2009	ST9	09:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Green-winged Teal	6	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /7 /2009	ST9	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Gull (unidentified)	1	Traveling	Air	Distant
8 /7 /2009	ST9	09:50:00 AM	Greater White-fronted Goose	6	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Loon (unidentified)	5	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Canada Goose	6	Resting	Sandbar	Distant
8 /7 /2009	ST9	09:50:00 AM	Duck (unidentified)	4	Traveling	Air	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Passerine (unidentified)	1	Resting	Land	Distant
8 /7 /2009	ST9	09:50:00 AM	Arctic Tern	3	Resting	Sandbar	Distant
8 /7 /2009	ST9	09:50:00 AM	Arctic Tern	8	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Parasitic Jaeger	2	Resting	Sandbar	Near
8 /7 /2009	ST9	09:50:00 AM	Shorebird (unidentified)	20	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Calidrid Sandpiper	33	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Canada Goose	12	Traveling	Air	Distant
8 /7 /2009	ST9	09:50:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Goose (unidentified)	15	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Duck (unidentified)	4	Traveling	Air	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
8 /7 /2009	ST9	09:50:00 AM	Canada Goose	1	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Greater White-fronted Goose	7	Resting	Sandbar	Distant
8 /7 /2009	ST9	09:50:00 AM	Scoter (?)	1	Traveling	Air	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Duck (unidentified)	4	Resting	Water	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Northern Pintail	2	Resting	Water	Distant
8 /7 /2009	ST9	09:50:00 AM	Goose (unidentified)	9	Traveling	Air	Far Distant
8 /7 /2009	ST9	09:50:00 AM	Savannah Sparrow	8	Traveling	Air	Near
8 /7 /2009	ST9	09:50:00 AM	Shorebird (unidentified)	60	Resting	Sandbar	Far Distant
8 /10/2009	ST1	01:28:00 PM	Human	1	Traveling	Water	Near
8 /10/2009	ST1	01:28:00 PM	Mew Gull	4	Resting	Sandbar	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Mew Gull	2	Resting	Water	Far Distant
8 /10/2009	ST1	01:28:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Mew Gull	1	Resting	Sandbar	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /10/2009	ST1	01:28:00 PM	Mew Gull	5	Traveling	Air	Far Distant
8 /10/2009	ST1	01:28:00 PM	Human	2	Subsist	Water	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Duck (unidentified)	12	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Gull (unidentified)	5	Resting	Sandbar	Far Distant
8 /10/2009	ST1	01:28:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Common Loon	1	Resting	Water	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Glaucous Gull	4	Resting	Sandbar	Distant
8 /10/2009	ST1	01:28:00 PM	Glaucous Gull	1	Feeding	Sandbar	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Glaucous Gull	3	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Glaucous Gull	4	Traveling	Air	Far Distant
8 /10/2009	ST1	01:28:00 PM	Glaucous Gull	2	Traveling	Sandbar	Far Distant
8 /10/2009	ST1	01:28:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Gull (unidentified)	8	Resting	Land	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Sandhill Crane	1	Feeding	Land	Far Distant
8 /10/2009	ST1	01:28:00 PM	Redpoll (unidentified)	4	Traveling	Air	Distant
8 /10/2009	ST1	01:28:00 PM	Northern Pintail	1	Feeding	Water	Distant
8 /10/2009	ST1	01:28:00 PM	Sandhill Crane	2	Traveling	Air	Far Distant
8 /10/2009	ST1	01:28:00 PM	Mallard	1	Resting	Water	Far Distant
8 /10/2009	ST1	01:28:00 PM	Mew Gull	2	Traveling	Air	Far Distant
8 /10/2009	ST1	01:28:00 PM	Arctic Tern	2	Feeding	Air	Far Distant
8 /10/2009	ST1	01:28:00 PM	Gull (unidentified)	5	Resting	Land	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
8 /10/2009	ST1	01:28:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Northern Pintail	1	Traveling	Air	Distant
8 /10/2009	ST1	01:28:00 PM	Human	3	Traveling	Water	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /10/2009	ST1	01:28:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /10/2009	ST1	01:28:00 PM	Bald Eagle	2	Traveling	Air	Very Far Distant
8 /10/2009	ST1	01:28:00 PM	Human	1	Traveling	Water	Near
8 /10/2009	ST6	12:00:00 PM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /10/2009	ST6	12:00:00 PM	Plover (unidentified)	2	Resting	Sandbar	Far Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	3	Resting	Sandbar	Far Distant
8 /10/2009	ST6	12:00:00 PM	Mew Gull	4	Resting	Sandbar	Far Distant
8 /10/2009	ST6	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /10/2009	ST6	12:00:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	4	Traveling	Air	Far Distant
8 /10/2009	ST6	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /10/2009	ST6	12:00:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	10	Resting	Water	Far Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /10/2009	ST6	12:00:00 PM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	2	Traveling	Air	Near
8 /10/2009	ST6	12:00:00 PM	Yellow Warbler	1	Traveling	Air	Near
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	2	Traveling	Air	Distant
8 /10/2009	ST6	12:00:00 PM	Redpoll (unidentified)	6	Traveling	Air	Near
8 /10/2009	ST6	12:00:00 PM	Black-bellied Plover	6	Traveling	Air	Far Distant
8 /10/2009	ST6	12:00:00 PM	Red-necked Phalarope	22	Traveling	Air	Far Distant
8 /10/2009	ST6	12:00:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
8 /10/2009	ST6	12:00:00 PM	Gull (unidentified)	3	Resting	Water	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Human	2	Traveling	Water	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /10/2009	ST6	12:00:00 PM	Shorebird (unidentified)	4	Resting	Sandbar	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Mew Gull	3	Traveling	Air	Near
8 /10/2009	ST6	12:00:00 PM	Common Raven	1	Traveling	Air	Distant
8 /10/2009	ST6	12:00:00 PM	Goose (unidentified)	50	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	2	Traveling	Air	Distant
8 /10/2009	ST6	12:00:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
8 /10/2009	ST6	12:00:00 PM	Sandhill Crane	8	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /10/2009	ST6	12:00:00 PM	Mew Gull	3	Traveling	Air	Near
8 /10/2009	ST6	12:00:00 PM	Common Raven	3	Traveling	Air	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
8 /10/2009	ST6	12:00:00 PM	Plover (unidentified)	5	Resting	Sandbar	Far Distant
8 /10/2009	ST6	12:00:00 PM	Common Raven	4	Resting	Sandbar	Very Far Distant
8 /10/2009	ST6	12:00:00 PM	Glaucous Gull	4	Traveling	Air	Near
8 /10/2009	ST6	12:00:00 PM	Human	5	Traveling	Water	Near
8 /10/2009	ST7	09:30:00 AM	Parasitic Jaeger	1	Resting	Sandbar	Far Distant
8 /10/2009	ST7	09:30:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST7	09:30:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
8 /10/2009	ST7	09:30:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /10/2009	ST7	09:30:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST7	09:30:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	Glaucous Gull	4	Traveling	Air	Near
8 /10/2009	ST7	09:30:00 AM	Arctic Tern	4	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	American Wigeon	4	Traveling	Air	Far Distant
8 /10/2009	ST7	09:30:00 AM	Whimbrel	7	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	Northern Pintail	2	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant
8 /10/2009	ST7	09:30:00 AM	Mew Gull	7	Traveling	Air	Near
8 /10/2009	ST7	09:30:00 AM	Mallard	2	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	Mew Gull	1	Traveling	Air	Far Distant
8 /10/2009	ST7	09:30:00 AM	Glaucous Gull	1	Resting	Water	Far Distant
8 /10/2009	ST7	09:30:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
8 /10/2009	ST7	09:30:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /10/2009	ST7	09:30:00 AM	Pacific Loon	5	Traveling	Air	Near
8 /10/2009	ST7	09:30:00 AM	Yellow Warbler	1	Traveling	Air	Near
8 /10/2009	ST7	09:30:00 AM	Arctic Tern	5	Traveling	Air	Very Far Distant
8 /10/2009	ST7	09:30:00 AM	Shorebird (unidentified)	13	Traveling	Air	Far Distant
8 /10/2009	ST7	09:30:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
8 /10/2009	ST7	09:30:00 AM	Savannah Sparrow	57	Traveling	Air	Near
8 /10/2009	ST7	09:30:00 AM	Ruddy Turnstone	4	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /10/2009	ST7	09:30:00 AM	Savannah Sparrow	5	Resting	Land	Near
8 /10/2009	ST7	09:30:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
8 /10/2009	ST7	09:30:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST8	10:50:00 AM	Shorebird (unidentified)	53	Feeding	Sandbar	Distant
8 /10/2009	ST8	10:50:00 AM	Whimbrel	11	Traveling	Air	Near
8 /10/2009	ST8	10:50:00 AM	Glaucous Gull	8	Traveling	Air	Near
8 /10/2009	ST8	10:50:00 AM	Glaucous Gull	3	Resting	Sandbar	Distant
8 /10/2009	ST8	10:50:00 AM	Mallard	1	Traveling	Air	Distant
8 /10/2009	ST8	10:50:00 AM	Northern Pintail	3	Traveling	Air	Distant
8 /10/2009	ST8	10:50:00 AM	Red-necked Phalarope	1	Feeding	Sandbar	Near
8 /10/2009	ST8	10:50:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /10/2009	ST8	10:50:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /10/2009	ST8	10:50:00 AM	Shorebird (unidentified)	50	Traveling	Air	Very Far Distant
8 /10/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
8 /10/2009	ST8	10:50:00 AM	Savannah Sparrow	15	Traveling	Air	Near
8 /10/2009	ST8	10:50:00 AM	Loon (?)	2	Traveling	Air	Very Far Distant
8 /10/2009	ST8	10:50:00 AM	Glaucous-winged Gull	1	Traveling	Air	Distant
8 /10/2009	ST8	10:50:00 AM	Savannah Sparrow (?)	26	Traveling	Air	Distant
8 /10/2009	ST8	10:50:00 AM	Arctic Tern	1	Traveling	Air	Far Distant
8 /10/2009	ST8	10:50:00 AM	Wilson's (Common) Snipe	2	Traveling	Air	Near
8 /10/2009	ST8	10:50:00 AM	Shorebird (unidentified)	7	Traveling	Air	Very Far Distant
8 /10/2009	ST8	10:50:00 AM	Canada Goose (?)	2	Traveling	Air	Far Distant
8 /10/2009	ST8	10:50:00 AM	Savannah Sparrow	54	Traveling	Air	Near
8 /10/2009	ST8	10:50:00 AM	Shorebird (unidentified)	150	Traveling	Air	Far Distant
8 /10/2009	ST8	10:50:00 AM	Pacific Loon	2	Traveling	Air	Distant
8 /10/2009	ST8	10:50:00 AM	Whimbrel/Curlew	29	Traveling	Air	Far Distant
8 /10/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant
8 /10/2009	ST9	12:05:00 PM	Glaucous Gull	2	Traveling	Air	Distant
8 /10/2009	ST9	12:05:00 PM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
8 /10/2009	ST9	12:05:00 PM	American Golden-Plover	2	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Northern Pintail	1	Traveling	Air	Distant
8 /10/2009	ST9	12:05:00 PM	Red-throated Loon	1	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Mew Gull	3	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /10/2009	ST9	12:05:00 PM	Parasitic Jaeger	2	Resting	Sandbar	Distant
8 /10/2009	ST9	12:05:00 PM	Glaucous Gull	2	Resting	Sandbar	Distant
8 /10/2009	ST9	12:05:00 PM	Least/Semipalmated/Western Sandpiper	2	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Northern Pintail	1	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST9	12:05:00 PM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
8 /10/2009	ST9	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /10/2009	ST9	12:05:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /10/2009	ST9	12:05:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
8 /10/2009	ST9	12:05:00 PM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
8 /10/2009	ST9	12:05:00 PM	Common Raven	3	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Shorebird (unidentified)	5	Traveling	Air	Far Distant
8 /10/2009	ST9	12:05:00 PM	Glaucous Gull	6	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Dunlin	6	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Yellow-billed Loon (?)	1	Traveling	Air	Distant
8 /10/2009	ST9	12:05:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /10/2009	ST9	12:05:00 PM	Calidrid Sandpiper	4	Traveling	Air	Distant
8 /10/2009	ST9	12:05:00 PM	Whimbrel	8	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Northern Pintail	1	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Pacific Loon	3	Traveling	Air	Distant
8 /10/2009	ST9	12:05:00 PM	Savannah Sparrow	5	Traveling	Air	Near
8 /10/2009	ST9	12:05:00 PM	Mew Gull	1	Resting	Land	Near
8 /11/2009	ST7	09:35:00 AM	Glaucous Gull	5	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Pacific Loon	1	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Whimbrel/Curlew	8	Traveling	Air	Distant
8 /11/2009	ST7	09:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /11/2009	ST7	09:35:00 AM	Human	2	Commercial fishing	Water	Very Far Distant
8 /11/2009	ST7	09:35:00 AM	Passerine (unidentified)	4	Traveling	Air	Distant
8 /11/2009	ST7	09:35:00 AM	Human	2	Commercial fishing	Water	Near
8 /11/2009	ST7	09:35:00 AM	Human	2	Traveling	Water	Far Distant
8 /11/2009	ST7	09:35:00 AM	Golden-Plover (unidentified)	4	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Turnstone (unidentified)	4	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /11/2009	ST7	09:35:00 AM	Human	2	Traveling	Water	Near
8 /11/2009	ST7	09:35:00 AM	Yellow Warbler	2	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Red-throated Loon (?)	1	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Human	10	Commercial fishing	Water	Very Far Distant
8 /11/2009	ST7	09:35:00 AM	Savannah Sparrow	2	Resting	Land	Near
8 /11/2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /11/2009	ST7	09:35:00 AM	Savannah Sparrow	2	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Red-necked Phalarope (?)	2	Traveling	Air	Distant
8 /11/2009	ST7	09:35:00 AM	Harbor/Spotted Seal	1	Traveling	Water	Near
8 /11/2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /11/2009	ST7	09:35:00 AM	Savannah Sparrow	47	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Pacific Loon	3	Traveling	Air	Near
8 /11/2009	ST7	09:35:00 AM	Loon (unidentified)	1	Traveling	Air	Distant
8 /11/2009	ST7	09:35:00 AM	Human	1	Commercial fishing	Water	Near
8 /11/2009	ST7	09:35:00 AM	Passerine (unidentified)	9	Traveling	Air	Distant
8 /11/2009	ST7	09:35:00 AM	Whimbrel	13	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Red-necked Phalarope	26	Feeding	Sandbar	Distant
8 /11/2009	ST8	10:55:00 AM	Whimbrel	45	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Passerine (unidentified)	7	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Loon (unidentified)	4	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Common Raven	2	Resting	Sandbar	Distant
8 /11/2009	ST8	10:55:00 AM	Black-bellied Plover	4	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Glaucous Gull	4	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Harbor/Spotted Seal	1	Traveling	Water	Near
8 /11/2009	ST8	10:55:00 AM	Green-winged Teal	1	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Least/Semipalmated/Western Sandpiper	14	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /11/2009	ST8	10:55:00 AM	Green-winged Teal	1	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Passerine (unidentified)	8	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Plover (unidentified)	4	Feeding	Sandbar	Distant
8 /11/2009	ST8	10:55:00 AM	Dunlin	40	Feeding	Sandbar	Near
8 /11/2009	ST8	10:55:00 AM	Human	2	Traveling	Water	Distant
8 /11/2009	ST8	10:55:00 AM	Bar-tailed Godwit	3	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Green-winged Teal	1	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Northern Pintail	5	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	American Wigeon	8	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Whimbrel	14	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Savannah Sparrow	81	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Savannah Sparrow	5	Resting	Land	Near
8 /11/2009	ST8	10:55:00 AM	Human	4	Commercial fishing	Water	Distant
8 /11/2009	ST8	10:55:00 AM	Savannah Sparrow	5	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Red-throated Loon	1	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Mew Gull	1	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Savannah Sparrow	4	Resting	Land	Near
8 /11/2009	ST8	10:55:00 AM	Red-necked Phalarope	41	Feeding	Sandbar	Distant
8 /11/2009	ST8	10:55:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Gull (unidentified)	4	Resting	Sandbar	Far Distant
8 /11/2009	ST8	10:55:00 AM	Shorebird (unidentified)	113	Traveling	Air	Far Distant
8 /11/2009	ST8	10:55:00 AM	Glaucous Gull	2	Resting	Sandbar	Distant
8 /11/2009	ST8	10:55:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Mew Gull	3	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Goose (unidentified)	34	Traveling	Air	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
8 /11/2009	ST8	10:55:00 AM	Human	4	Commercial fishing	Water	Very Far Distant
8 /11/2009	ST8	10:55:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /11/2009	ST8	10:55:00 AM	Human	2	Traveling	Water	Near
8 /11/2009	ST8	10:55:00 AM	Black Turnstone	5	Feeding	Sandbar	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /11/2009	ST8	10:55:00 AM	Godwit (?)	8	Traveling	Air	Near
8 /11/2009	ST8	10:55:00 AM	Dunlin (?)	1	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Whimbrel	14	Traveling	Air	Distant
8 /11/2009	ST9	12:05:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /11/2009	ST9	12:05:00 PM	Dunlin	7	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Whimbrel	4	Traveling	Air	Far Distant
8 /11/2009	ST9	12:05:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /11/2009	ST9	12:05:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /11/2009	ST9	12:05:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
8 /11/2009	ST9	12:05:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
8 /11/2009	ST9	12:05:00 PM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Common Raven	2	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Whimbrel	3	Feeding	Sandbar	Distant
8 /11/2009	ST9	12:05:00 PM	Beaver	1	Traveling	Water	Near
8 /11/2009	ST9	12:05:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Glaucous Gull	2	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Shorebird (unidentified)	2	Feeding	Sandbar	Distant
8 /11/2009	ST9	12:05:00 PM	Arctic Tern	1	Traveling	Air	Distant
8 /11/2009	ST9	12:05:00 PM	Glaucous Gull	1	Feeding	Sandbar	Distant
8 /11/2009	ST9	12:05:00 PM	Black Turnstone	2	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Arctic Tern	3	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Calidrid Sandpiper	3	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Mew Gull	1	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Black Turnstone	1	Feeding	Sandbar	Distant
8 /11/2009	ST9	12:05:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /11/2009	ST9	12:05:00 PM	Whimbrel	9	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Mew Gull	1	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Mew Gull	1	Resting	Water	Near
8 /11/2009	ST9	12:05:00 PM	Common Raven	1	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Glaucous Gull	1	Resting	Land	Near
8 /11/2009	ST9	12:05:00 PM	Black Turnstone	5	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Dunlin	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /11/2009	ST9	12:05:00 PM	Whimbrel	26	Feeding	Sandbar	Distant
8 /11/2009	ST9	12:05:00 PM	American Wigeon	6	Traveling	Air	Far Distant
8 /11/2009	ST9	12:05:00 PM	Godwit (unidentified)	5	Feeding	Sandbar	Near
8 /11/2009	ST9	12:05:00 PM	Human	1	Traveling	Water	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Common Raven	1	Resting	Sandbar	Near
8 /11/2009	ST9	12:05:00 PM	Parasitic Jaeger	1	Resting	Sandbar	Near
8 /11/2009	ST9	12:05:00 PM	Shorebird (unidentified)	1	Feeding	Sandbar	Distant
8 /11/2009	ST9	12:05:00 PM	Waterfowl (unidentified)	25	Traveling	Air	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Duck (unidentified)	10	Traveling	Air	Very Far Distant
8 /11/2009	ST9	12:05:00 PM	Northern Pintail	14	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	American Wigeon	8	Traveling	Air	Distant
8 /11/2009	ST9	12:05:00 PM	Mew Gull	1	Resting	Land	Near
8 /11/2009	ST9	12:05:00 PM	Godwit (unidentified)	8	Traveling	Air	Near
8 /11/2009	ST9	12:05:00 PM	Plover (unidentified)	5	Feeding	Sandbar	Distant
8 /11/2009	ST9	12:05:00 PM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Common Raven	4	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Red-necked Phalarope	8	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Goose (unidentified)	60	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Glaucous Gull	3	Resting	Water	Far Distant
8 /12/2009	ST6	11:09:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Passerine (unidentified)	1	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Glaucous Gull	3	Resting	Sandbar	Far Distant
8 /12/2009	ST6	11:09:00 AM	Passerine (unidentified)	1	Resting	Land	Near
8 /12/2009	ST6	11:09:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
8 /12/2009	ST6	11:09:00 AM	Waterfowl (unidentified)	12	Resting	Water	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Glaucous Gull	1	Feeding	Water	Far Distant
8 /12/2009	ST6	11:09:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Rusty Blackbird	4	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Yellow Warbler	3	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Redpoll (unidentified)	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /12/2009	ST6	11:09:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Mew Gull	1	Resting	Water	Far Distant
8 /12/2009	ST6	11:09:00 AM	Northern Pintail	3	Traveling	Air	Far Distant
8 /12/2009	ST6	11:09:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Glaucous Gull	3	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
8 /12/2009	ST6	11:09:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Yellow Warbler	2	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Greater White-fronted Goose	6	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Warbler (unidentified)	1	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Goose (unidentified)	56	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Redpoll (unidentified)	12	Traveling	Air	Near
8 /12/2009	ST6	11:09:00 AM	Arctic Tern	1	Traveling	Air	Distant
8 /12/2009	ST6	11:09:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
8 /12/2009	ST6	11:09:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
8 /12/2009	ST9	11:15:00 AM	White-winged Scoter	5	Traveling	Air	Far Distant
8 /12/2009	ST9	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /12/2009	ST9	11:15:00 AM	Glaucous Gull	4	Resting	Sandbar	Distant
8 /12/2009	ST9	11:15:00 AM	Canada Goose	3	Traveling	Air	Far Distant
8 /12/2009	ST9	11:15:00 AM	Greater White-fronted Goose	5	Traveling	Air	Near
8 /12/2009	ST9	11:15:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
8 /12/2009	ST9	11:15:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
8 /12/2009	ST9	11:15:00 AM	Red-throated Loon	1	Resting	Water	Distant
8 /12/2009	ST9	11:15:00 AM	Sandhill Crane	3	Traveling	Air	Far Distant
8 /14/2009	ST1	02:04:00 PM	Passerine (unidentified)	3	Traveling	Air	Near
8 /14/2009	ST1	02:04:00 PM	Glaucous Gull	2	Resting	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /14/2009	ST1	02:04:00 PM	Short-eared Owl	1	Traveling	Air	Far Distant
8 /14/2009	ST1	02:04:00 PM	Shorebird (unidentified)	7	Traveling	Air	Distant
8 /14/2009	ST1	02:04:00 PM	Glaucous Gull	7	Traveling	Air	Distant
8 /14/2009	ST1	02:04:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /14/2009	ST1	02:04:00 PM	Mew Gull	5	Traveling	Air	Far Distant
8 /14/2009	ST1	02:04:00 PM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Savannah Sparrow	3	Resting	Land	Near
8 /14/2009	ST1	02:04:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /14/2009	ST1	02:04:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /14/2009	ST1	02:04:00 PM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Glaucous Gull	1	Resting	Sandbar	Distant
8 /14/2009	ST1	02:04:00 PM	Human	1	Subsist	Water	Distant
8 /14/2009	ST1	02:04:00 PM	Common Raven	1	Traveling	Air	Distant
8 /14/2009	ST1	02:04:00 PM	Gull (unidentified)	50	Resting	Sandbar	Distant
8 /14/2009	ST1	02:04:00 PM	Savannah Sparrow	2	Resting	Land	Near
8 /14/2009	ST1	02:04:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Mew Gull	1	Traveling	Air	Near
8 /14/2009	ST1	02:04:00 PM	Mallard	1	Traveling	Air	Near
8 /14/2009	ST1	02:04:00 PM	Plover (unidentified)	2	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Gull (unidentified)	2	Resting	Water	Far Distant
8 /14/2009	ST1	02:04:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /14/2009	ST1	02:04:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /14/2009	ST1	02:04:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /14/2009	ST1	02:04:00 PM	Gull (unidentified)	10	Resting	Water	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Redpoll (unidentified)	5	Traveling	Air	Near
8 /14/2009	ST1	02:04:00 PM	Sandhill Crane	6	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Glaucous Gull	3	Traveling	Air	Near
8 /14/2009	ST1	02:04:00 PM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /14/2009	ST1	02:04:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /14/2009	ST6	12:24:00 PM	Mew Gull	1	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Northern Pintail	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /14/2009	ST6	12:24:00 PM	Duck (unidentified)	2	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Sandhill Crane	7	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Mew Gull	1	Resting	Water	Far Distant
8 /14/2009	ST6	12:24:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Bald Eagle	1	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Sandhill Crane	2	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Goose (unidentified)	71	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Mew Gull	2	Traveling	Air	Near
8 /14/2009	ST6	12:24:00 PM	Yellow Warbler	1	Resting	Land	Near
8 /14/2009	ST6	12:24:00 PM	Mew Gull	2	Traveling	Air	Distant
8 /14/2009	ST6	12:24:00 PM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Gull (unidentified)	3	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Human	2	Resting	Water	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /14/2009	ST6	12:24:00 PM	Passerine (unidentified)	1	Traveling	Air	Near
8 /14/2009	ST6	12:24:00 PM	Goose (unidentified)	33	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Arctic Tern	1	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Sandhill Crane	4	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Canada Goose	2	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Human	1	Traveling	Water	Near
8 /14/2009	ST6	12:24:00 PM	Yellow Warbler	5	Traveling	Air	Near
8 /14/2009	ST6	12:24:00 PM	American Tree Sparrow	2	Resting	Land	Near
8 /14/2009	ST6	12:24:00 PM	Redpoll (unidentified)	2	Traveling	Air	Distant
8 /14/2009	ST6	12:24:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Goose (unidentified)	172	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Raptor	1	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Greater White-fronted Goose	4	Traveling	Air	Distant
8 /14/2009	ST6	12:24:00 PM	Mew Gull	3	Resting	Water	Far Distant
8 /14/2009	ST6	12:24:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Sandhill Crane	7	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /14/2009	ST6	12:24:00 PM	Goose (unidentified)	135	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Plover (unidentified)	1	Traveling	Air	Far Distant
8 /14/2009	ST6	12:24:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Parasitic Jaeger	3	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Waterfowl (unidentified)	50	Traveling	Air	Very Far Distant
8 /14/2009	ST6	12:24:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Shorebird (unidentified)	11	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Human	1	Traveling	Water	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Parasitic Jaeger	1	Feeding	Water	Far Distant
8 /17/2009	ST1	01:01:00 PM	Shorebird (unidentified)	2	Traveling	Air	Distant
8 /17/2009	ST1	01:01:00 PM	Redpoll (unidentified)	1	Traveling	Air	Distant
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Mew Gull	2	Traveling	Air	Far Distant
8 /17/2009	ST1	01:01:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /17/2009	ST1	01:01:00 PM	Glaucous Gull	2	Resting	Water	Distant
8 /17/2009	ST1	01:01:00 PM	Mew Gull	2	Traveling	Air	Distant
8 /17/2009	ST1	01:01:00 PM	Raptor	1	Resting	Land	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Mew Gull	4	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	1	Resting	Water	Far Distant
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Redpoll (unidentified)	6	Traveling	Air	Distant
8 /17/2009	ST1	01:01:00 PM	Redpoll (unidentified)	4	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Savannah Sparrow	2	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	3	Resting	Water	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Human	1	Traveling	Water	Far Distant
8 /17/2009	ST1	01:01:00 PM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Human	4	Traveling	Water	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Mew Gull	1	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Waterfowl (unidentified)	25	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Common Raven	1	Traveling	Air	Distant
8 /17/2009	ST1	01:01:00 PM	Mew Gull	1	Traveling	Air	Far Distant
8 /17/2009	ST1	01:01:00 PM	Redpoll (unidentified)	5	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /17/2009	ST1	01:01:00 PM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Common Raven	3	Resting	Land	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Common Raven	5	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /17/2009	ST1	01:01:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
8 /17/2009	ST1	01:01:00 PM	Gull (unidentified)	20	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
8 /17/2009	ST1	01:01:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST1	01:01:00 PM	Wigeon (unidentified)	2	Traveling	Air	Far Distant
8 /17/2009	ST6	11:26:00 AM	Passerine (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	American Tree Sparrow	2	Traveling	Air	Near
8 /17/2009	ST6	11:26:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Plover (unidentified)	4	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Calidrid Sandpiper	12	Traveling	Air	Near
8 /17/2009	ST6	11:26:00 AM	Goose (unidentified)	238	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Yellow Warbler	1	Traveling	Air	Near
8 /17/2009	ST6	11:26:00 AM	Gull (unidentified)	5	Traveling	Air	Far Distant
8 /17/2009	ST6	11:26:00 AM	Human	1	Traveling	Water	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Human	3	Traveling	Water	Near
8 /17/2009	ST6	11:26:00 AM	Common Raven	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /17/2009	ST6	11:26:00 AM	Gull (unidentified)	7	Resting	Water	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Arctic Tern	2	Traveling	Air	Far Distant
8 /17/2009	ST6	11:26:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Parasitic Jaeger	2	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /17/2009	ST6	11:26:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Parasitic Jaeger	1	Feeding	Water	Far Distant
8 /17/2009	ST6	11:26:00 AM	Yellow Warbler	3	Traveling	Air	Near
8 /17/2009	ST6	11:26:00 AM	Northern Harrier	3	Traveling	Air	Near
8 /17/2009	ST6	11:26:00 AM	Goose (unidentified)	223	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
8 /17/2009	ST6	11:26:00 AM	Sandhill Crane	3	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Mew Gull	1	Traveling	Air	Near
8 /17/2009	ST6	11:26:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Mew Gull	1	Traveling	Air	Far Distant
8 /17/2009	ST6	11:26:00 AM	Waterfowl (unidentified)	16	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST6	11:26:00 AM	Goose (unidentified)	2	Traveling	Air	Far Distant
8 /17/2009	ST6	11:26:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Northern Shrike	1	Resting	Land	Near
8 /17/2009	ST7	09:40:00 AM	Red-throated Loon	1	Feeding	Water	Near
8 /17/2009	ST7	09:40:00 AM	Red-necked Phalarope	4	Traveling	Air	Distant
8 /17/2009	ST7	09:40:00 AM	Black-bellied Plover	1	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Passerine (unidentified)	2	Traveling	Air	Far Distant
8 /17/2009	ST7	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Pacific Loon	2	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Northern Shrike	1	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Whimbrel	5	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Canada Goose	3	Traveling	Air	Far Distant
8 /17/2009	ST7	09:40:00 AM	Red-throated Loon	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /17/2009	ST7	09:40:00 AM	Parasitic Jaeger	1	Resting	Land	Distant
8 /17/2009	ST7	09:40:00 AM	Glaucous Gull	2	Resting	Water	Distant
8 /17/2009	ST7	09:40:00 AM	Human	2	Traveling	Water	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	American Wigeon	3	Traveling	Air	Distant
8 /17/2009	ST7	09:40:00 AM	Red-throated Loon	1	Traveling	Air	Far Distant
8 /17/2009	ST7	09:40:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Canada Goose	4	Traveling	Air	Distant
8 /17/2009	ST7	09:40:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Savannah Sparrow	28	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Mew Gull	1	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Pacific Loon (?)	4	Traveling	Air	Far Distant
8 /17/2009	ST7	09:40:00 AM	Glaucous Gull	3	Resting	Water	Distant
8 /17/2009	ST7	09:40:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Goose (unidentified)	4	Resting	Water	Distant
8 /17/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST7	09:40:00 AM	Northern Shoveler	1	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Shorebird (unidentified)	9	Traveling	Air	Far Distant
8 /17/2009	ST7	09:40:00 AM	Red-necked Phalarope	2	Traveling	Air	Near
8 /17/2009	ST7	09:40:00 AM	Savannah Sparrow	4	Traveling	Air	Distant
8 /17/2009	ST7	09:40:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
8 /17/2009	ST8	11:00:00 AM	Arctic Tern	1	Feeding	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Passerine (unidentified)	4	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Waterfowl (unidentified)	11	Traveling	Air	Very Far Distant
8 /17/2009	ST8	11:00:00 AM	Arctic Tern	2	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Arctic Tern	2	Resting	Water	Distant
8 /17/2009	ST8	11:00:00 AM	Shorebird (unidentified)	7	Traveling	Air	Far Distant
8 /17/2009	ST8	11:00:00 AM	Shorebird (unidentified)	8	Traveling	Air	Far Distant
8 /17/2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /17/2009	ST8	11:00:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST8	11:00:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /17/2009	ST8	11:00:00 AM	Plover (?)	2	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Wilson's (Common) Snipe	3	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Savannah Sparrow	19	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Calidrid Sandpiper	2	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Green-winged Teal (?)	3	Traveling	Air	Far Distant
8 /17/2009	ST8	11:00:00 AM	Mew Gull	1	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Goose (unidentified)	262	Traveling	Air	Very Far Distant
8 /17/2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Duck (unidentified)	1	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /17/2009	ST8	11:00:00 AM	Whimbrel	35	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Green-winged Teal	2	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
8 /17/2009	ST8	11:00:00 AM	Savannah Sparrow	30	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Canada Goose	14	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Red-throated Loon	1	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Whimbrel	2	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Glaucous Gull	3	Resting	Land	Distant
8 /17/2009	ST8	11:00:00 AM	Calidrid Sandpiper	9	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Canada Goose	16	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Savannah Sparrow	39	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Savannah Sparrow	2	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Green-winged Teal	1	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Green-winged Teal	4	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Northern Pintail	3	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Human	2	Traveling	Water	Far Distant
8 /17/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Glaucous Gull	4	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
8 /17/2009	ST8	11:00:00 AM	Red-throated Loon	1	Resting	Water	Near
8 /17/2009	ST8	11:00:00 AM	Northern Harrier	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /17/2009	ST8	11:00:00 AM	Short-eared Owl	1	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Merlin	1	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Common Raven	1	Traveling	Air	Near
8 /17/2009	ST8	11:00:00 AM	Green-winged Teal	8	Traveling	Air	Distant
8 /17/2009	ST8	11:00:00 AM	Glaucous Gull	2	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Shorebird (unidentified)	25	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Waterfowl (unidentified)	8	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Pacific Loon	3	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Loon (unidentified)	2	Traveling	Air	Far Distant
8 /17/2009	ST9	12:10:00 PM	Black-bellied Plover	1	Traveling	Air	Near
8 /17/2009	ST9	12:10:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Black Turnstone	7	Traveling	Air	Near
8 /17/2009	ST9	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Red-throated Loon	1	Traveling	Air	Far Distant
8 /17/2009	ST9	12:10:00 PM	Mew Gull	2	Traveling	Air	Near
8 /17/2009	ST9	12:10:00 PM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Canada Goose	6	Traveling	Air	Far Distant
8 /17/2009	ST9	12:10:00 PM	Goose (unidentified)	27	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Sandhill Crane	3	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Glaucous Gull	2	Resting	Land	Near
8 /17/2009	ST9	12:10:00 PM	Mew Gull	3	Resting	Land	Distant
8 /17/2009	ST9	12:10:00 PM	Glaucous Gull	3	Resting	Land	Distant
8 /17/2009	ST9	12:10:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Human	2	Traveling	Water	Far Distant
8 /17/2009	ST9	12:10:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Glaucous Gull	1	Resting	Water	Distant
8 /17/2009	ST9	12:10:00 PM	Plover (unidentified)	2	Feeding	Sandbar	Distant
8 /17/2009	ST9	12:10:00 PM	Mew Gull	1	Resting	Water	Near
8 /17/2009	ST9	12:10:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Canada Goose	13	Traveling	Air	Far Distant
8 /17/2009	ST9	12:10:00 PM	Common Raven	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /17/2009	ST9	12:10:00 PM	Gull (unidentified)	5	Resting	Land	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Goose (unidentified)	72	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Passerine (unidentified)	2	Traveling	Air	Far Distant
8 /17/2009	ST9	12:10:00 PM	Wilson's (Common) Snipe	1	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Whimbrel/Curlew	33	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Gull (unidentified)	2	Resting	Land	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Sandhill Crane	2	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Canada Goose	4	Traveling	Air	Near
8 /17/2009	ST9	12:10:00 PM	Calidrid Sandpiper	1	Traveling	Air	Near
8 /17/2009	ST9	12:10:00 PM	Savannah Sparrow	27	Traveling	Air	Near
8 /17/2009	ST9	12:10:00 PM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /17/2009	ST9	12:10:00 PM	Savannah Sparrow	1	Resting	Land	Near
8 /17/2009	ST9	12:10:00 PM	Canada Goose	4	Traveling	Air	Far Distant
8 /17/2009	ST9	12:10:00 PM	Glaucous Gull	9	Resting	Sandbar	Distant
8 /17/2009	ST9	12:10:00 PM	Greater White-fronted Goose	5	Traveling	Air	Distant
8 /17/2009	ST9	12:10:00 PM	Arctic Tern	2	Traveling	Air	Far Distant
8 /17/2009	ST9	12:10:00 PM	American Wigeon (?)	4	Traveling	Air	Distant
8 /18/2009	ST1	01:11:00 PM	Human	2	Traveling	Water	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Goose (unidentified)	20	Traveling	Air	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Redpoll (unidentified)	73	Traveling	Air	Near
8 /18/2009	ST1	01:11:00 PM	Glaucous Gull	9	Traveling	Air	Far Distant
8 /18/2009	ST1	01:11:00 PM	Mew Gull	5	Traveling	Air	Distant
8 /18/2009	ST1	01:11:00 PM	Gull (unidentified)	17	Resting	Water	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Mew Gull	1	Traveling	Air	Far Distant
8 /18/2009	ST1	01:11:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Gull (unidentified)	14	Traveling	Air	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Gull (unidentified)	10	Traveling	Air	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Shorebird (unidentified)	7	Traveling	Air	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /18/2009	ST1	01:11:00 PM	Human	4	Traveling	Water	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Human	4	Traveling	Water	Far Distant
8 /18/2009	ST1	01:11:00 PM	Human	9	Subsist	Water	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Wigeon (unidentified)	2	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /18/2009	ST1	01:11:00 PM	Human	2	Subsist	Water	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Goose (unidentified)	21	Traveling	Air	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Human	4	Traveling	Water	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Human	4	Subsist	Water	Very Far Distant
8 /18/2009	ST1	01:11:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /18/2009	ST1	01:11:00 PM	Lapland Longspur	2	Feeding	Land	Near
8 /18/2009	ST6	11:33:00 AM	Gull (unidentified)	8	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Gull (unidentified)	4	Resting	Water	Far Distant
8 /18/2009	ST6	11:33:00 AM	Human	4	Subsist	Water	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Glaucous Gull	9	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Waterfowl (unidentified)	15	Traveling	Air	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Human	6	Subsist	Water	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Human	4	Traveling	Water	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Glaucous Gull	3	Traveling	Air	Near
8 /18/2009	ST6	11:33:00 AM	Goose (unidentified)	20	Traveling	Air	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Human	4	Traveling	Water	Near
8 /18/2009	ST6	11:33:00 AM	Mew Gull	2	Traveling	Air	Near
8 /18/2009	ST6	11:33:00 AM	Shorebird (unidentified)	8	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Human	2	Traveling	Water	Near
8 /18/2009	ST6	11:33:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Human	2	Subsist	Water	Far Distant
8 /18/2009	ST6	11:33:00 AM	Duck (unidentified)	13	Traveling	Air	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Goose (unidentified)	106	Traveling	Air	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Redpoll (unidentified)	9	Traveling	Air	Near
8 /18/2009	ST6	11:33:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /18/2009	ST6	11:33:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /18/2009	ST6	11:33:00 AM	Human	2	Subsist	Water	Very Far Distant
8 /18/2009	ST6	11:33:00 AM	Mew Gull	1	Resting	Water	Distant
8 /18/2009	ST6	11:33:00 AM	Goose (unidentified)	110	Traveling	Air	Very Far Distant
8 /18/2009	ST7	12:10:00 PM	Parasitic Jaeger	2	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /18/2009	ST7	12:10:00 PM	Mew Gull	1	Feeding	Water	Near
8 /18/2009	ST7	12:10:00 PM	Mew Gull	2	Traveling	Air	Near
8 /18/2009	ST7	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /18/2009	ST7	12:10:00 PM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
8 /18/2009	ST7	12:10:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /18/2009	ST7	12:10:00 PM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
8 /18/2009	ST7	12:10:00 PM	Sandhill Crane	3	Traveling	Air	Distant
8 /18/2009	ST7	12:10:00 PM	Savannah Sparrow	2	Traveling	Air	Distant
8 /18/2009	ST7	12:10:00 PM	Wilson's (Common) Snipe	2	Traveling	Air	Near
8 /18/2009	ST7	12:10:00 PM	Human	2	Commercial fishing	Water	Far Distant
8 /18/2009	ST7	12:10:00 PM	Human	4	Traveling	Water	Near
8 /18/2009	ST7	12:10:00 PM	Passerine (unidentified)	4	Traveling	Air	Far Distant
8 /18/2009	ST7	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /18/2009	ST7	12:10:00 PM	Black-bellied Plover	2	Traveling	Air	Near
8 /18/2009	ST7	12:10:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /18/2009	ST7	12:10:00 PM	Savannah Sparrow	1	Traveling	Air	Distant
8 /18/2009	ST7	12:10:00 PM	Northern Pintail	1	Traveling	Air	Far Distant
8 /18/2009	ST7	12:10:00 PM	Goose (unidentified)	202	Traveling	Air	Very Far Distant
8 /18/2009	ST7	12:10:00 PM	Whimbrel	13	Traveling	Air	Distant
8 /18/2009	ST7	12:10:00 PM	Mew Gull	1	Resting	Water	Near
8 /18/2009	ST7	12:10:00 PM	Human	2	Commercial fishing	Water	Near
8 /18/2009	ST7	12:10:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /18/2009	ST7	12:10:00 PM	Human	4	Commercial fishing	Water	Distant
8 /18/2009	ST7	12:10:00 PM	Human	2	Commercial fishing	Water	Near
8 /18/2009	ST7	12:10:00 PM	Savannah Sparrow	9	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Human	1	Commercial fishing	Water	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Black-bellied Plover	5	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Red-throated Loon	1	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Green-winged Teal	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /18/2009	ST8	10:50:00 AM	Goose (unidentified)	10	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Glaucous Gull	4	Resting	Water	Far Distant
8 /18/2009	ST8	10:50:00 AM	Red-necked Phalarope	2	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Glaucous Gull	2	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Whimbrel	40	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Red-necked Phalarope	2	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Wilson's (Common) Snipe	4	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Red-necked Phalarope	16	Feeding	Water	Distant
8 /18/2009	ST8	10:50:00 AM	Canada Goose	1	Traveling	Air	Far Distant
8 /18/2009	ST8	10:50:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Red-throated Loon	1	Feeding	Water	Near
8 /18/2009	ST8	10:50:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Black Turnstone	2	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Green-winged Teal	12	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Whimbrel	4	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Dunlin	1	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Green-winged Teal	1	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Human	1	Commercial fishing	Water	Far Distant
8 /18/2009	ST8	10:50:00 AM	Calidrid Sandpiper	2	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Mew Gull	2	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Shorebird (unidentified)	8	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Whimbrel/Curlew	6	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Canada Goose	1	Traveling	Air	Distant
8 /18/2009	ST8	10:50:00 AM	Pacific Loon	3	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Savannah Sparrow	68	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Savannah Sparrow	12	Traveling	Air	Near
8 /18/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
8 /18/2009	ST8	10:50:00 AM	Whimbrel	6	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /18/2009	ST9	09:40:00 AM	Red-throated Loon (?)	1	Resting	Water	Distant
8 /18/2009	ST9	09:40:00 AM	Dowitcher (unidentified)	15	Traveling	Air	Near
8 /18/2009	ST9	09:40:00 AM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Sandhill Crane	1	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Waterfowl (unidentified)	12	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Waterfowl (unidentified)	6	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Bristle-thighed Curlew (?)	12	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Mew Gull	2	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
8 /18/2009	ST9	09:40:00 AM	Passerine (unidentified)	9	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Whimbrel	1	Traveling	Air	Near
8 /18/2009	ST9	09:40:00 AM	Goose (unidentified)	1	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Savannah Sparrow	1	Resting	Land	Near
8 /18/2009	ST9	09:40:00 AM	Whimbrel	2	Traveling	Air	Near
8 /18/2009	ST9	09:40:00 AM	Red-throated Loon	1	Resting	Water	Distant
8 /18/2009	ST9	09:40:00 AM	Canada Goose	6	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Shorebird (unidentified)	10	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Human	2	Commercial fishing	Water	Far Distant
8 /18/2009	ST9	09:40:00 AM	Red-necked Phalarope	11	Traveling	Air	Near
8 /18/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Savannah Sparrow	74	Traveling	Air	Near
8 /18/2009	ST9	09:40:00 AM	Northern Pintail	5	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Glaucous Gull	1	Resting	Land	Distant
8 /18/2009	ST9	09:40:00 AM	Passerine (unidentified)	13	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Pacific Loon	2	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Green-winged Teal	1	Traveling	Air	Near
8 /18/2009	ST9	09:40:00 AM	Calidrid Sandpiper	35	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /18/2009	ST9	09:40:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Whimbrel/Curlew	2	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Canada Goose	1	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Glaucous Gull	1	Resting	Water	Distant
8 /18/2009	ST9	09:40:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
8 /18/2009	ST9	09:40:00 AM	Calidrid Sandpiper	8	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Human	2	Commercial fishing	Water	Very Far Distant
8 /18/2009	ST9	09:40:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
8 /18/2009	ST9	09:40:00 AM	Common Raven	4	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Canada Goose	10	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Shorebird (unidentified)	25	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Goose (unidentified)	173	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Savannah Sparrow	32	Traveling	Air	Near
8 /19/2009	ST7	09:35:00 AM	Greater White-fronted Goose	9	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Canada Goose	30	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Goose (unidentified)	15	Feeding	Land	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Shorebird (unidentified)	16	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Loon (?)	2	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Passerine (unidentified)	3	Traveling	Air	Near
8 /19/2009	ST7	09:35:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /19/2009	ST7	09:35:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Mew Gull	3	Traveling	Air	Near
8 /19/2009	ST7	09:35:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Savannah Sparrow	3	Resting	Land	Near
8 /19/2009	ST7	09:35:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Goose (unidentified)	15	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Savannah Sparrow	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /19/2009	ST7	09:35:00 AM	Savannah Sparrow	20	Traveling	Air	Distant
8 /19/2009	ST7	09:35:00 AM	Northern Harrier	2	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Northern Shrike	4	Resting	Land	Near
8 /19/2009	ST7	09:35:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Grebe (?)	1	Feeding	Water	Distant
8 /19/2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /19/2009	ST7	09:35:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
8 /19/2009	ST7	09:35:00 AM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /19/2009	ST7	09:35:00 AM	Northern Harrier	1	Traveling	Air	Near
8 /19/2009	ST7	09:35:00 AM	Red-throated Loon	1	Traveling	Air	Near
8 /19/2009	ST7	09:35:00 AM	Red-throated Loon	1	Feeding	Water	Distant
8 /19/2009	ST8	10:50:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Greater White-fronted Goose	11	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Red-necked Phalarope	5	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Passerine (unidentified)	22	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /19/2009	ST8	10:50:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Savannah Sparrow	4	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Goose (unidentified)	18	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	18	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Black-bellied Plover	2	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Wilson's (Common) Snipe	2	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Canada Goose	6	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Glaucous Gull	4	Resting	Water	Near
8 /19/2009	ST8	10:50:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Parasitic Jaeger	1	Resting	Water	Distant
8 /19/2009	ST8	10:50:00 AM	Red-necked Phalarope	10	Feeding	Water	Distant
8 /19/2009	ST8	10:50:00 AM	Savannah Sparrow	180	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /19/2009	ST8	10:50:00 AM	Shorebird (unidentified)	25	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Wilson's (Common) Snipe	2	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Gull (unidentified)	3	Resting	Water	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Calidrid Sandpiper	11	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Goose (unidentified)	41	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Glaucous Gull	1	Resting	Water	Near
8 /19/2009	ST8	10:50:00 AM	Savannah Sparrow	95	Resting	Land	Near
8 /19/2009	ST8	10:50:00 AM	Goose (unidentified)	113	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Glaucous Gull	8	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Canada Goose	5	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /19/2009	ST8	10:50:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Mew Gull	2	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Red-necked Phalarope	5	Feeding	Water	Distant
8 /19/2009	ST8	10:50:00 AM	Passerine (unidentified)	3	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Pacific Loon	2	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Glaucous Gull	5	Resting	Water	Distant
8 /19/2009	ST8	10:50:00 AM	Northern Pintail	2	Traveling	Air	Far Distant
8 /19/2009	ST8	10:50:00 AM	Red-necked Phalarope	10	Feeding	Water	Near
8 /19/2009	ST8	10:50:00 AM	Northern Pintail	8	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Shorebird (unidentified)	10	Traveling	Air	Distant
8 /19/2009	ST8	10:50:00 AM	Red-necked Phalarope	9	Traveling	Air	Near
8 /19/2009	ST8	10:50:00 AM	Red-necked Phalarope (?)	1	Feeding	Water	Distant
8 /19/2009	ST8	10:50:00 AM	Shorebird (unidentified)	19	Traveling	Air	Far Distant
8 /19/2009	ST8	10:50:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
8 /19/2009	ST9	12:00:00 PM	Savannah Sparrow	70	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Canada Goose	10	Traveling	Air	Distant
8 /19/2009	ST9	12:00:00 PM	Passerine (unidentified)	14	Traveling	Air	Distant
8 /19/2009	ST9	12:00:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Pacific Loon	1	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Canada Goose	6	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Shorebird (unidentified)	15	Traveling	Air	Distant
8 /19/2009	ST9	12:00:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /19/2009	ST9	12:00:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Arctic Tern	1	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Black Turnstone	6	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Whimbrel/Curlew	6	Traveling	Air	Distant
8 /19/2009	ST9	12:00:00 PM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Canada Goose	4	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Red-necked Phalarope	3	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Northern Shrike	4	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Savannah Sparrow	47	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /19/2009	ST9	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Glaucous Gull	5	Resting	Water	Distant
8 /19/2009	ST9	12:00:00 PM	Mew Gull	1	Resting	Land	Distant
8 /19/2009	ST9	12:00:00 PM	Mew Gull	2	Resting	Water	Near
8 /19/2009	ST9	12:00:00 PM	Red-throated Loon	2	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Black Turnstone	6	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Glaucous Gull	1	Resting	Water	Distant
8 /19/2009	ST9	12:00:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /19/2009	ST9	12:00:00 PM	Green-winged Teal	1	Traveling	Air	Far Distant
8 /19/2009	ST9	12:00:00 PM	Whimbrel	3	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Savannah Sparrow	47	Traveling	Air	Near
8 /19/2009	ST9	12:00:00 PM	Goose (unidentified)	30	Traveling	Air	Very Far Distant
8 /19/2009	ST9	12:00:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Goose (unidentified)	62	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Canada Goose	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /20/2009	ST7	09:35:00 AM	Parasitic Jaeger	1	Traveling	Air	Near
8 /20/2009	ST7	09:35:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Canada Goose	2	Traveling	Air	Far Distant
8 /20/2009	ST7	09:35:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
8 /20/2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Savannah Sparrow (?)	8	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Glaucous Gull	6	Traveling	Air	Near
8 /20/2009	ST7	09:35:00 AM	Duck (unidentified)	3	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Glaucous Gull	4	Resting	Land	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Calidrid Sandpiper	25	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Pacific Loon	2	Traveling	Air	Near
8 /20/2009	ST7	09:35:00 AM	Mew Gull	4	Traveling	Air	Near
8 /20/2009	ST7	09:35:00 AM	Red-necked Phalarope (?)	6	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Whimbrel/Curlew	4	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Savannah Sparrow	4	Traveling	Air	Near
8 /20/2009	ST7	09:35:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Canada Goose	1	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Goose (unidentified)	38	Feeding	Land	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Human	2	Traveling	Water	Near
8 /20/2009	ST7	09:35:00 AM	Canada Goose	12	Traveling	Air	Distant
8 /20/2009	ST7	09:35:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
8 /20/2009	ST7	09:35:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Whimbrel	2	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Red-throated Loon	1	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Glaucous Gull	1	Resting	Water	Distant
8 /20/2009	ST8	11:00:00 AM	Canada Goose	12	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /20/2009	ST8	11:00:00 AM	Savannah Sparrow	15	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Common Raven	1	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Northern Pintail	3	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Waterfowl (unidentified)	6	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /20/2009	ST8	11:00:00 AM	Savannah Sparrow	60	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Pacific Loon	5	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Glaucous Gull	1	Feeding	Water	Near
8 /20/2009	ST8	11:00:00 AM	Black-bellied Plover	4	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Red-necked Phalarope	7	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Savannah Sparrow	11	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Goose (unidentified)	74	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /20/2009	ST8	11:00:00 AM	Least/Semipalmated/Western Sandpiper	14	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Red-necked Phalarope	8	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Glaucous Gull	2	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Canada Goose	7	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Calidrid Sandpiper	37	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Shorebird (unidentified)	8	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Red-necked Phalarope	1	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Green-winged Teal	8	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Parasitic Jaeger	2	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Glaucous Gull	3	Traveling	Air	Near
8 /20/2009	ST8	11:00:00 AM	Parasitic Jaeger	2	Traveling	Air	Distant
8 /20/2009	ST8	11:00:00 AM	Northern Pintail	2	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Red-necked Phalarope	3	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Savannah Sparrow	2	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Whimbrel	4	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /20/2009	ST9	12:10:00 PM	Whimbrel	5	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Whimbrel	2	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /20/2009	ST9	12:10:00 PM	Dunlin	24	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Pacific Loon	1	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Human	2	Traveling	Water	Near
8 /20/2009	ST9	12:10:00 PM	Passerine (unidentified)	1	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Canada Goose	5	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Calidrid Sandpiper	2	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Gull (unidentified)	2	Traveling	Air	Far Distant
8 /20/2009	ST9	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
8 /20/2009	ST9	12:10:00 PM	Canada Goose	16	Traveling	Air	Far Distant
8 /20/2009	ST9	12:10:00 PM	Black-bellied Plover	2	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Glaucous Gull	2	Resting	Land	Distant
8 /20/2009	ST9	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Canada Goose	6	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Godwit (?)	1	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Glaucous Gull	1	Resting	Water	Distant
8 /20/2009	ST9	12:10:00 PM	Whimbrel	5	Traveling	Air	Distant
8 /20/2009	ST9	12:10:00 PM	Savannah Sparrow	6	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Green-winged Teal	1	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Canada Goose	5	Traveling	Air	Far Distant
8 /20/2009	ST9	12:10:00 PM	Sandhill Crane	4	Traveling	Air	Far Distant
8 /20/2009	ST9	12:10:00 PM	Duck (unidentified)	5	Traveling	Air	Far Distant
8 /20/2009	ST9	12:10:00 PM	Canada Goose	5	Traveling	Air	Far Distant
8 /20/2009	ST9	12:10:00 PM	Sandhill Crane	2	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Mallard	2	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Green-winged Teal	4	Traveling	Air	Near
8 /20/2009	ST9	12:10:00 PM	Mew Gull	2	Traveling	Air	Near
8 /21/2009	ST7	12:30:00 PM	Goose (unidentified)	5	Traveling	Air	Far Distant
8 /21/2009	ST7	12:30:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /21/2009	ST7	12:30:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /21/2009	ST7	12:30:00 PM	Mallard	1	Traveling	Air	Near
8 /21/2009	ST7	12:30:00 PM	Savannah Sparrow	12	Traveling	Air	Near
8 /21/2009	ST7	12:30:00 PM	Glaucous Gull	5	Traveling	Air	Near
8 /21/2009	ST7	12:30:00 PM	Duck (unidentified)	4	Traveling	Air	Far Distant
8 /21/2009	ST7	12:30:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /21/2009	ST7	12:30:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /21/2009	ST7	12:30:00 PM	Canada Goose	40	Traveling	Air	Far Distant
8 /21/2009	ST7	12:30:00 PM	Canada Goose	4	Traveling	Air	Near
8 /21/2009	ST7	12:30:00 PM	Glaucous Gull	4	Resting	Water	Near
8 /21/2009	ST7	12:30:00 PM	Glaucous Gull	2	Resting	Water	Near
8 /21/2009	ST7	12:30:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /21/2009	ST7	12:30:00 PM	Canada Goose	12	Traveling	Air	Far Distant
8 /21/2009	ST7	12:30:00 PM	Common Raven	2	Traveling	Air	Far Distant
8 /21/2009	ST7	12:30:00 PM	Calidrid Sandpiper	50	Traveling	Air	Near
8 /21/2009	ST7	12:30:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /21/2009	ST7	12:30:00 PM	Savannah Sparrow	2	Traveling	Air	Near
8 /21/2009	ST7	12:30:00 PM	Glaucous Gull	4	Traveling	Air	Far Distant
8 /21/2009	ST7	12:30:00 PM	Goose (unidentified)	19	Traveling	Air	Very Far Distant
8 /21/2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Savannah Sparrow	8	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /21/2009	ST8	11:00:00 AM	Goose (unidentified)	130	Traveling	Air	Very Far Distant
8 /21/2009	ST8	11:00:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
8 /21/2009	ST8	11:00:00 AM	Greater White-fronted Goose	4	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Goose (unidentified)	109	Traveling	Air	Very Far Distant
8 /21/2009	ST8	11:00:00 AM	Glaucous-winged Gull	1	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Northern Pintail	1	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /21/2009	ST8	11:00:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /21/2009	ST8	11:00:00 AM	Gull (unidentified)	1	Resting	Land	Far Distant
8 /21/2009	ST8	11:00:00 AM	Common Raven	1	Traveling	Air	Far Distant
8 /21/2009	ST8	11:00:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Glaucous Gull	4	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Savannah Sparrow	8	Resting	Land	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /21/2009	ST8	11:00:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Glaucous Gull	2	Resting	Sandbar	Near
8 /21/2009	ST8	11:00:00 AM	Shorebird (unidentified)	20	Feeding	Sandbar	Near
8 /21/2009	ST8	11:00:00 AM	Canada Goose	2	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Mew Gull	10	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Canada Goose	4	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Savannah Sparrow	6	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Red-necked Phalarope	5	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /21/2009	ST8	11:00:00 AM	Northern Harrier	2	Traveling	Air	Far Distant
8 /21/2009	ST8	11:00:00 AM	Rock Sandpiper	3	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Calidrid Sandpiper	147	Traveling	Air	Near
8 /21/2009	ST8	11:00:00 AM	Savannah Sparrow	25	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
8 /21/2009	ST8	11:00:00 AM	Savannah Sparrow	26	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /21/2009	ST9	09:50:00 AM	Savannah Sparrow	5	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Common Raven	1	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Whimbrel	1	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Northern Pintail	2	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
8 /21/2009	ST9	09:50:00 AM	Sandhill Crane	11	Traveling	Air	Very Far Distant
8 /21/2009	ST9	09:50:00 AM	Savannah Sparrow	13	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /21/2009	ST9	09:50:00 AM	Common Raven	2	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Red-necked Phalarope	4	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Whimbrel	18	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Green-winged Teal	2	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Glaucous Gull	1	Feeding	Water	Near
8 /21/2009	ST9	09:50:00 AM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
8 /21/2009	ST9	09:50:00 AM	Savannah Sparrow	2	Resting	Land	Near
8 /21/2009	ST9	09:50:00 AM	Glaucous Gull	1	Resting	Sandbar	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /21/2009	ST9	09:50:00 AM	Northern Pintail	1	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Sandhill Crane	3	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Common Raven	1	Resting	Land	Distant
8 /21/2009	ST9	09:50:00 AM	Passerine (unidentified)	23	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Goose (unidentified)	8	Traveling	Air	Very Far Distant
8 /21/2009	ST9	09:50:00 AM	Glaucous Gull	2	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Shorebird (unidentified)	11	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
8 /21/2009	ST9	09:50:00 AM	Calidrid Sandpiper	23	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Savannah Sparrow	19	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Whimbrel	9	Resting	Land	Near
8 /21/2009	ST9	09:50:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /21/2009	ST9	09:50:00 AM	Glaucous Gull	2	Resting	Sandbar	Near
8 /21/2009	ST9	09:50:00 AM	Mew Gull	1	Traveling	Air	Near
8 /21/2009	ST9	09:50:00 AM	Northern Harrier	1	Traveling	Air	Distant
8 /21/2009	ST9	09:50:00 AM	Goose (unidentified)	36	Traveling	Air	Very Far Distant
8 /24/2009	ST7	12:10:00 PM	Northern Harrier	1	Traveling	Air	Near
8 /24/2009	ST7	12:10:00 PM	Canada Goose	15	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Northern Pintail	7	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Near
8 /24/2009	ST7	12:10:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
8 /24/2009	ST7	12:10:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /24/2009	ST7	12:10:00 PM	Common Raven	1	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Shorebird (unidentified)	3	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Glaucous Gull	2	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant
8 /24/2009	ST7	12:10:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /24/2009	ST7	12:10:00 PM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /24/2009	ST7	12:10:00 PM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Sandhill Crane	4	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant
8 /24/2009	ST7	12:10:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /24/2009	ST7	12:10:00 PM	Northern Pintail (?)	8	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /24/2009	ST7	12:10:00 PM	Mew Gull	6	Traveling	Air	Near
8 /24/2009	ST7	12:10:00 PM	Goose (unidentified)	24	Traveling	Air	Very Far Distant
8 /24/2009	ST7	12:10:00 PM	Glaucous Gull	2	Resting	Sandbar	Far Distant
8 /24/2009	ST7	12:10:00 PM	Canada Goose	5	Traveling	Air	Distant
8 /24/2009	ST7	12:10:00 PM	Glaucous Gull	7	Traveling	Air	Near
8 /24/2009	ST7	12:10:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /24/2009	ST7	12:10:00 PM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Glaucous Gull	5	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Pacific Loon	3	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Savannah Sparrow	30	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Yellowlegs (unidentified)	3	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Plover (unidentified)	2	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Savannah Sparrow	48	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	60	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	32	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	20	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Red-throated Loon	1	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Golden-Plover (unidentified)	2	Feeding	Sandbar	Near
8 /24/2009	ST8	10:50:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Greater White-fronted Goose	4	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Shorebird (unidentified)	13	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Shorebird (unidentified)	200	Feeding	Sandbar	Far Distant
8 /24/2009	ST8	10:50:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /24/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	16	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Northern Pintail	16	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Mew Gull	2	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Gull (unidentified)	2	Resting	Sandbar	Far Distant
8 /24/2009	ST8	10:50:00 AM	Goose (unidentified)	10	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Glaucous Gull	1	Resting	Water	Near
8 /24/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	8	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /24/2009	ST8	10:50:00 AM	Green-winged Teal	5	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Green-winged Teal	33	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Green-winged Teal	1	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Greater White-fronted Goose	7	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Greater White-fronted Goose	12	Feeding	Sandbar	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Green-winged Teal	3	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Tundra Swan	2	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Northern Harrier	3	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Bar-tailed Godwit	1	Feeding	Sandbar	Near
8 /24/2009	ST8	10:50:00 AM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Loon (?)	1	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Whimbrel	1	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Northern Harrier	1	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Savannah Sparrow	8	Resting	Land	Near
8 /24/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Dowitcher (unidentified)	4	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Northern Pintail	7	Feeding	Sandbar	Near
8 /24/2009	ST8	10:50:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /24/2009	ST8	10:50:00 AM	Long-tailed Jaeger	1	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Dowitcher (unidentified)	11	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Red-throated Loon	3	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Calidrid Sandpiper	9	Traveling	Air	Near
8 /24/2009	ST8	10:50:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	10	Traveling	Air	Distant
8 /24/2009	ST8	10:50:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
8 /24/2009	ST8	10:50:00 AM	Northern Pintail	4	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Canada Goose	1	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Passerine (unidentified)	6	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Whimbrel/Curlew	7	Feeding	Sandbar	Distant
8 /24/2009	ST9	09:40:00 AM	Passerine (unidentified)	5	Resting	Land	Distant
8 /24/2009	ST9	09:40:00 AM	Shorebird (unidentified)	15	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Duck (unidentified)	10	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /24/2009	ST9	09:40:00 AM	Bird (unidentified)	10	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Pacific Loon	5	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Dowitcher (unidentified)	14	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Loon (unidentified)	4	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /24/2009	ST9	09:40:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Whimbrel	9	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Mew Gull	1	Resting	Sandbar	Near
8 /24/2009	ST9	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Far Distant
8 /24/2009	ST9	09:40:00 AM	Dowitcher (unidentified)	7	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Shorebird (unidentified)	5	Traveling	Air	Far Distant
8 /24/2009	ST9	09:40:00 AM	Long-tailed Jaeger	1	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Canada Goose	15	Traveling	Air	Far Distant
8 /24/2009	ST9	09:40:00 AM	Northern Pintail	4	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Duck (unidentified)	5	Traveling	Air	Far Distant
8 /24/2009	ST9	09:40:00 AM	Whimbrel/Curlew	1	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Dowitcher (unidentified)	15	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	85	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Shorebird (unidentified)	8	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Red-necked Phalarope	9	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Mew Gull	2	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Greater White-fronted Goose	13	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Glaucous Gull	7	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Calidrid Sandpiper	9	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Savannah Sparrow	10	Feeding	Land	Near
8 /24/2009	ST9	09:40:00 AM	Dowitcher (unidentified)	21	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Glaucous Gull	2	Resting	Sandbar	Distant
8 /24/2009	ST9	09:40:00 AM	Savannah Sparrow	4	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /24/2009	ST9	09:40:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Canada Goose	13	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Northern Pintail	14	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Greater White-fronted Goose	12	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Gull (unidentified)	6	Resting	Sandbar	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Green-winged Teal	1	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Passerine (unidentified)	203	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Distant
8 /24/2009	ST9	09:40:00 AM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
8 /24/2009	ST9	09:40:00 AM	Savannah Sparrow	1	Traveling	Air	Near
8 /24/2009	ST9	09:40:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Mew Gull	2	Traveling	Air	Near
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	7	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /25/2009	ST1	11:44:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /25/2009	ST1	11:44:00 AM	Greater White-fronted Goose	3	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Greater White-fronted Goose	17	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	7	Feeding	Sandbar	Far Distant
8 /25/2009	ST1	11:44:00 AM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Northern Harrier	1	Traveling	Air	Distant
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	6	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Gull (unidentified)	15	Resting	Sandbar	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Tree Swallow	2	Traveling	Air	Near
8 /25/2009	ST1	11:44:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Mew Gull	3	Resting	Sandbar	Far Distant
8 /25/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Mew Gull	1	Resting	Sandbar	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Glaucous Gull	5	Resting	Sandbar	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Savannah Sparrow	5	Traveling	Air	Near
8 /25/2009	ST1	11:44:00 AM	Human	2	Traveling	Water	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	2	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /25/2009	ST1	11:44:00 AM	Gull (unidentified)	17	Resting	Sandbar	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Godwit (unidentified)	9	Resting	Sandbar	Far Distant
8 /25/2009	ST1	11:44:00 AM	Goose (unidentified)	25	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Golden-Plover (unidentified)	4	Feeding	Sandbar	Far Distant
8 /25/2009	ST1	11:44:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	1	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	1	Traveling	Air	Near
8 /25/2009	ST1	11:44:00 AM	Mew Gull	5	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Mew Gull	1	Traveling	Air	Near
8 /25/2009	ST1	11:44:00 AM	Raptor	1	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Sandhill Crane	4	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	3	Feeding	Sandbar	Far Distant
8 /25/2009	ST1	11:44:00 AM	Goose (unidentified)	8	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Mew Gull	3	Resting	Sandbar	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Brant	38	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Greater White-fronted Goose	2	Traveling	Air	Distant
8 /25/2009	ST1	11:44:00 AM	Northern Pintail	1	Traveling	Air	Distant
8 /25/2009	ST1	11:44:00 AM	Greater White-fronted Goose	7	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Peregrine Falcon	1	Traveling	Air	Distant
8 /25/2009	ST1	11:44:00 AM	Merlin	3	Feeding	Air	Near
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
8 /25/2009	ST1	11:44:00 AM	Short-eared Owl	1	Traveling	Air	Far Distant
8 /25/2009	ST1	11:44:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Savannah Sparrow	23	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Parasitic Jaeger	1	Traveling	Air	Far Distant
8 /25/2009	ST7	09:30:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Mew Gull	3	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Canada Goose	5	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /25/2009	ST7	09:30:00 AM	Greater White-fronted Goose	4	Feeding	Sandbar	Far Distant
8 /25/2009	ST7	09:30:00 AM	Northern Harrier	1	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Goose (unidentified)	28	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Sabine's Gull	1	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Mew Gull	2	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Greater White-fronted Goose	8	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Glaucous Gull	2	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Pacific Loon	4	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Common Loon	1	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Northern Harrier	2	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Sandhill Crane	2	Traveling	Air	Far Distant
8 /25/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Sandhill Crane	6	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Black Turnstone	1	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Northern Pintail	6	Traveling	Air	Far Distant
8 /25/2009	ST7	09:30:00 AM	Savannah Sparrow	3	Resting	Land	Near
8 /25/2009	ST7	09:30:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /25/2009	ST7	09:30:00 AM	Waterfowl (unidentified)	50	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Canada Goose	2	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Whimbrel	3	Traveling	Air	Near
8 /25/2009	ST7	09:30:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /25/2009	ST7	09:30:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
8 /25/2009	ST7	09:30:00 AM	Black Turnstone	1	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Mew Gull	1	Feeding	Air	Near
8 /25/2009	ST8	10:45:00 AM	Black-bellied Plover	8	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Mew Gull	2	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Red-throated Loon	2	Traveling	Air	Far Distant
8 /25/2009	ST8	10:45:00 AM	Duck (unidentified)	18	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /25/2009	ST8	10:45:00 AM	Goose (unidentified)	86	Traveling	Air	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Northern Pintail	3	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Savannah Sparrow	17	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Shorebird (unidentified)	5	Feeding	Sandbar	Far Distant
8 /25/2009	ST8	10:45:00 AM	Dowitcher (unidentified)	12	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Calidrid Sandpiper	6	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Goose (unidentified)	19	Traveling	Air	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
8 /25/2009	ST8	10:45:00 AM	Glaucous Gull	5	Resting	Sandbar	Near
8 /25/2009	ST8	10:45:00 AM	Canada Goose	9	Traveling	Air	Distant
8 /25/2009	ST8	10:45:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Northern Pintail	1	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Red-throated Loon	2	Resting	Water	Near
8 /25/2009	ST8	10:45:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Mew Gull	1	Resting	Water	Near
8 /25/2009	ST8	10:45:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Savannah Sparrow	5	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Savannah Sparrow	15	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Wilson's (Common) Snipe	3	Resting	Sandbar	Near
8 /25/2009	ST8	10:45:00 AM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Northern Shoveler	1	Traveling	Air	Distant
8 /25/2009	ST8	10:45:00 AM	Northern Harrier	1	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Whimbrel/Curlew	4	Traveling	Air	Near
8 /25/2009	ST8	10:45:00 AM	Savannah Sparrow	6	Resting	Land	Near
8 /25/2009	ST8	10:45:00 AM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Waterfowl (unidentified)	60	Traveling	Air	Very Far Distant
8 /25/2009	ST8	10:45:00 AM	Glaucous Gull	5	Traveling	Air	Near
8 /25/2009	ST9	12:00:00 PM	Glaucous Gull	8	Traveling	Air	Near
8 /25/2009	ST9	12:00:00 PM	Passerine (unidentified)	3	Traveling	Air	Distant
8 /25/2009	ST9	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /25/2009	ST9	12:00:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /25/2009	ST9	12:00:00 PM	Canada Goose	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /25/2009	ST9	12:00:00 PM	Goose (unidentified)	31	Traveling	Air	Very Far Distant
8 /25/2009	ST9	12:00:00 PM	Canada Goose	11	Traveling	Air	Distant
8 /25/2009	ST9	12:00:00 PM	Goose (unidentified)	4	Traveling	Air	Far Distant
8 /25/2009	ST9	12:00:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /25/2009	ST9	12:00:00 PM	Greater White-fronted Goose	2	Traveling	Air	Far Distant
8 /25/2009	ST9	12:00:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /25/2009	ST9	12:00:00 PM	Green-winged Teal	1	Traveling	Air	Distant
8 /25/2009	ST9	12:00:00 PM	Tundra Swan	3	Traveling	Air	Distant
8 /25/2009	ST9	12:00:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /25/2009	ST9	12:00:00 PM	Duck (unidentified)	2	Traveling	Air	Far Distant
8 /25/2009	ST9	12:00:00 PM	Glaucous Gull	2	Traveling	Air	Distant
8 /25/2009	ST9	12:00:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /25/2009	ST9	12:00:00 PM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant
8 /25/2009	ST9	12:00:00 PM	Black-bellied Plover	8	Traveling	Air	Near
8 /25/2009	ST9	12:00:00 PM	Human	3	Traveling	Water	Near
8 /25/2009	ST9	12:00:00 PM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Glaucous Gull	4	Traveling	Air	Far Distant
8 /26/2009	ST1	12:44:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST1	12:44:00 PM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
8 /26/2009	ST1	12:44:00 PM	Human	1	Traveling	Water	Near
8 /26/2009	ST1	12:44:00 PM	Goose (unidentified)	74	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Mew Gull	1	Resting	Water	Near
8 /26/2009	ST1	12:44:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Plover (unidentified)	2	Feeding	Sandbar	Far Distant
8 /26/2009	ST1	12:44:00 PM	Plover (unidentified)	4	Feeding	Sandbar	Far Distant
8 /26/2009	ST1	12:44:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Black-bellied Plover	11	Traveling	Air	Near
8 /26/2009	ST1	12:44:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /26/2009	ST1	12:44:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
8 /26/2009	ST1	12:44:00 PM	Gull (unidentified)	20	Resting	Sandbar	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Duck (unidentified)	7	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Shorebird (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Human	2	Traveling	Water	Distant
8 /26/2009	ST1	12:44:00 PM	Goose (unidentified)	4	Feeding	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /26/2009	ST1	12:44:00 PM	Shorebird (unidentified)	2	Feeding	Sandbar	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Goose (unidentified)	26	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Gull (unidentified)	4	Traveling	Air	Far Distant
8 /26/2009	ST1	12:44:00 PM	Gull (unidentified)	8	Resting	Sandbar	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Northern Harrier	2	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Glaucous Gull	3	Resting	Sandbar	Far Distant
8 /26/2009	ST1	12:44:00 PM	Glaucous Gull	3	Resting	Sandbar	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	American Tree Sparrow	2	Traveling	Air	Near
8 /26/2009	ST1	12:44:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST1	12:44:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST1	12:44:00 PM	Glaucous Gull	3	Resting	Sandbar	Far Distant
8 /26/2009	ST6	11:13:00 AM	Black-bellied Plover	2	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Goose (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Goose (unidentified)	15	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Goose (unidentified)	19	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Yellowlegs (unidentified)	3	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Mallard	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Mew Gull	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Northern Harrier	2	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Redpoll (unidentified)	4	Resting	Land	Near
8 /26/2009	ST6	11:13:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /26/2009	ST6	11:13:00 AM	Greater White-fronted Goose	18	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Mew Gull	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Shorebird (unidentified)	11	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Human	2	Traveling	Water	Near
8 /26/2009	ST6	11:13:00 AM	Brant	6	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Yellow Warbler	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Mew Gull	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Mew Gull	4	Resting	Water	Far Distant
8 /26/2009	ST6	11:13:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Rusty Blackbird	3	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Human	13	Traveling	Water	Near
8 /26/2009	ST6	11:13:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Greater White-fronted Goose	15	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Mew Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST6	11:13:00 AM	Tundra Swan	4	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Greater White-fronted Goose	1	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Goose (unidentified)	26	Traveling	Air	Distant
8 /26/2009	ST6	11:13:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Mew Gull	5	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST6	11:13:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
8 /26/2009	ST6	11:13:00 AM	Canada Goose	1	Traveling	Air	Distant
8 /26/2009	ST6	11:13:00 AM	Northern Pintail	5	Traveling	Air	Near
8 /26/2009	ST6	11:13:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST7	10:55:00 AM	Passerine (unidentified)	16	Traveling	Air	Distant
8 /26/2009	ST7	10:55:00 AM	Sparrow (unidentified)	1	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
8 /26/2009	ST7	10:55:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST7	10:55:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST7	10:55:00 AM	Greater White-fronted Goose	3	Traveling	Air	Far Distant
8 /26/2009	ST7	10:55:00 AM	Greater White-fronted Goose	6	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /26/2009	ST7	10:55:00 AM	Goose (unidentified)	59	Traveling	Air	Very Far Distant
8 /26/2009	ST7	10:55:00 AM	Canada Goose	42	Resting	Land	Far Distant
8 /26/2009	ST7	10:55:00 AM	Northern Pintail	2	Traveling	Air	Distant
8 /26/2009	ST7	10:55:00 AM	Greater White-fronted Goose	1	Traveling	Air	Distant
8 /26/2009	ST7	10:55:00 AM	Northern Pintail	4	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST7	10:55:00 AM	Gull (unidentified)	3	Resting	Sandbar	Far Distant
8 /26/2009	ST7	10:55:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	American Wigeon	2	Traveling	Air	Distant
8 /26/2009	ST7	10:55:00 AM	Northern Pintail	1	Resting	Sandbar	Distant
8 /26/2009	ST7	10:55:00 AM	Greater White-fronted Goose	5	Resting	Land	Far Distant
8 /26/2009	ST7	10:55:00 AM	Canada Goose	7	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	Northern Pintail	2	Traveling	Air	Distant
8 /26/2009	ST7	10:55:00 AM	Canada Goose	5	Traveling	Air	Far Distant
8 /26/2009	ST7	10:55:00 AM	Savannah Sparrow	3	Resting	Land	Near
8 /26/2009	ST7	10:55:00 AM	Golden-Plover (unidentified)	15	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST7	10:55:00 AM	Whimbrel	2	Traveling	Air	Distant
8 /26/2009	ST7	10:55:00 AM	Whimbrel	4	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	Northern Pintail	4	Traveling	Air	Far Distant
8 /26/2009	ST7	10:55:00 AM	Canada Goose	6	Traveling	Air	Far Distant
8 /26/2009	ST7	10:55:00 AM	Canada Goose	6	Traveling	Air	Far Distant
8 /26/2009	ST7	10:55:00 AM	Savannah Sparrow	20	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	Sandhill Crane	4	Traveling	Air	Very Far Distant
8 /26/2009	ST7	10:55:00 AM	Northern Harrier	1	Traveling	Air	Near
8 /26/2009	ST7	10:55:00 AM	Mew Gull	2	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Least/Semipalmated/Western Sandpiper	12	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Savannah Sparrow	39	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Goose (unidentified)	50	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Shorebird (unidentified)	2	Traveling	Air	Distant
8 /26/2009	ST8	12:15:00 PM	Glaucous Gull	2	Resting	Sandbar	Near
8 /26/2009	ST8	12:15:00 PM	Calidrid Sandpiper	7	Traveling	Air	Distant
8 /26/2009	ST8	12:15:00 PM	Glaucous Gull	2	Traveling	Air	Far Distant
8 /26/2009	ST8	12:15:00 PM	Calidrid Sandpiper	29	Feeding	Sandbar	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /26/2009	ST8	12:15:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
8 /26/2009	ST8	12:15:00 PM	Glaucous Gull	5	Resting	Sandbar	Far Distant
8 /26/2009	ST8	12:15:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /26/2009	ST8	12:15:00 PM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
8 /26/2009	ST8	12:15:00 PM	Canada Goose	1	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Bank Swallow	4	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Mew Gull	1	Resting	Sandbar	Near
8 /26/2009	ST8	12:15:00 PM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /26/2009	ST8	12:15:00 PM	Northern Pintail	4	Resting	Water	Distant
8 /26/2009	ST8	12:15:00 PM	Mallard	1	Feeding	Sandbar	Distant
8 /26/2009	ST8	12:15:00 PM	Northern Pintail	5	Feeding	Sandbar	Distant
8 /26/2009	ST8	12:15:00 PM	Calidrid Sandpiper	30	Traveling	Air	Distant
8 /26/2009	ST8	12:15:00 PM	Goose (unidentified)	237	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Passerine (unidentified)	5	Traveling	Air	Distant
8 /26/2009	ST8	12:15:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /26/2009	ST8	12:15:00 PM	Whimbrel	2	Feeding	Sandbar	Near
8 /26/2009	ST8	12:15:00 PM	Dunlin	6	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Canada Goose	11	Traveling	Air	Far Distant
8 /26/2009	ST8	12:15:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /26/2009	ST8	12:15:00 PM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Gull (unidentified)	2	Resting	Sandbar	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Northern Shoveler	3	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST8	12:15:00 PM	Savannah Sparrow	10	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Glaucous Gull	3	Traveling	Air	Near
8 /26/2009	ST8	12:15:00 PM	Canada Goose	6	Traveling	Air	Distant
8 /26/2009	ST8	12:15:00 PM	Shorebird (unidentified)	50	Traveling	Air	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Greater White-fronted Goose	7	Feeding	Sandbar	Distant
8 /26/2009	ST9	01:25:00 PM	Loon (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /26/2009	ST9	01:25:00 PM	Mallard	6	Traveling	Air	Distant
8 /26/2009	ST9	01:25:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Canada Goose	16	Traveling	Air	Far Distant
8 /26/2009	ST9	01:25:00 PM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Bird (unidentified)	1	Traveling	Air	Far Distant
8 /26/2009	ST9	01:25:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /26/2009	ST9	01:25:00 PM	Greater White-fronted Goose	1	Traveling	Air	Far Distant
8 /26/2009	ST9	01:25:00 PM	Goose (unidentified)	27	Traveling	Air	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Gull (unidentified)	2	Traveling	Air	Far Distant
8 /26/2009	ST9	01:25:00 PM	Duck (unidentified)	2	Traveling	Air	Far Distant
8 /26/2009	ST9	01:25:00 PM	Glaucous Gull	1	Traveling	Air	Distant
8 /26/2009	ST9	01:25:00 PM	Canada Goose	4	Feeding	Sandbar	Distant
8 /26/2009	ST9	01:25:00 PM	Passerine (unidentified)	5	Traveling	Air	Distant
8 /26/2009	ST9	01:25:00 PM	Whimbrel	3	Traveling	Air	Near
8 /26/2009	ST9	01:25:00 PM	Plover (unidentified)	6	Feeding	Sandbar	Distant
8 /26/2009	ST9	01:25:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Common Raven	4	Traveling	Air	Very Far Distant
8 /26/2009	ST9	01:25:00 PM	Northern Pintail	3	Traveling	Air	Distant
8 /26/2009	ST9	01:25:00 PM	Whimbrel/Curlew	7	Feeding	Sandbar	Distant
8 /26/2009	ST9	01:25:00 PM	Canada Goose	5	Traveling	Air	Distant
8 /26/2009	ST9	01:25:00 PM	Glaucous Gull	2	Resting	Sandbar	Distant
8 /26/2009	ST9	01:25:00 PM	Greater White-fronted Goose	4	Traveling	Air	Distant
8 /26/2009	ST9	01:25:00 PM	Black-bellied Plover	1	Traveling	Air	Near
8 /26/2009	ST9	01:25:00 PM	Canada Goose	25	Traveling	Air	Far Distant
8 /26/2009	ST9	01:25:00 PM	Glaucous Gull	1	Resting	Sandbar	Near
8 /26/2009	ST9	01:25:00 PM	Glaucous Gull	2	Traveling	Air	Near
8 /26/2009	ST9	01:25:00 PM	Mew Gull	1	Traveling	Air	Distant
8 /27/2009	ST7	10:50:00 AM	Savannah Sparrow	2	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Greater White-fronted Goose	2	Traveling	Air	Distant
8 /27/2009	ST7	10:50:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
8 /27/2009	ST7	10:50:00 AM	Northern Harrier	2	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /27/2009	ST7	10:50:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
8 /27/2009	ST7	10:50:00 AM	Northern Harrier	2	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Canada Goose	10	Traveling	Air	Far Distant
8 /27/2009	ST7	10:50:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
8 /27/2009	ST7	10:50:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
8 /27/2009	ST7	10:50:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
8 /27/2009	ST7	10:50:00 AM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
8 /27/2009	ST7	10:50:00 AM	Canada Goose	6	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Sandhill Crane	5	Traveling	Air	Far Distant
8 /27/2009	ST7	10:50:00 AM	Duck (unidentified)	3	Traveling	Air	Far Distant
8 /27/2009	ST7	10:50:00 AM	Northern Pintail	2	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Canada Goose	6	Traveling	Air	Distant
8 /27/2009	ST7	10:50:00 AM	Black Turnstone	3	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Goose (unidentified)	28	Traveling	Air	Very Far Distant
8 /27/2009	ST7	10:50:00 AM	Goose (unidentified)	27	Feeding	Sandbar	Far Distant
8 /27/2009	ST7	10:50:00 AM	Gull (unidentified)	4	Feeding	Sandbar	Far Distant
8 /27/2009	ST7	10:50:00 AM	Pacific Loon	2	Traveling	Air	Distant
8 /27/2009	ST7	10:50:00 AM	Greater White-fronted Goose	6	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
8 /27/2009	ST7	10:50:00 AM	Canada Goose	7	Traveling	Air	Distant
8 /27/2009	ST7	10:50:00 AM	Savannah Sparrow	13	Resting	Land	Near
8 /27/2009	ST7	10:50:00 AM	Savannah Sparrow	10	Traveling	Air	Near
8 /27/2009	ST7	10:50:00 AM	Gull (unidentified)	8	Resting	Sandbar	Very Far Distant
8 /27/2009	ST7	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /27/2009	ST8	09:35:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
8 /27/2009	ST8	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Goose (unidentified)	26	Traveling	Air	Very Far Distant
8 /27/2009	ST8	09:35:00 AM	Calidrid Sandpiper	8	Traveling	Air	Distant
8 /27/2009	ST8	09:35:00 AM	Gull (unidentified)	40	Resting	Sandbar	Distant
8 /27/2009	ST8	09:35:00 AM	Bird (unidentified)	100	Traveling	Air	Very Far Distant
8 /27/2009	ST8	09:35:00 AM	Northern Pintail	1	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Ptarmigan (unidentified)	3	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Seal (unidentified)	1	Traveling	Water	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /27/2009	ST8	09:35:00 AM	American Wigeon	2	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Mallard	6	Feeding	Sandbar	Distant
8 /27/2009	ST8	09:35:00 AM	Greater White-fronted Goose	1	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Mallard	18	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Whimbrel	5	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Mew Gull	1	Traveling	Air	Distant
8 /27/2009	ST8	09:35:00 AM	Northern Harrier	1	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
8 /27/2009	ST8	09:35:00 AM	Loon (?)	1	Traveling	Air	Very Far Distant
8 /27/2009	ST8	09:35:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
8 /27/2009	ST8	09:35:00 AM	Glaucous Gull	2	Traveling	Air	Distant
8 /27/2009	ST8	09:35:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /27/2009	ST8	09:35:00 AM	Sabine's Gull	1	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Mallard	1	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Mew Gull	2	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Savannah Sparrow	1	Feeding	Land	Near
8 /27/2009	ST8	09:35:00 AM	Green-winged Teal	1	Traveling	Air	Distant
8 /27/2009	ST8	09:35:00 AM	Glaucous Gull	15	Resting	Sandbar	Distant
8 /27/2009	ST8	09:35:00 AM	Calidrid Sandpiper	28	Traveling	Air	Distant
8 /27/2009	ST8	09:35:00 AM	Duck (unidentified)	7	Traveling	Air	Far Distant
8 /27/2009	ST8	09:35:00 AM	Greater White-fronted Goose	4	Feeding	Sandbar	Distant
8 /27/2009	ST8	09:35:00 AM	Northern Pintail	6	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Shorebird (unidentified)	43	Feeding	Sandbar	Distant
8 /27/2009	ST8	09:35:00 AM	Glaucous Gull	4	Resting	Sandbar	Near
8 /27/2009	ST8	09:35:00 AM	Shorebird (unidentified)	10	Traveling	Air	Far Distant
8 /27/2009	ST8	09:35:00 AM	Northern Harrier	1	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Savannah Sparrow	9	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Savannah Sparrow	53	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Golden-Plover (unidentified)	1	Feeding	Sandbar	Near
8 /27/2009	ST8	09:35:00 AM	Black Turnstone	3	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Goose (unidentified)	49	Traveling	Air	Very Far Distant
8 /27/2009	ST8	09:35:00 AM	Calidrid Sandpiper	41	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Golden-Plover (unidentified)	4	Traveling	Air	Near
8 /27/2009	ST8	09:35:00 AM	Calidrid Sandpiper	17	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /28/2009	ST1	11:20:00 AM	Mew Gull	4	Traveling	Air	Distant
8 /28/2009	ST1	11:20:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Gull (unidentified)	11	Resting	Sandbar	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Canada Goose	13	Traveling	Air	Distant
8 /28/2009	ST1	11:20:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /28/2009	ST1	11:20:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Goose (unidentified)	60	Feeding	Sandbar	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Goose (unidentified)	24	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Mew Gull	1	Traveling	Air	Near
8 /28/2009	ST1	11:20:00 AM	Sparrow (unidentified)	1	Traveling	Air	Distant
8 /28/2009	ST1	11:20:00 AM	Greater White-fronted Goose	8	Traveling	Air	Distant
8 /28/2009	ST1	11:20:00 AM	Ptarmigan (unidentified)	20	Traveling	Air	Distant
8 /28/2009	ST1	11:20:00 AM	Tundra Swan	3	Traveling	Air	Far Distant
8 /28/2009	ST1	11:20:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
8 /28/2009	ST1	11:20:00 AM	Mew Gull	3	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Sandhill Crane	6	Traveling	Air	Far Distant
8 /28/2009	ST1	11:20:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
8 /28/2009	ST1	11:20:00 AM	Goose (unidentified)	34	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Waterfowl (unidentified)	12	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Savannah Sparrow	3	Traveling	Air	Near
8 /28/2009	ST1	11:20:00 AM	Greater White-fronted Goose	4	Traveling	Air	Far Distant
8 /28/2009	ST1	11:20:00 AM	Goose (unidentified)	14	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Northern Harrier	1	Traveling	Air	Near
8 /28/2009	ST1	11:20:00 AM	Northern Harrier	2	Traveling	Air	Far Distant
8 /28/2009	ST1	11:20:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
8 /28/2009	ST1	11:20:00 AM	Ptarmigan (unidentified)	50	Traveling	Air	Distant
8 /28/2009	ST1	11:20:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
8 /28/2009	ST1	11:20:00 AM	Short-eared Owl	1	Feeding	Air	Far Distant
8 /28/2009	ST1	11:20:00 AM	Yellow Warbler	3	Traveling	Air	Near
8 /28/2009	ST1	11:20:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /28/2009	ST1	11:20:00 AM	Ptarmigan (unidentified)	40	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Pacific Loon (?)	1	Traveling	Air	Far Distant
8 /28/2009	ST7	09:35:00 AM	Calidrid Sandpiper	3	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Canada Goose	5	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Ptarmigan (unidentified)	1	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
8 /28/2009	ST7	09:35:00 AM	Savannah Sparrow	3	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Canada Goose	3	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Pacific Loon	2	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Calidrid Sandpiper	3	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Greater White-fronted Goose	3	Traveling	Air	Far Distant
8 /28/2009	ST7	09:35:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
8 /28/2009	ST7	09:35:00 AM	Goose (unidentified)	13	Traveling	Air	Far Distant
8 /28/2009	ST7	09:35:00 AM	Savannah Sparrow	1	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Canada Goose	1	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Common Raven	1	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Goose (unidentified)	4	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Waterfowl (unidentified)	22	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	American Wigeon	6	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Goose (unidentified)	34	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Goose (unidentified)	150	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Pacific Loon	1	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
8 /28/2009	ST7	09:35:00 AM	Red-necked Phalarope	2	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Bar-tailed Godwit	1	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Red-necked Phalarope	3	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Northern Pintail	1	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Savannah Sparrow	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
8 /28/2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Duck (unidentified)	7	Traveling	Air	Very Far Distant
8 /28/2009	ST7	09:35:00 AM	Black-bellied Plover	2	Traveling	Air	Near
8 /28/2009	ST7	09:35:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
8 /28/2009	ST7	09:35:00 AM	Mew Gull	1	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Shorebird (unidentified)	8	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /2 /2009	ST1	12:33:00 PM	Savannah Sparrow	12	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Goose (unidentified)	30	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Mew Gull	1	Traveling	Air	Distant
9 /2 /2009	ST1	12:33:00 PM	Ptarmigan (unidentified)	5	Traveling	Air	Far Distant
9 /2 /2009	ST1	12:33:00 PM	Goose (unidentified)	40	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Human	5	Traveling	Water	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Canada Goose	2	Traveling	Air	Distant
9 /2 /2009	ST1	12:33:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Mallard	1	Traveling	Air	Far Distant
9 /2 /2009	ST1	12:33:00 PM	Ptarmigan (unidentified)	5	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Black-bellied Plover	2	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Sandpiper (unidentified)	4	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Goose (unidentified)	57	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Savannah Sparrow	38	Resting	Land	Near
9 /2 /2009	ST1	12:33:00 PM	Human	1	Traveling	Water	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Human	3	Traveling	Water	Near
9 /2 /2009	ST1	12:33:00 PM	Brant	7	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Greater White-fronted Goose	5	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Canada Goose	11	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Mew Gull	2	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Canada Goose	23	Traveling	Air	Distant
9 /2 /2009	ST1	12:33:00 PM	Human	1	Traveling	Water	Distant
9 /2 /2009	ST1	12:33:00 PM	Gull (unidentified)	4	Resting	Water	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Black-bellied Plover	6	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Shorebird (unidentified)	20	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /2 /2009	ST1	12:33:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Goose (unidentified)	8	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Mew Gull	8	Resting	Water	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Gull (unidentified)	24	Resting	Land	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Mew Gull	31	Resting	Sandbar	Very Far Distant
9 /2 /2009	ST1	12:33:00 PM	Canada Goose	5	Traveling	Air	Near
9 /2 /2009	ST1	12:33:00 PM	Ptarmigan (unidentified)	5	Traveling	Air	Near
9 /2 /2009	ST6	11:11:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
9 /2 /2009	ST6	11:11:00 AM	Glaucous Gull	4	Resting	Sandbar	Far Distant
9 /2 /2009	ST6	11:11:00 AM	Northern Harrier	2	Traveling	Air	Distant
9 /2 /2009	ST6	11:11:00 AM	Goose (unidentified)	28	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
9 /2 /2009	ST6	11:11:00 AM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Mew Gull	14	Resting	Sandbar	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Human	2	Traveling	Water	Near
9 /2 /2009	ST6	11:11:00 AM	Mew Gull	3	Resting	Water	Far Distant
9 /2 /2009	ST6	11:11:00 AM	Black-bellied Plover	1	Traveling	Air	Far Distant
9 /2 /2009	ST6	11:11:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
9 /2 /2009	ST6	11:11:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Yellow Warbler	1	Traveling	Air	Near
9 /2 /2009	ST6	11:11:00 AM	Passerine (unidentified)	2	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Plover (unidentified)	1	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Shorebird (unidentified)	12	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Yellow Warbler	1	Resting	Land	Near
9 /2 /2009	ST6	11:11:00 AM	Sandhill Crane	7	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Canada Goose	42	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Sandhill Crane	2	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Mew Gull	22	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Glaucous Gull	3	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /2 /2009	ST6	11:11:00 AM	Greater White-fronted Goose	3	Traveling	Air	Distant
9 /2 /2009	ST6	11:11:00 AM	Pacific Loon	1	Traveling	Air	Near
9 /2 /2009	ST6	11:11:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /2 /2009	ST6	11:11:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /2 /2009	ST6	11:11:00 AM	Canada Goose	3	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Parasitic Jaeger	1	Traveling	Air	Distant
9 /2 /2009	ST6	11:11:00 AM	Human	2	Traveling	Water	Near
9 /2 /2009	ST6	11:11:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Gull (unidentified)	18	Resting	Water	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Canada Goose	3	Traveling	Air	Distant
9 /2 /2009	ST6	11:11:00 AM	Mallard	3	Traveling	Air	Far Distant
9 /2 /2009	ST6	11:11:00 AM	Ptarmigan (unidentified)	9	Traveling	Air	Very Far Distant
9 /2 /2009	ST6	11:11:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Gull (unidentified)	18	Resting	Land	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Mew Gull	1	Resting	Water	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Common Raven	3	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Canada Goose	7	Feeding	Land	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Common Raven	1	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Glaucous Gull	2	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Canada Goose	4	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Ptarmigan (unidentified)	12	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Savannah Sparrow	3	Traveling	Air	Near
9 /3 /2009	ST1	12:30:00 PM	Glaucous Gull	1	Resting	Water	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Glaucous Gull	2	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Ptarmigan (unidentified)	102	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /3 /2009	ST1	12:30:00 PM	Canada Goose	12	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Greater White-fronted Goose	7	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Mew Gull	22	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Mew Gull	5	Resting	Sandbar	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Plover (unidentified)	5	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Human	1	Traveling	Water	Near
9 /3 /2009	ST1	12:30:00 PM	Northern Pintail	1	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Mew Gull	7	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Ptarmigan (unidentified)	2	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
9 /3 /2009	ST1	12:30:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Plover (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Glaucous Gull	9	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Human	4	Traveling	Water	Very Far Distant
9 /3 /2009	ST1	12:30:00 PM	Common Loon	1	Feeding	Water	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Common Raven	1	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Mew Gull	7	Resting	Sandbar	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	17	Resting	Sandbar	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Plover (unidentified)	1	Traveling	Air	Distant
9 /3 /2009	ST6	11:11:00 AM	Goose (unidentified)	19	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Mew Gull	8	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /3 /2009	ST6	11:11:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Goose (unidentified)	100	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Common Loon	1	Traveling	Air	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Canada Goose	17	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Mew Gull	61	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /3 /2009	ST6	11:11:00 AM	Goose (unidentified)	24	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Resting	Water	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Sandpiper (unidentified)	24	Feeding	Sandbar	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Northern Harrier	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Goose (unidentified)	20	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Plover (unidentified)	1	Traveling	Air	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Mew Gull	2	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Gull (unidentified)	1	Feeding	Land	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Pacific Loon	1	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Mew Gull	1	Traveling	Air	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Rusty Blackbird	1	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Goose (unidentified)	17	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Canada Goose	12	Traveling	Air	Far Distant
9 /3 /2009	ST6	11:11:00 AM	Plover (unidentified)	2	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Gull (unidentified)	1	Traveling	Air	Distant
9 /3 /2009	ST6	11:11:00 AM	Sandhill Crane	7	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Goose (unidentified)	10	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /3 /2009	ST6	11:11:00 AM	Wigeon (unidentified)	1	Traveling	Air	Near
9 /3 /2009	ST6	11:11:00 AM	Tundra Swan	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Ptarmigan (unidentified)	40	Traveling	Air	Very Far Distant
9 /3 /2009	ST6	11:11:00 AM	Yellow Warbler	2	Traveling	Air	Near
9 /3 /2009	ST7	09:35:00 AM	Human	2	Subsist	Water	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Savannah Sparrow	1	Traveling	Air	Near
9 /3 /2009	ST7	09:35:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Waterfowl (unidentified)	15	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Common Raven	5	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Pelagic Cormorant	1	Traveling	Air	Near
9 /3 /2009	ST7	09:35:00 AM	Canada Goose	4	Traveling	Air	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Goose (unidentified)	26	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	20	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Tundra Swan	1	Traveling	Air	Distant
9 /3 /2009	ST7	09:35:00 AM	Greater Scaup	4	Traveling	Air	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	19	Traveling	Air	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	8	Feeding	Sandbar	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	8	Traveling	Air	Distant
9 /3 /2009	ST7	09:35:00 AM	Human	3	Traveling	Water	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /3 /2009	ST7	09:35:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	4	Resting	Land	Far Distant
9 /3 /2009	ST7	09:35:00 AM	Goose (unidentified)	26	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	5	Resting	Land	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /3 /2009	ST7	09:35:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /3 /2009	ST7	09:35:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
9 /3 /2009	ST7	09:35:00 AM	Savannah Sparrow	4	Traveling	Air	Near
9 /3 /2009	ST7	09:35:00 AM	Lapland Longspur	1	Traveling	Air	Near
9 /3 /2009	ST7	09:35:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /3 /2009	ST7	09:35:00 AM	Shorebird (unidentified)	50	Resting	Sandbar	Very Far Distant
9 /3 /2009	ST7	09:35:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Canada Goose	6	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /3 /2009	ST8	10:55:00 AM	Savannah Sparrow	4	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Canada Goose	25	Traveling	Air	Far Distant
9 /3 /2009	ST8	10:55:00 AM	Calidrid Sandpiper	50	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Northern Pintail	1	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Glaucous/Glaucous-winged Gull	2	Resting	Water	Distant
9 /3 /2009	ST8	10:55:00 AM	Glaucous-winged Gull	2	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Mew Gull	4	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Swan (unidentified)	6	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Goose (unidentified)	21	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Goose (unidentified)	116	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Savannah Sparrow	18	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Yellowlegs (unidentified)	15	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Calidrid Sandpiper	95	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Dunlin	35	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Goose (unidentified)	243	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	55	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Red-throated Loon	1	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	60	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
9 /3 /2009	ST8	10:55:00 AM	Loon (unidentified)	2	Traveling	Air	Far Distant
9 /3 /2009	ST8	10:55:00 AM	Dowitcher (unidentified)	34	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Glaucous Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /3 /2009	ST8	10:55:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
9 /3 /2009	ST8	10:55:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /3 /2009	ST8	10:55:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Canada Goose	10	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Parasitic Jaeger	2	Traveling	Air	Far Distant
9 /3 /2009	ST8	10:55:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Swan (unidentified)	3	Traveling	Air	Very Far Distant
9 /3 /2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	250	Traveling	Air	Distant
9 /3 /2009	ST8	10:55:00 AM	Dowitcher (unidentified)	10	Traveling	Air	Distant
9 /3 /2009	ST8	10:55:00 AM	Red-necked Phalarope	6	Traveling	Air	Near
9 /3 /2009	ST8	10:55:00 AM	Bar-tailed Godwit	7	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Ptarmigan (unidentified)	7	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Savannah Sparrow	1	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Ptarmigan (unidentified)	25	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Passerine (unidentified)	2	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Ptarmigan (unidentified)	20	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Calidrid Sandpiper	36	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Mew Gull	1	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Human	4	Traveling	Water	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
9 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	3	Traveling	Air	Far Distant
9 /3 /2009	ST9	12:10:00 PM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Goose (unidentified)	75	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Canada Goose	7	Traveling	Air	Far Distant
9 /3 /2009	ST9	12:10:00 PM	Calidrid Sandpiper	20	Traveling	Air	Far Distant
9 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Ptarmigan (unidentified)	210	Traveling	Air	Far Distant
9 /3 /2009	ST9	12:10:00 PM	Canada Goose	4	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Northern Pintail	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /3 /2009	ST9	12:10:00 PM	Canada Goose	1	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Common Loon	2	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Northern Harrier	2	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Greater White-fronted Goose	2	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Northern Harrier	2	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Ptarmigan (unidentified)	10	Resting	Land	Near
9 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /3 /2009	ST9	12:10:00 PM	Duck (unidentified)	1	Traveling	Air	Far Distant
9 /3 /2009	ST9	12:10:00 PM	Greater White-fronted Goose	10	Traveling	Air	Distant
9 /3 /2009	ST9	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /3 /2009	ST9	12:10:00 PM	Canada Goose	21	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /3 /2009	ST9	12:10:00 PM	Calidrid Sandpiper	25	Traveling	Air	Far Distant
9 /4 /2009	ST1	12:55:00 PM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Canada Goose	1	Traveling	Air	Near
9 /4 /2009	ST1	12:55:00 PM	Mew Gull	9	Resting	Sandbar	Far Distant
9 /4 /2009	ST1	12:55:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Mew Gull	3	Resting	Water	Distant
9 /4 /2009	ST1	12:55:00 PM	Mew Gull	3	Resting	Sandbar	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	29	Resting	Sandbar	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Northern Pintail	1	Traveling	Air	Distant
9 /4 /2009	ST1	12:55:00 PM	Northern Pintail	3	Traveling	Air	Near
9 /4 /2009	ST1	12:55:00 PM	Scoter (unidentified)	11	Resting	Water	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Common Raven	1	Feeding	Land	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Common Raven	4	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Canada Goose	20	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Mew Gull	1	Resting	Sandbar	Distant
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /4 /2009	ST1	12:55:00 PM	Glaucous Gull	2	Resting	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Shorebird (unidentified)	4	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /4 /2009	ST1	12:55:00 PM	Common Raven	2	Traveling	Air	Far Distant
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Mew Gull	2	Resting	Water	Far Distant
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Human	6	Traveling	Water	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Human	1	Traveling	Water	Near
9 /4 /2009	ST1	12:55:00 PM	Gull (unidentified)	11	Resting	Land	Very Far Distant
9 /4 /2009	ST1	12:55:00 PM	Northern Harrier	1	Traveling	Air	Distant
9 /4 /2009	ST1	12:55:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Savannah Sparrow	1	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Yellow Warbler	1	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Gull (unidentified)	34	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Glaucous Gull	6	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	11	Resting	Sandbar	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Yellow Warbler	6	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	1	Traveling	Air	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Glaucous Gull	4	Resting	Sandbar	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Plover (unidentified)	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	2	Resting	Water	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Gull (unidentified)	10	Resting	Land	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Plover (unidentified)	1	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	10	Resting	Sandbar	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	1	Resting	Water	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Gull (unidentified)	5	Resting	Land	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	2	Traveling	Air	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Human	2	Traveling	Water	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	3	Traveling	Air	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Canada Goose	22	Traveling	Air	Distant
9 /4 /2009	ST6	11:28:00 AM	Ptarmigan (unidentified)	8	Traveling	Air	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Harlequin Duck	1	Feeding	Water	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Redpoll (unidentified)	16	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	2	Traveling	Air	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Black-bellied Plover	1	Traveling	Air	Distant
9 /4 /2009	ST6	11:28:00 AM	Waterfowl (unidentified)	6	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Mew Gull	1	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Sandhill Crane	7	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Human	2	Traveling	Water	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Golden-Plover (unidentified)	5	Feeding	Sandbar	Far Distant
9 /4 /2009	ST6	11:28:00 AM	Greater White-fronted Goose	4	Traveling	Air	Very Far Distant
9 /4 /2009	ST6	11:28:00 AM	Redpoll (unidentified)	14	Traveling	Air	Near
9 /4 /2009	ST6	11:28:00 AM	Goose (unidentified)	20	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Goose (unidentified)	7	Feeding	Sandbar	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /4 /2009	ST7	09:45:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Ptarmigan (unidentified)	6	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Dowitcher (unidentified)	16	Traveling	Air	Distant
9 /4 /2009	ST7	09:45:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Glaucous-winged Gull	1	Feeding	Water	Near
9 /4 /2009	ST7	09:45:00 AM	Glaucous Gull	1	Resting	Water	Distant
9 /4 /2009	ST7	09:45:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Gull (unidentified)	4	Resting	Land	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Canada Goose	9	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /4 /2009	ST7	09:45:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Gull (unidentified)	2	Resting	Sandbar	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Greater White-fronted Goose	3	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Goose (unidentified)	32	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	90	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Canada Goose	21	Feeding	Sandbar	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	281	Feeding	Sandbar	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Duck (unidentified)	6	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	6	Feeding	Sandbar	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Human	1	Subsist	Water	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Greater Scaup	5	Traveling	Air	Distant
9 /4 /2009	ST7	09:45:00 AM	Green-winged Teal	4	Traveling	Air	Distant
9 /4 /2009	ST7	09:45:00 AM	Glaucous Gull	1	Resting	Water	Near
9 /4 /2009	ST7	09:45:00 AM	Gull (unidentified)	4	Resting	Sandbar	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	12	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Canada Goose	4	Traveling	Air	Distant
9 /4 /2009	ST7	09:45:00 AM	Greater White-fronted Goose	4	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Duck (unidentified)	10	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Glaucous/Glaucous-winged Gull	5	Resting	Water	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Calidrid Sandpiper	17	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Pacific Loon	1	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /4 /2009	ST7	09:45:00 AM	Waterfowl (unidentified)	8	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Swan (unidentified)	1	Resting	Sandbar	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Common Raven	1	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	40	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Common Raven	1	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /4 /2009	ST7	09:45:00 AM	Mew Gull	5	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Ptarmigan (unidentified)	7	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Savannah Sparrow	1	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Plover (?)	2	Traveling	Air	Near
9 /4 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	25	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Shorebird (unidentified)	15	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Swan (unidentified)	2	Resting	Land	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Ptarmigan (unidentified)	14	Traveling	Air	Far Distant
9 /4 /2009	ST7	09:45:00 AM	Ptarmigan (unidentified)	60	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Goose (unidentified)	30	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Northern Harrier	2	Traveling	Air	Distant
9 /4 /2009	ST7	09:45:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
9 /4 /2009	ST7	09:45:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	1	Resting	Sandbar	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Gull (unidentified)	5	Resting	Sandbar	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	1	Resting	Sandbar	Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	8	Resting	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	5	Resting	Sandbar	Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	5	Traveling	Air	Distant
9 /7 /2009	ST1	12:49:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Savannah Sparrow	3	Traveling	Air	Near
9 /7 /2009	ST1	12:49:00 PM	Plover (unidentified)	1	Resting	Sandbar	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Common Raven	4	Resting	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Human	4	Subsist	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	9	Resting	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	2	Traveling	Air	Near
9 /7 /2009	ST1	12:49:00 PM	Human	11	Traveling	Water	Near
9 /7 /2009	ST1	12:49:00 PM	Shorebird (unidentified)	18	Resting	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /7 /2009	ST1	12:49:00 PM	Gull (unidentified)	6	Resting	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /7 /2009	ST1	12:49:00 PM	Common Raven	7	Feeding	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	2	Traveling	Air	Distant
9 /7 /2009	ST1	12:49:00 PM	Human	3	Traveling	Water	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Yellow Warbler	4	Traveling	Air	Near
9 /7 /2009	ST1	12:49:00 PM	Ptarmigan (unidentified)	8	Traveling	Air	Near
9 /7 /2009	ST1	12:49:00 PM	Canada Goose	24	Traveling	Air	Distant
9 /7 /2009	ST1	12:49:00 PM	Canada Goose	15	Feeding	Sandbar	Far Distant
9 /7 /2009	ST1	12:49:00 PM	Canada Goose	15	Traveling	Air	Far Distant
9 /7 /2009	ST1	12:49:00 PM	Mew Gull	2	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Gull (unidentified)	3	Resting	Water	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Canada Goose	4	Feeding	Land	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST1	12:49:00 PM	Glaucous Gull	1	Resting	Land	Far Distant
9 /7 /2009	ST1	12:49:00 PM	Northern Harrier	1	Traveling	Air	Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	1	Resting	Land	Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	1	Resting	Sandbar	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	4	Resting	Sandbar	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	8	Resting	Sandbar	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Savannah Sparrow	2	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Ptarmigan (unidentified)	50	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	4	Resting	Land	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	1	Resting	Land	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	2	Traveling	Air	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	3	Resting	Sandbar	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	1	Resting	Water	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Gull (unidentified)	8	Resting	Sandbar	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Pacific Loon	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Redpoll (unidentified)	11	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Savannah Sparrow	2	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Redpoll (unidentified)	2	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Gull (unidentified)	6	Resting	Land	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	2	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	2	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Redpoll (unidentified)	6	Resting	Land	Near
9 /7 /2009	ST6	11:14:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Goose (unidentified)	20	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	2	Resting	Sandbar	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	4	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Golden-Plover (unidentified)	1	Feeding	Sandbar	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	2	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Golden-Plover (unidentified)	4	Traveling	Air	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	1	Traveling	Air	Near
9 /7 /2009	ST6	11:14:00 AM	Mew Gull	2	Feeding	Water	Far Distant
9 /7 /2009	ST6	11:14:00 AM	Pacific Loon	1	Traveling	Air	Distant
9 /7 /2009	ST6	11:14:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Northern Harrier	3	Traveling	Air	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Glaucous Gull	1	Resting	Water	Distant
9 /8 /2009	ST1	02:43:00 PM	Human	4	Traveling	Water	Near
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	2	Resting	Land	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	2	Resting	Water	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	2	Traveling	Air	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	7	Resting	Water	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Glaucous Gull	1	Resting	Sandbar	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Pacific Loon	1	Traveling	Air	Distant
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	1	Traveling	Air	Distant
9 /8 /2009	ST1	02:43:00 PM	Glaucous Gull	1	Resting	Sandbar	Distant
9 /8 /2009	ST1	02:43:00 PM	Goose (unidentified)	15	Traveling	Air	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Human	4	Traveling	Water	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Glaucous Gull	3	Resting	Land	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Goose (unidentified)	10	Traveling	Air	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	1	Resting	Water	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Canada Goose	4	Feeding	Land	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Human	4	Traveling	Water	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Common Raven	2	Traveling	Air	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Human	1	Traveling	Water	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Canada Goose	4	Traveling	Air	Far Distant
9 /8 /2009	ST1	02:43:00 PM	Northern Wheatear	1	Traveling	Air	Near
9 /8 /2009	ST1	02:43:00 PM	Common Raven	1	Resting	Land	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Common Raven	1	Resting	Land	Very Far Distant
9 /8 /2009	ST1	02:43:00 PM	Mallard	2	Traveling	Air	Near
9 /8 /2009	ST1	02:43:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	1	Traveling	Air	Distant
9 /8 /2009	ST6	01:12:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	7	Resting	Sandbar	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	2	Resting	Sandbar	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Savannah Sparrow	4	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	6	Traveling	Air	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	2	Resting	Sandbar	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Common Loon	2	Feeding	Water	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	1	Resting	Sandbar	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	1	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Human	2	Traveling	Water	Near
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	12	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Northern Harrier	2	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	3	Resting	Sandbar	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	3	Traveling	Air	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	1	Traveling	Air	Near
9 /8 /2009	ST6	01:12:00 PM	Tundra Swan	3	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Redpoll (unidentified)	13	Traveling	Air	Near
9 /8 /2009	ST6	01:12:00 PM	Black Scoter	1	Traveling	Air	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Plover (unidentified)	3	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Goose (unidentified)	17	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	1	Traveling	Air	Distant
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	8	Resting	Land	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Redpoll (unidentified)	9	Traveling	Air	Near
9 /8 /2009	ST6	01:12:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /8 /2009	ST6	01:12:00 PM	Tundra Swan	2	Traveling	Air	Distant
9 /8 /2009	ST6	01:12:00 PM	Ptarmigan (unidentified)	200	Traveling	Air	Very Far Distant
9 /8 /2009	ST6	01:12:00 PM	Canada Goose	7	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Savannah Sparrow	2	Traveling	Air	Near
9 /9 /2009	ST1	02:26:00 PM	Savannah Sparrow	1	Traveling	Air	Near
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	4	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /9 /2009	ST1	02:26:00 PM	Human	2	Traveling	Water	Near
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	8	Resting	Sandbar	Far Distant
9 /9 /2009	ST1	02:26:00 PM	Greater White-fronted Goose	4	Feeding	Sandbar	Far Distant
9 /9 /2009	ST1	02:26:00 PM	Human	2	Subsist	Land	Far Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	2	Traveling	Air	Far Distant
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Glaucous Gull	1	Resting	Sandbar	Far Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	1	Resting	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Goose (unidentified)	12	Feeding	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	1	Resting	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Duck (unidentified)	7	Feeding	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Common Raven	1	Traveling	Air	Distant
9 /9 /2009	ST1	02:26:00 PM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Glaucous Gull	4	Resting	Sandbar	Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	1	Resting	Water	Far Distant
9 /9 /2009	ST1	02:26:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /9 /2009	ST1	02:26:00 PM	Ptarmigan (unidentified)	100	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Human	2	Traveling	Water	Near
9 /9 /2009	ST1	02:26:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	1	Traveling	Air	Distant
9 /9 /2009	ST1	02:26:00 PM	Canada Goose	1	Traveling	Air	Distant
9 /9 /2009	ST1	02:26:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /9 /2009	ST1	02:26:00 PM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Canada Goose	2	Traveling	Air	Distant
9 /9 /2009	ST1	02:26:00 PM	Glaucous Gull	1	Resting	Sandbar	Far Distant
9 /9 /2009	ST1	02:26:00 PM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Northern Pintail	1	Traveling	Air	Distant
9 /9 /2009	ST1	02:26:00 PM	Canada Goose	6	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	8	Resting	Sandbar	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Goose (unidentified)	8	Traveling	Air	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
9 /9 /2009	ST1	02:26:00 PM	Goose (unidentified)	26	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Goose (unidentified)	22	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	16	Resting	Sandbar	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Northern Harrier	2	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	11	Resting	Water	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /9 /2009	ST6	12:47:00 PM	Canada Goose	20	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Pacific Loon	1	Traveling	Air	Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Canada Goose	10	Traveling	Air	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Glaucous Gull	1	Resting	Sandbar	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	2	Resting	Sandbar	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Glaucous Gull	3	Resting	Sandbar	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	1	Traveling	Air	Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	4	Traveling	Air	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	3	Traveling	Air	Distant
9 /9 /2009	ST6	12:47:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	2	Resting	Land	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Gull (unidentified)	25	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Goose (unidentified)	47	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	1	Traveling	Air	Near
9 /9 /2009	ST6	12:47:00 PM	Short-eared Owl	1	Traveling	Air	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /9 /2009	ST6	12:47:00 PM	Ptarmigan (unidentified)	100	Traveling	Air	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /9 /2009	ST6	12:47:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	1	Traveling	Air	Near
9 /9 /2009	ST6	12:47:00 PM	Redpoll (unidentified)	3	Traveling	Air	Near
9 /9 /2009	ST6	12:47:00 PM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
9 /9 /2009	ST6	12:47:00 PM	Human	3	Traveling	Water	Near
9 /9 /2009	ST6	12:47:00 PM	Mew Gull	3	Traveling	Air	Near
9 /10/2009	ST1	12:32:00 PM	Northern Harrier	3	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Sandpiper (unidentified)	20	Traveling	Air	Near
9 /10/2009	ST1	12:32:00 PM	Glaucous Gull	5	Resting	Sandbar	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Goose (unidentified)	62	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	3	Resting	Water	Far Distant
9 /10/2009	ST1	12:32:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /10/2009	ST1	12:32:00 PM	Human	1	Traveling	Water	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Common Raven	1	Resting	Land	Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	12	Resting	Sandbar	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	20	Resting	Sandbar	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Redpoll (unidentified)	2	Traveling	Air	Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	2	Resting	Water	Distant
9 /10/2009	ST1	12:32:00 PM	Glaucous Gull	4	Resting	Sandbar	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	4	Resting	Water	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	9	Traveling	Air	Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	2	Resting	Land	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Shorebird (unidentified)	4	Resting	Sandbar	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Black-bellied Plover	3	Feeding	Sandbar	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Scaup (unidentified)	1	Traveling	Air	Near
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /10/2009	ST1	12:32:00 PM	Common Raven	1	Traveling	Air	Far Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	1	Traveling	Air	Near
9 /10/2009	ST1	12:32:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Human	5	Traveling	Water	Near
9 /10/2009	ST1	12:32:00 PM	Goose (unidentified)	33	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Sandhill Crane	50	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Canada Goose	20	Feeding	Sandbar	Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Human	2	Subsist	Water	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	2	Traveling	Air	Near
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Sandhill Crane	60	Traveling	Air	Very Far Distant
9 /10/2009	ST1	12:32:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /10/2009	ST1	12:32:00 PM	Mew Gull	5	Traveling	Air	Near
9 /10/2009	ST6	11:07:00 AM	Human	2	Traveling	Water	Near
9 /10/2009	ST6	11:07:00 AM	Redpoll (unidentified)	4	Traveling	Air	Near
9 /10/2009	ST6	11:07:00 AM	Human	2	Traveling	Water	Near
9 /10/2009	ST6	11:07:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Duck (unidentified)	15	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Mew Gull	8	Resting	Sandbar	Far Distant
9 /10/2009	ST6	11:07:00 AM	Human	2	Traveling	Water	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Canada Goose	16	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Redpoll (unidentified)	8	Traveling	Air	Near
9 /10/2009	ST6	11:07:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
9 /10/2009	ST6	11:07:00 AM	Scaup (unidentified)	1	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Greater White-fronted Goose	5	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Mew Gull	1	Traveling	Air	Far Distant
9 /10/2009	ST6	11:07:00 AM	Glaucous Gull	1	Resting	Water	Far Distant
9 /10/2009	ST6	11:07:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Mew Gull	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /10/2009	ST6	11:07:00 AM	Redpoll (unidentified)	53	Traveling	Air	Near
9 /10/2009	ST6	11:07:00 AM	Human	2	Traveling	Water	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Glaucous Gull	1	Resting	Water	Far Distant
9 /10/2009	ST6	11:07:00 AM	Mew Gull	10	Resting	Water	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Human	2	Traveling	Water	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Tundra Swan	2	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Black-capped Chickadee	4	Traveling	Air	Near
9 /10/2009	ST6	11:07:00 AM	Mew Gull	1	Traveling	Air	Near
9 /10/2009	ST6	11:07:00 AM	Canada Goose	50	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	White-winged Scoter	4	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
9 /10/2009	ST6	11:07:00 AM	Goose (unidentified)	24	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /10/2009	ST6	11:07:00 AM	Goose (unidentified)	72	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
9 /10/2009	ST6	11:07:00 AM	Human	2	Traveling	Water	Near
9 /11/2009	ST7	09:35:00 AM	Northern Pintail	1	Traveling	Air	Near
9 /11/2009	ST7	09:35:00 AM	Harbor/Spotted Seal	1	Traveling	Water	Near
9 /11/2009	ST7	09:35:00 AM	Shorebird (unidentified)	20	Traveling	Air	Distant
9 /11/2009	ST7	09:35:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
9 /11/2009	ST7	09:35:00 AM	Goose (unidentified)	9	Traveling	Air	Distant
9 /11/2009	ST7	09:35:00 AM	Human	1	Traveling	Water	Far Distant
9 /11/2009	ST7	09:35:00 AM	Loon (unidentified)	1	Traveling	Air	Near
9 /11/2009	ST7	09:35:00 AM	Common Raven	4	Traveling	Air	Near
9 /11/2009	ST7	09:35:00 AM	Canada Goose	12	Traveling	Air	Near
9 /11/2009	ST7	09:35:00 AM	Shorebird (unidentified)	2	Traveling	Air	Near
9 /11/2009	ST7	09:35:00 AM	Dunlin	10	Traveling	Air	Near
9 /11/2009	ST7	09:35:00 AM	Gull (unidentified)	2	Traveling	Air	Distant
9 /11/2009	ST7	09:35:00 AM	Duck (unidentified)	3	Traveling	Air	Distant
9 /13/2009	ST7	12:10:00 PM	Northern Pintail	3	Traveling	Air	Far Distant
9 /13/2009	ST7	12:10:00 PM	Fox (unidentified)	1	Traveling	Land	Near
9 /13/2009	ST7	12:10:00 PM	Human	4	Traveling	Water	Near
9 /13/2009	ST7	12:10:00 PM	Canada Goose	54	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /13/2009	ST7	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /13/2009	ST7	12:10:00 PM	Gull (unidentified)	8	Resting	Sandbar	Far Distant
9 /13/2009	ST7	12:10:00 PM	Goose (unidentified)	28	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Canada Goose	5	Traveling	Air	Near
9 /13/2009	ST7	12:10:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Green-winged Teal	1	Traveling	Air	Far Distant
9 /13/2009	ST7	12:10:00 PM	Northern Pintail	3	Traveling	Air	Far Distant
9 /13/2009	ST7	12:10:00 PM	Mew Gull	1	Traveling	Air	Distant
9 /13/2009	ST7	12:10:00 PM	Sandhill Crane	22	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Gull (unidentified)	3	Resting	Land	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Swan (unidentified)	1	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Glaucous Gull	2	Traveling	Air	Distant
9 /13/2009	ST7	12:10:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Mew Gull	2	Traveling	Air	Far Distant
9 /13/2009	ST7	12:10:00 PM	Gull (unidentified)	8	Resting	Sandbar	Very Far Distant
9 /13/2009	ST7	12:10:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
9 /13/2009	ST7	12:10:00 PM	Tundra Swan	2	Traveling	Air	Distant
9 /13/2009	ST7	12:10:00 PM	Canada Goose	2	Traveling	Air	Far Distant
9 /13/2009	ST7	12:10:00 PM	Canada Goose	2	Feeding	Sandbar	Far Distant
9 /13/2009	ST7	12:10:00 PM	Waterfowl (unidentified)	10	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Waterfowl (unidentified)	8	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	128	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Mallard	1	Feeding	Water	Distant
9 /13/2009	ST8	10:55:00 AM	Glaucous Gull	3	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Greater White-fronted Goose	3	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Goose (unidentified)	73	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Hawk (unidentified)	1	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Green-winged Teal	5	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /13/2009	ST8	10:55:00 AM	Merlin	1	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Dowitcher (unidentified)	15	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Green-winged Teal	7	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Glaucous Gull	3	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	1	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Gull (unidentified)	14	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Pacific Loon	1	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Wilson's (Common) Snipe	3	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Common Raven	1	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Common Raven	1	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Northern Pintail	6	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	2	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Mew Gull	2	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Mallard	6	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Gull (unidentified)	22	Resting	Sandbar	Distant
9 /13/2009	ST8	10:55:00 AM	Northern Pintail	1	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Glaucous Gull	2	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Green-winged Teal	27	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Green-winged Teal	4	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	94	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Goose (unidentified)	228	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Goose (unidentified)	15	Traveling	Air	Far Distant
9 /13/2009	ST8	10:55:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Swan (unidentified)	10	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Swan (unidentified)	1	Resting	Land	Very Far Distant
9 /13/2009	ST8	10:55:00 AM	Glaucous Gull	1	Resting	Water	Near
9 /13/2009	ST8	10:55:00 AM	Glaucous-winged Gull	1	Resting	Water	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /13/2009	ST8	10:55:00 AM	Common Raven	1	Resting	Land	Near
9 /13/2009	ST8	10:55:00 AM	Ptarmigan (unidentified)	65	Traveling	Air	Far Distant
9 /13/2009	ST8	10:55:00 AM	Canada Goose	1	Traveling	Air	Distant
9 /13/2009	ST8	10:55:00 AM	Golden-Plover (unidentified)	2	Traveling	Air	Near
9 /13/2009	ST8	10:55:00 AM	Plover (unidentified)	2	Feeding	Sandbar	Distant
9 /13/2009	ST9	09:40:00 AM	Mew Gull	1	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Duck (unidentified)	9	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Goose (unidentified)	37	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Gull (unidentified)	5	Resting	Land	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Canada Goose	17	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Northern Harrier	1	Resting	Land	Near
9 /13/2009	ST9	09:40:00 AM	Tundra Swan	4	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Lapland Longspur	1	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	32	Resting	Land	Distant
9 /13/2009	ST9	09:40:00 AM	American Wigeon	5	Feeding	Water	Distant
9 /13/2009	ST9	09:40:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
9 /13/2009	ST9	09:40:00 AM	Canada Goose	10	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	3	Resting	Land	Near
9 /13/2009	ST9	09:40:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Common Raven	1	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	375	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Goose (unidentified)	4	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	86	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Green-winged Teal	20	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /13/2009	ST9	09:40:00 AM	Common Raven	1	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Calidrid Sandpiper	10	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Gull (unidentified)	1	Resting	Land	Distant
9 /13/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	503	Traveling	Air	Far Distant
9 /13/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /13/2009	ST9	09:40:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Shorebird (unidentified)	5	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Glaucous Gull	1	Feeding	Water	Distant
9 /13/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	10	Feeding	Land	Distant
9 /13/2009	ST9	09:40:00 AM	Wilson's (Common) Snipe	3	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Plover (?)	3	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Tundra Swan	1	Feeding	Water	Distant
9 /13/2009	ST9	09:40:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Tundra Swan	4	Traveling	Air	Far Distant
9 /13/2009	ST9	09:40:00 AM	Shorebird (unidentified)	2	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Greater Scaup	2	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Goose (unidentified)	12	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Northern Pintail	1	Traveling	Air	Far Distant
9 /13/2009	ST9	09:40:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Savannah Sparrow	16	Traveling	Air	Near
9 /13/2009	ST9	09:40:00 AM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
9 /13/2009	ST9	09:40:00 AM	Northern Pintail	4	Traveling	Air	Distant
9 /13/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	30	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mew Gull	12	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mammal (?)	1	Traveling	Water	Distant
9 /14/2009	ST1	02:40:00 PM	Human	5	Traveling	Water	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mew Gull	1	Resting	Water	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Ptarmigan (unidentified)	30	Traveling	Air	Far Distant
9 /14/2009	ST1	02:40:00 PM	Human	4	Traveling	Water	Far Distant
9 /14/2009	ST1	02:40:00 PM	Common Loon	2	Feeding	Water	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Canada Goose	5	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Goose (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /14/2009	ST1	02:40:00 PM	Mew Gull	2	Resting	Water	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Canada Goose	4	Feeding	Sandbar	Far Distant
9 /14/2009	ST1	02:40:00 PM	Tundra Swan	8	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mew Gull	57	Resting	Land	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mew Gull	3	Resting	Water	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Wigeon (unidentified)	1	Traveling	Air	Near
9 /14/2009	ST1	02:40:00 PM	Shorebird (unidentified)	4	Resting	Land	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mew Gull	2	Traveling	Air	Far Distant
9 /14/2009	ST1	02:40:00 PM	Glaucous Gull	14	Resting	Land	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mew Gull	11	Resting	Water	Far Distant
9 /14/2009	ST1	02:40:00 PM	Canada Goose	15	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Mew Gull	9	Traveling	Air	Near
9 /14/2009	ST1	02:40:00 PM	Mew Gull	1	Resting	Water	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Tundra Swan	116	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
9 /14/2009	ST1	02:40:00 PM	Ptarmigan (unidentified)	100	Traveling	Air	Distant
9 /14/2009	ST6	12:54:00 PM	Tundra Swan	4	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Redpoll (unidentified)	9	Traveling	Air	Near
9 /14/2009	ST6	12:54:00 PM	Human	2	Traveling	Water	Near
9 /14/2009	ST6	12:54:00 PM	Canada Goose	37	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Goose (unidentified)	15	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Common Raven	2	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Glaucous Gull	2	Resting	Land	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Tundra Swan	2	Traveling	Air	Distant
9 /14/2009	ST6	12:54:00 PM	Glaucous Gull	2	Resting	Water	Far Distant
9 /14/2009	ST6	12:54:00 PM	Rusty Blackbird	1	Traveling	Air	Near
9 /14/2009	ST6	12:54:00 PM	Shorebird (unidentified)	1	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /14/2009	ST6	12:54:00 PM	Black-capped Chickadee	12	Traveling	Air	Near
9 /14/2009	ST6	12:54:00 PM	Common Raven	4	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Waterfowl (unidentified)	1	Resting	Water	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Scaup (unidentified)	3	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Pacific Loon	2	Traveling	Air	Far Distant
9 /14/2009	ST6	12:54:00 PM	Glaucous Gull	6	Resting	Water	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Gull (unidentified)	9	Resting	Water	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Mew Gull	2	Resting	Water	Far Distant
9 /14/2009	ST6	12:54:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /14/2009	ST6	12:54:00 PM	Black-bellied Plover	10	Traveling	Air	Very Far Distant
9 /14/2009	ST6	12:54:00 PM	Mew Gull	4	Resting	Water	Very Far Distant
9 /14/2009	ST7	12:10:00 PM	Ptarmigan (unidentified)	17	Traveling	Air	Distant
9 /14/2009	ST7	12:10:00 PM	Gull (unidentified)	6	Resting	Sandbar	Very Far Distant
9 /14/2009	ST7	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /14/2009	ST7	12:10:00 PM	Glaucous-winged Gull	1	Resting	Water	Distant
9 /14/2009	ST7	12:10:00 PM	Canada Goose	11	Feeding	Sandbar	Far Distant
9 /14/2009	ST7	12:10:00 PM	Canada Goose	9	Traveling	Air	Far Distant
9 /14/2009	ST7	12:10:00 PM	Gull (unidentified)	3	Resting	Sandbar	Far Distant
9 /14/2009	ST7	12:10:00 PM	Canada Goose	1	Traveling	Air	Far Distant
9 /14/2009	ST7	12:10:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /14/2009	ST7	12:10:00 PM	Ptarmigan (unidentified)	9	Traveling	Air	Very Far Distant
9 /14/2009	ST7	12:10:00 PM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
9 /14/2009	ST7	12:10:00 PM	Ptarmigan (unidentified)	1	Resting	Water	Far Distant
9 /14/2009	ST7	12:10:00 PM	Canada Goose	15	Traveling	Air	Distant
9 /14/2009	ST7	12:10:00 PM	Canada Goose	1	Traveling	Air	Near
9 /14/2009	ST7	12:10:00 PM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
9 /14/2009	ST7	12:10:00 PM	Ptarmigan (unidentified)	44	Traveling	Air	Far Distant
9 /14/2009	ST7	12:10:00 PM	Glaucous Gull	2	Traveling	Air	Near
9 /14/2009	ST7	12:10:00 PM	Canada Goose	4	Traveling	Air	Near
9 /14/2009	ST7	12:10:00 PM	Greater Scaup	2	Traveling	Air	Distant
9 /14/2009	ST7	12:10:00 PM	Passerine (unidentified)	2	Traveling	Air	Near
9 /14/2009	ST7	12:10:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /14/2009	ST7	12:10:00 PM	Glaucous Gull	2	Traveling	Air	Distant
9 /14/2009	ST7	12:10:00 PM	Glaucous Gull	2	Resting	Water	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /14/2009	ST7	12:10:00 PM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
9 /14/2009	ST7	12:10:00 PM	Human	2	Traveling	Water	Near
9 /14/2009	ST8	10:50:00 AM	Human	2	Traveling	Water	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Swan (unidentified)	3	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Canada Goose	8	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Northern Pintail	1	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Common Raven	1	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Goose (unidentified)	56	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Tundra Swan	11	Traveling	Air	Far Distant
9 /14/2009	ST8	10:50:00 AM	Glaucous Gull	1	Resting	Water	Distant
9 /14/2009	ST8	10:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
9 /14/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	357	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Resting	Land	Far Distant
9 /14/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Gull (unidentified)	12	Resting	Land	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Resting	Water	Distant
9 /14/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	230	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Goose (unidentified)	15	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Savannah Sparrow	68	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Canada Goose	4	Traveling	Air	Far Distant
9 /14/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Far Distant
9 /14/2009	ST8	10:50:00 AM	Mew Gull	2	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	82	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Northern Pintail	1	Resting	Water	Near
9 /14/2009	ST8	10:50:00 AM	Common Raven	2	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Red-necked Phalarope	1	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	11	Resting	Sandbar	Far Distant
9 /14/2009	ST8	10:50:00 AM	Canada Goose	7	Feeding	Sandbar	Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /14/2009	ST8	10:50:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	120	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Northern Shoveler	1	Feeding	Water	Distant
9 /14/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	22	Traveling	Air	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Common Raven	1	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Human	1	Traveling	Water	Very Far Distant
9 /14/2009	ST8	10:50:00 AM	Savannah Sparrow	33	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Northern Harrier	2	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Glaucous-winged Gull	2	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Yellowlegs (unidentified)	4	Traveling	Air	Near
9 /14/2009	ST8	10:50:00 AM	Gull (unidentified)	3	Resting	Water	Far Distant
9 /14/2009	ST8	10:50:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
9 /14/2009	ST8	10:50:00 AM	Tundra Swan	6	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
9 /14/2009	ST8	10:50:00 AM	Mew Gull	1	Resting	Sandbar	Distant
9 /14/2009	ST8	10:50:00 AM	Lapland Longspur	1	Traveling	Air	Near
9 /14/2009	ST9	09:40:00 AM	Seal (unidentified)	1	Traveling	Water	Distant
9 /14/2009	ST9	09:40:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
9 /14/2009	ST9	09:40:00 AM	Gull (unidentified)	2	Resting	Water	Far Distant
9 /14/2009	ST9	09:40:00 AM	Greater Scaup	5	Traveling	Air	Near
9 /14/2009	ST9	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Distant
9 /14/2009	ST9	09:40:00 AM	Shorebird (unidentified)	45	Traveling	Air	Distant
9 /14/2009	ST9	09:40:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /14/2009	ST9	09:40:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /14/2009	ST9	09:40:00 AM	Canada Goose	10	Traveling	Air	Distant
9 /14/2009	ST9	09:40:00 AM	Loon (unidentified)	5	Traveling	Air	Far Distant
9 /14/2009	ST9	09:40:00 AM	Duck (unidentified)	2	Traveling	Air	Distant
9 /14/2009	ST9	09:40:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
9 /14/2009	ST9	09:40:00 AM	Waterfowl (unidentified)	10	Traveling	Air	Very Far Distant
9 /14/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	80	Traveling	Air	Very Far Distant
9 /14/2009	ST9	09:40:00 AM	Glaucous Gull	2	Traveling	Air	Near
9 /14/2009	ST9	09:40:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /14/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	183	Traveling	Air	Near
9 /14/2009	ST9	09:40:00 AM	Calidrid Sandpiper	18	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /14/2009	ST9	09:40:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /14/2009	ST9	09:40:00 AM	Greater White-fronted Goose	5	Traveling	Air	Far Distant
9 /14/2009	ST9	09:40:00 AM	Glaucous Gull	1	Resting	Land	Distant
9 /14/2009	ST9	09:40:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /14/2009	ST9	09:40:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /14/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	80	Traveling	Air	Distant
9 /14/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	54	Resting	Land	Distant
9 /14/2009	ST9	09:40:00 AM	Red-necked Phalarope	6	Traveling	Air	Near
9 /14/2009	ST9	09:40:00 AM	Savannah Sparrow	1	Traveling	Air	Near
9 /14/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	7	Traveling	Air	Far Distant
9 /14/2009	ST9	09:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Glaucous Gull	11	Resting	Sandbar	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Mew Gull	1	Traveling	Air	Far Distant
9 /15/2009	ST1	11:50:00 AM	Glaucous Gull	2	Resting	Sandbar	Far Distant
9 /15/2009	ST1	11:50:00 AM	Willow Ptarmigan	61	Traveling	Air	Near
9 /15/2009	ST1	11:50:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /15/2009	ST1	11:50:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
9 /15/2009	ST1	11:50:00 AM	Northern Goshawk	1	Traveling	Air	Far Distant
9 /15/2009	ST1	11:50:00 AM	Shorebird (unidentified)	6	Traveling	Air	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Human	2	Subsist	Land	Far Distant
9 /15/2009	ST1	11:50:00 AM	Glaucous Gull	4	Resting	Water	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Glaucous Gull	2	Traveling	Air	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Glaucous Gull	10	Resting	Water	Very Far Distant
9 /15/2009	ST1	11:50:00 AM	Willow Ptarmigan	90	Traveling	Air	Distant
9 /15/2009	ST6	10:21:00 AM	Loon (unidentified)	2	Traveling	Air	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Redpoll (unidentified)	30	Traveling	Air	Near
9 /15/2009	ST6	10:21:00 AM	Glaucous Gull	1	Resting	Water	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Willow Ptarmigan	5	Traveling	Air	Far Distant
9 /15/2009	ST6	10:21:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Common Raven	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /15/2009	ST6	10:21:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
9 /15/2009	ST6	10:21:00 AM	Passerine (unidentified)	3	Traveling	Air	Near
9 /15/2009	ST6	10:21:00 AM	Willow Ptarmigan	1	Traveling	Air	Far Distant
9 /15/2009	ST6	10:21:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Glaucous Gull	1	Resting	Water	Near
9 /15/2009	ST6	10:21:00 AM	Redpoll (unidentified)	40	Traveling	Air	Distant
9 /15/2009	ST6	10:21:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	Goose (unidentified)	14	Traveling	Air	Very Far Distant
9 /15/2009	ST6	10:21:00 AM	American Tree Sparrow	1	Resting	Land	Near
9 /15/2009	ST6	10:21:00 AM	Black-capped Chickadee	1	Resting	Land	Near
9 /15/2009	ST6	10:21:00 AM	Plover (genus Pluvialis)	1	Feeding	Air	Far Distant
9 /15/2009	ST6	10:21:00 AM	Plover (genus Pluvialis)	3	Traveling	Air	Far Distant
9 /15/2009	ST6	10:21:00 AM	Shorebird (unidentified)	5	Traveling	Air	Far Distant
9 /15/2009	ST6	10:21:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Gull (unidentified)	2	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Gull (unidentified)	4	Resting	Land	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /15/2009	ST7	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Northern Harrier	1	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Canada Goose	3	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Ptarmigan (unidentified)	74	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Ptarmigan (unidentified)	4	Traveling	Air	Distant
9 /15/2009	ST7	12:00:00 PM	Duck (unidentified)	3	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Shorebird (unidentified)	4	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Pacific Loon	1	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Glaucous Gull	1	Traveling	Air	Distant
9 /15/2009	ST7	12:00:00 PM	Canada Goose	11	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Ptarmigan (unidentified)	50	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Mew Gull	2	Traveling	Air	Near
9 /15/2009	ST7	12:00:00 PM	Gull (unidentified)	9	Resting	Land	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /15/2009	ST7	12:00:00 PM	Ptarmigan (unidentified)	70	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Ptarmigan (unidentified)	7	Traveling	Air	Far Distant
9 /15/2009	ST7	12:00:00 PM	Canada Goose	10	Resting	Land	Far Distant
9 /15/2009	ST7	12:00:00 PM	Canada Goose	12	Traveling	Air	Near
9 /15/2009	ST7	12:00:00 PM	Hawk (unidentified)	1	Traveling	Air	Distant
9 /15/2009	ST7	12:00:00 PM	Tundra Swan	3	Traveling	Air	Distant
9 /15/2009	ST7	12:00:00 PM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Goose (unidentified)	11	Traveling	Air	Very Far Distant
9 /15/2009	ST7	12:00:00 PM	Ptarmigan (unidentified)	150	Traveling	Air	Very Far Distant
9 /15/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
9 /15/2009	ST8	10:50:00 AM	Common Raven	1	Traveling	Air	Distant
9 /15/2009	ST8	10:50:00 AM	Glaucous Gull	2	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Calidrid Sandpiper	3	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /15/2009	ST8	10:50:00 AM	Mew Gull	1	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Green-winged Teal	13	Traveling	Air	Distant
9 /15/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	18	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /15/2009	ST8	10:50:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Mew Gull	4	Traveling	Air	Distant
9 /15/2009	ST8	10:50:00 AM	Green-winged Teal	7	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	9	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Human	2	Traveling	Water	Distant
9 /15/2009	ST8	10:50:00 AM	Mallard	2	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Shorebird (unidentified)	4	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Plover (?)	12	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Golden-Plover (unidentified)	2	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Green-winged Teal	3	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Mallard	2	Traveling	Air	Distant
9 /15/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	19	Traveling	Air	Near
9 /15/2009	ST8	10:50:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /15/2009	ST9	09:40:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Tundra Swan	21	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Canada Goose	45	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Mew Gull	3	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Grebe (unidentified)	2	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Shorebird (unidentified)	9	Traveling	Air	Far Distant
9 /15/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	215	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Green-winged Teal	7	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Goose (unidentified)	10	Traveling	Air	Far Distant
9 /15/2009	ST9	09:40:00 AM	Glaucous Gull	2	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Calidrid Sandpiper	19	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Shorebird (unidentified)	1	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Wilson's (Common) Snipe	7	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Wilson's (Common) Snipe	9	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Gull (unidentified)	2	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Pacific Loon	1	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Black Scoter	1	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Greater White-fronted Goose	9	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	270	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Common Raven	1	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Land	Distant
9 /15/2009	ST9	09:40:00 AM	Ptarmigan (unidentified)	135	Traveling	Air	Distant
9 /15/2009	ST9	09:40:00 AM	Green-winged Teal	12	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Shorebird (unidentified)	4	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Waterfowl (unidentified)	25	Traveling	Air	Very Far Distant
9 /15/2009	ST9	09:40:00 AM	Surf Scoter	7	Traveling	Air	Near
9 /15/2009	ST9	09:40:00 AM	Plover (unidentified)	2	Traveling	Air	Near
9 /16/2009	ST6	11:21:00 AM	Redpoll (unidentified)	1	Traveling	Air	Near
9 /16/2009	ST6	11:21:00 AM	Goose (unidentified)	23	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /16/2009	ST6	11:21:00 AM	Common Raven	4	Resting	Land	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Willow Ptarmigan	40	Traveling	Air	Far Distant
9 /16/2009	ST6	11:21:00 AM	Goose (unidentified)	49	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Human	8	Traveling	Water	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Swan (unidentified)	3	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Goose (unidentified)	142	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Mew Gull	1	Traveling	Air	Far Distant
9 /16/2009	ST6	11:21:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Human	2	Traveling	Water	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Goose (unidentified)	100	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Mew Gull	1	Traveling	Air	Near
9 /16/2009	ST6	11:21:00 AM	Goose (unidentified)	9	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Passerine (unidentified)	2	Traveling	Air	Distant
9 /16/2009	ST6	11:21:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Gull (unidentified)	2	Resting	Water	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	American Tree Sparrow	2	Resting	Land	Near
9 /16/2009	ST6	11:21:00 AM	Glaucous Gull	1	Resting	Water	Distant
9 /16/2009	ST6	11:21:00 AM	Glaucous Gull	3	Traveling	Air	Far Distant
9 /16/2009	ST6	11:21:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /16/2009	ST6	11:21:00 AM	Glaucous Gull	1	Resting	Water	Distant
9 /17/2009	ST1	11:58:00 AM	Mew Gull	3	Resting	Water	Distant
9 /17/2009	ST1	11:58:00 AM	Goose (unidentified)	165	Traveling	Air	Far Distant
9 /17/2009	ST1	11:58:00 AM	Sandhill Crane	130	Traveling	Air	Far Distant
9 /17/2009	ST1	11:58:00 AM	Sandhill Crane	160	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Glaucous Gull	3	Resting	Sandbar	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Glaucous Gull	1	Resting	Sandbar	Distant
9 /17/2009	ST1	11:58:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /17/2009	ST1	11:58:00 AM	Glaucous Gull	2	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /17/2009	ST1	11:58:00 AM	Gull (unidentified)	14	Resting	Sandbar	Far Distant
9 /17/2009	ST1	11:58:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Mew Gull	3	Traveling	Air	Distant
9 /17/2009	ST1	11:58:00 AM	Sandhill Crane	240	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Sandhill Crane	20	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Waterfowl (unidentified)	322	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /17/2009	ST1	11:58:00 AM	Northern Pintail	1	Traveling	Air	Near
9 /17/2009	ST1	11:58:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Glaucous Gull	2	Traveling	Air	Far Distant
9 /17/2009	ST1	11:58:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Goose (unidentified)	20	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Human	1	Traveling	Water	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Goose (unidentified)	138	Traveling	Air	Very Far Distant
9 /17/2009	ST1	11:58:00 AM	Willow Ptarmigan	60	Traveling	Air	Far Distant
9 /17/2009	ST1	11:58:00 AM	Black Scoter	3	Traveling	Air	Far Distant
9 /17/2009	ST6	10:18:00 AM	Gull (unidentified)	12	Resting	Sandbar	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Goose (unidentified)	70	Traveling	Air	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Peregrine Falcon	1	Traveling	Air	Distant
9 /17/2009	ST6	10:18:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /17/2009	ST6	10:18:00 AM	Common Raven	1	Traveling	Air	Near
9 /17/2009	ST6	10:18:00 AM	Glaucous Gull	2	Resting	Sandbar	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Loon (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /17/2009	ST6	10:18:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Human	2	Resting	Water	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Goose (unidentified)	32	Traveling	Air	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Canada Goose	21	Traveling	Air	Near
9 /17/2009	ST6	10:18:00 AM	Redpoll (unidentified)	18	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /17/2009	ST6	10:18:00 AM	Shorebird (unidentified)	1	Traveling	Air	Distant
9 /17/2009	ST6	10:18:00 AM	Willow Ptarmigan	22	Traveling	Air	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Goose (unidentified)	8	Traveling	Air	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Goose (unidentified)	81	Traveling	Air	Very Far Distant
9 /17/2009	ST6	10:18:00 AM	Black-capped Chickadee	1	Resting	Land	Near
9 /17/2009	ST6	10:18:00 AM	Glaucous Gull	2	Resting	Sandbar	Far Distant
9 /17/2009	ST6	10:18:00 AM	Gull (unidentified)	1	Feeding	Sandbar	Far Distant
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Resting	Water	Far Distant
9 /17/2009	ST7	09:30:00 AM	Pacific Loon	1	Traveling	Air	Near
9 /17/2009	ST7	09:30:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Greater White-fronted Goose	2	Traveling	Air	Far Distant
9 /17/2009	ST7	09:30:00 AM	Mew Gull	1	Traveling	Air	Near
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	3	Resting	Land	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Golden-Plover (unidentified)	7	Traveling	Air	Near
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Traveling	Air	Far Distant
9 /17/2009	ST7	09:30:00 AM	Northern Harrier	2	Traveling	Air	Far Distant
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	4	Resting	Land	Far Distant
9 /17/2009	ST7	09:30:00 AM	Canada Goose	26	Traveling	Air	Far Distant
9 /17/2009	ST7	09:30:00 AM	Goose (unidentified)	26	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	2	Resting	Sandbar	Far Distant
9 /17/2009	ST7	09:30:00 AM	Tundra Swan	6	Traveling	Air	Distant
9 /17/2009	ST7	09:30:00 AM	Goose (unidentified)	12	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Green-winged Teal	3	Traveling	Air	Distant
9 /17/2009	ST7	09:30:00 AM	Duck (unidentified)	7	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /17/2009	ST7	09:30:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Ptarmigan (unidentified)	2	Traveling	Air	Near
9 /17/2009	ST7	09:30:00 AM	Shorebird (unidentified)	15	Traveling	Air	Far Distant
9 /17/2009	ST7	09:30:00 AM	Duck (unidentified)	2	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
9 /17/2009	ST7	09:30:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /17/2009	ST7	09:30:00 AM	Sanderling (?)	6	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /17/2009	ST7	09:30:00 AM	Golden-Plover (unidentified)	18	Traveling	Air	Near
9 /17/2009	ST7	09:30:00 AM	Black-billed Magpie	3	Resting	Land	Near
9 /17/2009	ST7	09:30:00 AM	Wilson's (Common) Snipe	6	Traveling	Air	Near
9 /17/2009	ST7	09:30:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Ptarmigan (unidentified)	1	Traveling	Air	Far Distant
9 /17/2009	ST7	09:30:00 AM	Canada Goose	2	Resting	Sandbar	Far Distant
9 /17/2009	ST7	09:30:00 AM	Waterfowl (unidentified)	7	Traveling	Air	Very Far Distant
9 /17/2009	ST7	09:30:00 AM	Canada Goose	5	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	360	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	1	Resting	Land	Near
9 /17/2009	ST8	10:50:00 AM	Mew Gull	1	Feeding	Air	Near
9 /17/2009	ST8	10:50:00 AM	Calidrid Sandpiper	14	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Glaucous Gull	8	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Duck (unidentified)	4	Traveling	Air	Far Distant
9 /17/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	6	Resting	Water	Distant
9 /17/2009	ST8	10:50:00 AM	Common Raven	1	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Green-winged Teal	1	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	50	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	26	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Green-winged Teal	3	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Common Raven	2	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	1	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Glaucous-winged Gull	2	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	85	Traveling	Air	Distant
9 /17/2009	ST8	10:50:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /17/2009	ST8	10:50:00 AM	Swan (unidentified)	7	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Goose (unidentified)	2	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	12	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Shorebird (unidentified)	6	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /17/2009	ST8	10:50:00 AM	Swan (unidentified)	2	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Goose (unidentified)	73	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Waterfowl (unidentified)	30	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Hawk (unidentified)	2	Traveling	Air	Very Far Distant
9 /17/2009	ST8	10:50:00 AM	Glaucous/Glaucous-winged Gull	6	Traveling	Air	Far Distant
9 /17/2009	ST8	10:50:00 AM	Glaucous Gull	1	Resting	Water	Near
9 /17/2009	ST8	10:50:00 AM	Ptarmigan (unidentified)	1	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Glaucous-winged Gull	1	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Glaucous/Glaucous-winged Gull	2	Resting	Water	Distant
9 /17/2009	ST9	12:00:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /17/2009	ST9	12:00:00 PM	Goose (unidentified)	21	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /17/2009	ST9	12:00:00 PM	Glaucous Gull	1	Resting	Water	Distant
9 /17/2009	ST9	12:00:00 PM	Hawk (unidentified)	1	Traveling	Air	Far Distant
9 /17/2009	ST9	12:00:00 PM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Sandhill Crane	22	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Long-tailed Duck	1	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Canada Goose	4	Traveling	Air	Far Distant
9 /17/2009	ST9	12:00:00 PM	Canada Goose	4	Traveling	Air	Distant
9 /17/2009	ST9	12:00:00 PM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Ptarmigan (unidentified)	101	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Glaucous Gull	3	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /17/2009	ST9	12:00:00 PM	Northern Harrier	1	Traveling	Air	Distant
9 /17/2009	ST9	12:00:00 PM	Duck (unidentified)	5	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Northern Goshawk	1	Traveling	Air	Distant
9 /17/2009	ST9	12:00:00 PM	Sandhill Crane	24	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Ptarmigan (unidentified)	80	Traveling	Air	Distant
9 /17/2009	ST9	12:00:00 PM	Ptarmigan (unidentified)	203	Resting	Land	Distant
9 /17/2009	ST9	12:00:00 PM	Ptarmigan (unidentified)	70	Traveling	Air	Far Distant
9 /17/2009	ST9	12:00:00 PM	Gull (unidentified)	5	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Sandhill Crane	28	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Hawk (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Sandhill Crane	40	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Glaucous-winged Gull	1	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Goose (unidentified)	31	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Common Raven	3	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Shorebird (unidentified)	2	Traveling	Air	Distant
9 /17/2009	ST9	12:00:00 PM	Mew Gull	1	Traveling	Air	Near
9 /17/2009	ST9	12:00:00 PM	Red-throated Loon (?)	1	Traveling	Air	Far Distant
9 /17/2009	ST9	12:00:00 PM	Common Raven	2	Traveling	Air	Distant
9 /17/2009	ST9	12:00:00 PM	Ptarmigan (unidentified)	300	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
9 /17/2009	ST9	12:00:00 PM	Bird (unidentified)	7	Traveling	Air	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Glaucous Gull	1	Resting	Water	Distant
9 /18/2009	ST1	12:52:00 PM	Mew Gull	22	Resting	Sandbar	Far Distant
9 /18/2009	ST1	12:52:00 PM	Human	5	Traveling	Water	Near
9 /18/2009	ST1	12:52:00 PM	Human	5	Traveling	Water	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Black Scoter	1	Traveling	Air	Distant
9 /18/2009	ST1	12:52:00 PM	Mew Gull	26	Resting	Sandbar	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Goose (unidentified)	18	Traveling	Air	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Mew Gull	4	Traveling	Air	Near
9 /18/2009	ST1	12:52:00 PM	Mew Gull	1	Resting	Water	Far Distant
9 /18/2009	ST1	12:52:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Glaucous Gull	3	Resting	Sandbar	Far Distant
9 /18/2009	ST1	12:52:00 PM	Mew Gull	1	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /18/2009	ST1	12:52:00 PM	Glaucous Gull	4	Traveling	Water	Far Distant
9 /18/2009	ST1	12:52:00 PM	Duck (unidentified)	8	Traveling	Air	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Green-winged Teal	2	Traveling	Air	Far Distant
9 /18/2009	ST1	12:52:00 PM	Ptarmigan (unidentified)	30	Traveling	Air	Near
9 /18/2009	ST1	12:52:00 PM	Canada Goose	100	Traveling	Air	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Human	1	Traveling	Water	Near
9 /18/2009	ST1	12:52:00 PM	Duck (unidentified)	12	Traveling	Air	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Harbor/Spotted Seal	1	Traveling	Water	Distant
9 /18/2009	ST1	12:52:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /18/2009	ST1	12:52:00 PM	Shorebird (unidentified)	6	Traveling	Air	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Canada Goose	16	Traveling	Air	Far Distant
9 /18/2009	ST1	12:52:00 PM	Canada Goose	25	Traveling	Air	Very Far Distant
9 /18/2009	ST1	12:52:00 PM	Mew Gull	1	Traveling	Air	Near
9 /18/2009	ST1	12:52:00 PM	Whiskered Auklet	1	Resting	Water	Distant
9 /18/2009	ST6	11:27:00 AM	Glaucous Gull	2	Resting	Land	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Mew Gull	32	Resting	Sandbar	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Glaucous Gull	2	Resting	Land	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Passerine (unidentified)	15	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Sandhill Crane	64	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Common Raven	2	Traveling	Air	Far Distant
9 /18/2009	ST6	11:27:00 AM	Glaucous Gull	2	Traveling	Sandbar	Far Distant
9 /18/2009	ST6	11:27:00 AM	Mew Gull	8	Resting	Sandbar	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Glaucous Gull	3	Resting	Land	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Rough-legged Hawk	1	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Mew Gull	11	Resting	Sandbar	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Glaucous Gull	2	Resting	Sandbar	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Ptarmigan (unidentified)	200	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Shorebird (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Redpoll (unidentified)	22	Traveling	Air	Near
9 /18/2009	ST6	11:27:00 AM	Gull (unidentified)	1	Resting	Water	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Human	3	Traveling	Water	Near
9 /18/2009	ST6	11:27:00 AM	Northern Harrier	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /18/2009	ST6	11:27:00 AM	Canada Goose	26	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
9 /18/2009	ST6	11:27:00 AM	Canada Goose	100	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /18/2009	ST6	11:27:00 AM	Redpoll (unidentified)	36	Traveling	Air	Near
9 /18/2009	ST6	11:27:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Tundra Swan	6	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
9 /18/2009	ST6	11:27:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Mew Gull	1	Traveling	Air	Very Far Distant
9 /18/2009	ST6	11:27:00 AM	Harlequin Duck	1	Traveling	Air	Far Distant
9 /18/2009	ST6	11:27:00 AM	Black-capped Chickadee	4	Resting	Land	Near
9 /18/2009	ST7	10:00:00 AM	Waterfowl (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Bird (unidentified)	6	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Goose (unidentified)	40	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Mallard	2	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Ptarmigan (unidentified)	5	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
9 /18/2009	ST7	10:00:00 AM	Shorebird (unidentified)	10	Feeding	Sandbar	Far Distant
9 /18/2009	ST7	10:00:00 AM	Shorebird (unidentified)	10	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Black Scoter	1	Traveling	Air	Distant
9 /18/2009	ST7	10:00:00 AM	Pacific Loon	1	Traveling	Air	Near
9 /18/2009	ST7	10:00:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Swan (unidentified)	4	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Duck (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Canada Goose	65	Feeding	Sandbar	Far Distant
9 /18/2009	ST7	10:00:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Duck (unidentified)	9	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Black-bellied Plover	4	Traveling	Air	Near
9 /18/2009	ST7	10:00:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Goose (unidentified)	3	Resting	Sandbar	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Duck (unidentified)	7	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /18/2009	ST7	10:00:00 AM	Pacific Loon	2	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Common Raven	1	Traveling	Air	Near
9 /18/2009	ST7	10:00:00 AM	Black-billed Magpie	2	Traveling	Air	Near
9 /18/2009	ST7	10:00:00 AM	Northern Harrier	1	Feeding	Air	Near
9 /18/2009	ST7	10:00:00 AM	Common Raven	5	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Ptarmigan (unidentified)	7	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Ptarmigan (unidentified)	10	Traveling	Air	Near
9 /18/2009	ST7	10:00:00 AM	Loon (?)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST7	10:00:00 AM	Mew Gull	2	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Canada Goose	29	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Canada Goose	9	Traveling	Air	Far Distant
9 /18/2009	ST7	10:00:00 AM	Red-necked Grebe	1	Feeding	Water	Distant
9 /18/2009	ST7	10:00:00 AM	Red-necked Grebe	1	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	White-winged Scoter (?)	1	Traveling	Air	Far Distant
9 /18/2009	ST8	11:15:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
9 /18/2009	ST8	11:15:00 AM	Glaucous Gull	1	Resting	Water	Near
9 /18/2009	ST8	11:15:00 AM	Human	6	Traveling	Water	Near
9 /18/2009	ST8	11:15:00 AM	Mallard	1	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Goose (unidentified)	25	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Sandhill Crane	3	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Red-necked Phalarope	3	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Loon (unidentified)	2	Traveling	Air	Far Distant
9 /18/2009	ST8	11:15:00 AM	Mew Gull	2	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Sandhill Crane	100	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Canada Goose	32	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /18/2009	ST8	11:15:00 AM	Golden-Plover (unidentified)	1	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Black-bellied Plover	1	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Sandhill Crane	2	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /18/2009	ST8	11:15:00 AM	Glaucous-winged Gull	2	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Shorebird (unidentified)	13	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Sandhill Crane	196	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Waterfowl (unidentified)	20	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Glaucous-winged Gull	1	Feeding	Water	Near
9 /18/2009	ST8	11:15:00 AM	Glaucous Gull	2	Feeding	Water	Distant
9 /18/2009	ST8	11:15:00 AM	Lapland Longspur	2	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Glaucous/Glaucous-winged Gull	2	Resting	Water	Distant
9 /18/2009	ST8	11:15:00 AM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Far Distant
9 /18/2009	ST8	11:15:00 AM	Common Raven	3	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Greater White-fronted Goose	7	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Mew Gull	1	Resting	Water	Distant
9 /18/2009	ST8	11:15:00 AM	Gull (unidentified)	4	Resting	Water	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Ptarmigan (unidentified)	430	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Common Raven	5	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Tundra Swan	6	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Pacific Loon	1	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Plover (unidentified)	5	Traveling	Air	Distant
9 /18/2009	ST8	11:15:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Goose (unidentified)	16	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Common Raven	3	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Bald Eagle	1	Resting	Land	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /18/2009	ST8	11:15:00 AM	Hawk (unidentified)	2	Traveling	Air	Very Far Distant
9 /18/2009	ST8	11:15:00 AM	Goose (unidentified)	46	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Swan (unidentified)	6	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Sandhill Crane	53	Traveling	Air	Near
9 /18/2009	ST9	12:20:00 PM	Gull (unidentified)	4	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Duck (unidentified)	1	Resting	Water	Far Distant
9 /18/2009	ST9	12:20:00 PM	Gull (unidentified)	1	Resting	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /18/2009	ST9	12:20:00 PM	Ptarmigan (unidentified)	150	Traveling	Air	Near
9 /18/2009	ST9	12:20:00 PM	Sandhill Crane	95	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Sandhill Crane	3	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Hawk (unidentified)	1	Traveling	Air	Distant
9 /18/2009	ST9	12:20:00 PM	Canada Goose	2	Traveling	Air	Near
9 /18/2009	ST9	12:20:00 PM	Sandhill Crane	36	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Pelagic Cormorant	1	Traveling	Air	Near
9 /18/2009	ST9	12:20:00 PM	Canada Goose	6	Traveling	Air	Distant
9 /18/2009	ST9	12:20:00 PM	Northern Flicker	1	Traveling	Air	Near
9 /18/2009	ST9	12:20:00 PM	Sandhill Crane	120	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Distant
9 /18/2009	ST9	12:20:00 PM	Sandhill Crane	10	Traveling	Air	Distant
9 /18/2009	ST9	12:20:00 PM	Goose (unidentified)	6	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Ptarmigan (unidentified)	250	Traveling	Air	Near
9 /18/2009	ST9	12:20:00 PM	Calidrid Sandpiper	1	Traveling	Air	Near
9 /18/2009	ST9	12:20:00 PM	Common Raven	2	Feeding	Land	Near
9 /18/2009	ST9	12:20:00 PM	Ptarmigan (unidentified)	30	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Distant
9 /18/2009	ST9	12:20:00 PM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
9 /18/2009	ST9	12:20:00 PM	Ptarmigan (unidentified)	578	Traveling	Air	Distant
9 /18/2009	ST9	12:20:00 PM	Goose (unidentified)	13	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Black Scoter	1	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Sandhill Crane	110	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Loon (unidentified)	1	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Swan (unidentified)	3	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Duck (unidentified)	3	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Hawk (unidentified)	1	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Glaucous Gull	1	Resting	Water	Near
9 /18/2009	ST9	12:20:00 PM	Ptarmigan (unidentified)	100	Resting	Land	Distant
9 /18/2009	ST9	12:20:00 PM	Ptarmigan (unidentified)	40	Resting	Land	Distant
9 /18/2009	ST9	12:20:00 PM	Goose (unidentified)	24	Traveling	Air	Very Far Distant
9 /18/2009	ST9	12:20:00 PM	Shorebird (unidentified)	7	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /18/2009	ST9	12:20:00 PM	Canada Goose	9	Traveling	Air	Far Distant
9 /18/2009	ST9	12:20:00 PM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /20/2009	ST7	12:40:00 PM	Goose (unidentified)	8	Traveling	Air	Very Far Distant
9 /20/2009	ST7	12:40:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /20/2009	ST7	12:40:00 PM	Bird (unidentified)	7	Traveling	Air	Very Far Distant
9 /20/2009	ST7	12:40:00 PM	Goose (unidentified)	30	Feeding	Sandbar	Far Distant
9 /20/2009	ST7	12:40:00 PM	Gull (unidentified)	1	Resting	Sandbar	Far Distant
9 /20/2009	ST7	12:40:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /20/2009	ST7	12:40:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /20/2009	ST7	12:40:00 PM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /20/2009	ST7	12:40:00 PM	Ptarmigan (unidentified)	2	Traveling	Air	Distant
9 /20/2009	ST7	12:40:00 PM	Northern Harrier	1	Traveling	Air	Far Distant
9 /20/2009	ST7	12:40:00 PM	Greater White-fronted Goose	22	Traveling	Air	Near
9 /20/2009	ST7	12:40:00 PM	Ptarmigan (unidentified)	17	Traveling	Air	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Shorebird (unidentified)	29	Feeding	Sandbar	Distant
9 /20/2009	ST8	11:05:00 AM	Common Raven	2	Feeding	Land	Near
9 /20/2009	ST8	11:05:00 AM	Mallard	1	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Glaucous Gull	2	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Black Scoter	2	Resting	Water	Distant
9 /20/2009	ST8	11:05:00 AM	Common Raven	2	Traveling	Air	Far Distant
9 /20/2009	ST8	11:05:00 AM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Gull (unidentified)	1	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Waterfowl (unidentified)	38	Traveling	Air	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Common Raven	1	Traveling	Air	Distant
9 /20/2009	ST8	11:05:00 AM	Dowitcher (unidentified)	17	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Gull (unidentified)	80	Resting	Sandbar	Far Distant
9 /20/2009	ST8	11:05:00 AM	Common Raven	6	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Glaucous-winged Gull	5	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Pacific Loon	1	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Glaucous/Glaucous-winged Gull	5	Resting	Sandbar	Distant
9 /20/2009	ST8	11:05:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Water	Distant
9 /20/2009	ST8	11:05:00 AM	Goose (unidentified)	10	Traveling	Air	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Waterfowl (unidentified)	4	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /20/2009	ST8	11:05:00 AM	Mew Gull	2	Resting	Water	Near
9 /20/2009	ST8	11:05:00 AM	Mew Gull	1	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Calidrid Sandpiper	11	Traveling	Air	Distant
9 /20/2009	ST8	11:05:00 AM	Calidrid Sandpiper	6	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Bird (unidentified)	5	Traveling	Air	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Common Raven	1	Resting	Land	Near
9 /20/2009	ST8	11:05:00 AM	Swan (unidentified)	4	Traveling	Air	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /20/2009	ST8	11:05:00 AM	Glaucous/Glaucous-winged Gull	3	Traveling	Air	Distant
9 /20/2009	ST8	11:05:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /20/2009	ST8	11:05:00 AM	Bird (unidentified)	21	Traveling	Air	Very Far Distant
9 /20/2009	ST8	11:05:00 AM	Black-bellied Plover	2	Traveling	Air	Near
9 /20/2009	ST8	11:05:00 AM	Canada Goose	5	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Ptarmigan (unidentified)	42	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Ptarmigan (unidentified)	40	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Black Scoter	5	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Dowitcher (unidentified)	7	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Shorebird (unidentified)	7	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Ptarmigan (unidentified)	50	Resting	Land	Distant
9 /20/2009	ST9	09:45:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Common Raven	2	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Glaucous/Glaucous-winged Gull	5	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Common Raven	3	Resting	Land	Distant
9 /20/2009	ST9	09:45:00 AM	Passerine (unidentified)	1	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /20/2009	ST9	09:45:00 AM	Duck (unidentified)	5	Traveling	Air	Far Distant
9 /20/2009	ST9	09:45:00 AM	Black-bellied Plover	4	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	American Wigeon	3	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Canada Goose	4	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /20/2009	ST9	09:45:00 AM	Plover (unidentified)	1	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Green-winged Teal	3	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Land	Distant
9 /20/2009	ST9	09:45:00 AM	Glaucous Gull	2	Resting	Sandbar	Near
9 /20/2009	ST9	09:45:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Shorebird (unidentified)	2	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Sandhill Crane	7	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Common Raven	1	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /20/2009	ST9	09:45:00 AM	Ptarmigan (unidentified)	120	Traveling	Air	Near
9 /20/2009	ST9	09:45:00 AM	Gull (unidentified)	3	Resting	Sandbar	Very Far Distant
9 /20/2009	ST9	09:45:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Mew Gull	2	Resting	Sandbar	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Glaucous Gull	3	Traveling	Air	Distant
9 /22/2009	ST1	12:23:00 PM	Mew Gull	2	Traveling	Air	Far Distant
9 /22/2009	ST1	12:23:00 PM	Tundra Swan	7	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Glaucous Gull	2	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Mew Gull	7	Resting	Sandbar	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Gull (unidentified)	8	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Sandhill Crane	7	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Mew Gull	2	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Scaup (unidentified)	5	Traveling	Air	Distant
9 /22/2009	ST1	12:23:00 PM	Ptarmigan (unidentified)	1	Traveling	Air	Near
9 /22/2009	ST1	12:23:00 PM	Mew Gull	2	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Ptarmigan (unidentified)	1	Traveling	Air	Near
9 /22/2009	ST1	12:23:00 PM	Common Raven	2	Traveling	Air	Far Distant
9 /22/2009	ST1	12:23:00 PM	Canada Goose	4	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Common Raven	1	Traveling	Air	Near
9 /22/2009	ST1	12:23:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /22/2009	ST1	12:23:00 PM	Glaucous Gull	1	Traveling	Air	Near
9 /22/2009	ST1	12:23:00 PM	Human	2	Traveling	Water	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /22/2009	ST1	12:23:00 PM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Goose (unidentified)	30	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Bird (unidentified)	10	Traveling	Air	Very Far Distant
9 /22/2009	ST1	12:23:00 PM	Glaucous Gull	4	Traveling	Air	Very Far Distant
9 /22/2009	ST7	09:25:00 AM	Mallard	3	Traveling	Air	Near
9 /22/2009	ST7	09:25:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /22/2009	ST7	09:25:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Near
9 /22/2009	ST7	09:25:00 AM	Gull (unidentified)	3	Resting	Sandbar	Far Distant
9 /22/2009	ST7	09:25:00 AM	Northern Shrike	1	Traveling	Air	Near
9 /22/2009	ST7	09:25:00 AM	Ptarmigan (unidentified)	20	Traveling	Air	Near
9 /22/2009	ST7	09:25:00 AM	Mallard	6	Traveling	Air	Distant
9 /22/2009	ST7	09:25:00 AM	Gull (unidentified)	7	Traveling	Air	Far Distant
9 /22/2009	ST7	09:25:00 AM	Mew Gull	1	Traveling	Air	Near
9 /22/2009	ST7	09:25:00 AM	Gull (unidentified)	3	Traveling	Air	Distant
9 /22/2009	ST7	09:25:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Sandbar	Very Far Distant
9 /22/2009	ST7	09:25:00 AM	Shorebird (unidentified)	14	Traveling	Air	Far Distant
9 /22/2009	ST7	09:25:00 AM	Ptarmigan (unidentified)	237	Traveling	Air	Very Far Distant
9 /22/2009	ST7	09:25:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /22/2009	ST7	09:25:00 AM	Bird (unidentified)	1	Traveling	Air	Far Distant
9 /22/2009	ST7	09:25:00 AM	Waterfowl (unidentified)	8	Traveling	Air	Very Far Distant
9 /22/2009	ST7	09:25:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Land	Distant
9 /22/2009	ST7	09:25:00 AM	Common Raven	2	Traveling	Air	Near
9 /22/2009	ST7	09:25:00 AM	Glaucous Gull	2	Traveling	Air	Near
9 /22/2009	ST7	09:25:00 AM	Canada Goose	2	Traveling	Air	Far Distant
9 /22/2009	ST9	10:50:00 AM	Mew Gull	1	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Red-necked Grebe	3	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Shorebird (unidentified)	3	Traveling	Air	Far Distant
9 /22/2009	ST9	10:50:00 AM	Tundra Swan	14	Traveling	Air	Far Distant
9 /22/2009	ST9	10:50:00 AM	Waterfowl (unidentified)	12	Traveling	Air	Very Far Distant
9 /22/2009	ST9	10:50:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	60	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Calidrid Sandpiper	5	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /22/2009	ST9	10:50:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	18	Resting	Land	Distant
9 /22/2009	ST9	10:50:00 AM	Dowitcher (unidentified)	2	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	100	Traveling	Air	Far Distant
9 /22/2009	ST9	10:50:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
9 /22/2009	ST9	10:50:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Far Distant
9 /22/2009	ST9	10:50:00 AM	Savannah Sparrow	24	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Glaucous Gull	2	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Golden-Plover (unidentified)	2	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	38	Resting	Land	Distant
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	325	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	270	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Canada Goose	2	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Shorebird (unidentified)	5	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	120	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Canada Goose	78	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Green-winged Teal	7	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /22/2009	ST9	10:50:00 AM	Rock Sandpiper	1	Feeding	Land	Near
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	3	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	17	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Ptarmigan (unidentified)	235	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Passerine (unidentified)	1	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Tundra Swan	16	Traveling	Air	Near
9 /22/2009	ST9	10:50:00 AM	Pacific Loon	1	Traveling	Air	Distant
9 /22/2009	ST9	10:50:00 AM	Goose (unidentified)	25	Traveling	Air	Very Far Distant
9 /22/2009	ST9	10:50:00 AM	Tundra Swan	10	Traveling	Air	Distant
9 /23/2009	ST7	09:00:00 AM	Canada Goose	3	Traveling	Air	Far Distant
9 /23/2009	ST7	09:00:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /23/2009	ST7	09:00:00 AM	Common Raven	1	Traveling	Air	Far Distant
9 /23/2009	ST7	09:00:00 AM	Shorebird (unidentified)	2	Traveling	Air	Far Distant
9 /23/2009	ST7	09:00:00 AM	Canada Goose	6	Traveling	Air	Far Distant
9 /23/2009	ST7	09:00:00 AM	Ptarmigan (unidentified)	3	Traveling	Air	Distant
9 /23/2009	ST7	09:00:00 AM	Northern Shrike	2	Feeding	Land	Near
9 /23/2009	ST7	09:00:00 AM	Redpoll (unidentified)	13	Traveling	Air	Near

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /23/2009	ST7	09:00:00 AM	Goose (unidentified)	7	Traveling	Air	Very Far Distant
9 /23/2009	ST7	09:00:00 AM	Goose (unidentified)	4	Resting	Sandbar	Far Distant
9 /23/2009	ST7	09:00:00 AM	Northern Shrike	1	Traveling	Air	Near
9 /23/2009	ST7	09:00:00 AM	Glaucous-winged Gull	2	Traveling	Air	Near
9 /23/2009	ST7	09:00:00 AM	Human	1	Traveling	Water	Far Distant
9 /23/2009	ST7	09:00:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Distant
9 /23/2009	ST7	09:00:00 AM	Goose (unidentified)	11	Traveling	Air	Far Distant
9 /23/2009	ST7	09:00:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /23/2009	ST7	09:00:00 AM	Glaucous Gull	3	Traveling	Air	Near
9 /23/2009	ST7	09:00:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /23/2009	ST7	09:00:00 AM	Swan (unidentified)	7	Traveling	Air	Very Far Distant
9 /23/2009	ST7	09:00:00 AM	Redpoll (unidentified)	5	Traveling	Air	Near
9 /23/2009	ST7	09:00:00 AM	Swan (unidentified)	13	Traveling	Air	Very Far Distant
9 /23/2009	ST7	09:00:00 AM	Surf Scoter	2	Resting	Water	Far Distant
9 /23/2009	ST7	09:00:00 AM	Mallard	4	Traveling	Air	Far Distant
9 /23/2009	ST7	09:00:00 AM	Gull (unidentified)	3	Resting	Sandbar	Far Distant
9 /23/2009	ST7	09:00:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /23/2009	ST7	09:00:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /23/2009	ST7	09:00:00 AM	Canada Goose	4	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Ptarmigan (unidentified)	135	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /23/2009	ST8	10:10:00 AM	Duck (unidentified)	8	Traveling	Air	Far Distant
9 /23/2009	ST8	10:10:00 AM	Calidrid Sandpiper	13	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Ptarmigan (unidentified)	800	Traveling	Air	Distant
9 /23/2009	ST8	10:10:00 AM	Harbor/Spotted Seal	1	Traveling	Water	Near
9 /23/2009	ST8	10:10:00 AM	Duck (unidentified)	1	Traveling	Air	Far Distant
9 /23/2009	ST8	10:10:00 AM	Green-winged Teal	8	Resting	Water	Near
9 /23/2009	ST8	10:10:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Goose (unidentified)	3	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	American Wigeon	9	Traveling	Air	Far Distant
9 /23/2009	ST8	10:10:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /23/2009	ST8	10:10:00 AM	Calidrid Sandpiper	3	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /23/2009	ST8	10:10:00 AM	Ptarmigan (unidentified)	110	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Peregrine Falcon	2	Feeding	Air	Distant
9 /23/2009	ST8	10:10:00 AM	Glaucous/Glaucous-winged Gull	8	Resting	Sandbar	Far Distant
9 /23/2009	ST8	10:10:00 AM	Green-winged Teal	1	Resting	Water	Near
9 /23/2009	ST8	10:10:00 AM	Glaucous/Glaucous-winged Gull	2	Resting	Sandbar	Distant
9 /23/2009	ST8	10:10:00 AM	Waterfowl (unidentified)	22	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Glaucous/Glaucous-winged Gull	2	Traveling	Air	Far Distant
9 /23/2009	ST8	10:10:00 AM	Waterfowl (unidentified)	5	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Swan (unidentified)	27	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Ptarmigan (unidentified)	595	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Ptarmigan (unidentified)	100	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Glaucous-winged Gull	2	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Common Raven	3	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Glaucous Gull	3	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Ptarmigan (unidentified)	930	Traveling	Air	Far Distant
9 /23/2009	ST8	10:10:00 AM	Sandhill Crane	11	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Ptarmigan (unidentified)	63	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Goose (unidentified)	4	Traveling	Air	Very Far Distant
9 /23/2009	ST8	10:10:00 AM	Wilson's (Common) Snipe	5	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Common Raven	2	Resting	Land	Distant
9 /23/2009	ST8	10:10:00 AM	Common Raven	1	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Mew Gull	1	Traveling	Air	Near
9 /23/2009	ST8	10:10:00 AM	Gull (unidentified)	2	Resting	Land	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	70	Traveling	Air	Far Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	95	Resting	Land	Near
9 /23/2009	ST9	11:20:00 AM	Loon (unidentified)	1	Traveling	Air	Far Distant
9 /23/2009	ST9	11:20:00 AM	Duck (unidentified)	3	Traveling	Air	Distant
9 /23/2009	ST9	11:20:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	American Wigeon	8	Traveling	Air	Distant
9 /23/2009	ST9	11:20:00 AM	Gull (unidentified)	1	Resting	Water	Far Distant
9 /23/2009	ST9	11:20:00 AM	Passerine (unidentified)	5	Traveling	Air	Distant
9 /23/2009	ST9	11:20:00 AM	Duck (unidentified)	7	Resting	Water	Far Distant
9 /23/2009	ST9	11:20:00 AM	Swan (unidentified)	1	Traveling	Air	Very Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /23/2009	ST9	11:20:00 AM	Black-bellied Plover	1	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Gull (unidentified)	3	Traveling	Air	Far Distant
9 /23/2009	ST9	11:20:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	40	Traveling	Air	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	138	Resting	Land	Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	110	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Red-breasted Merganser	5	Traveling	Air	Distant
9 /23/2009	ST9	11:20:00 AM	Common Raven	1	Traveling	Air	Far Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	340	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Green-winged Teal	21	Traveling	Air	Far Distant
9 /23/2009	ST9	11:20:00 AM	Gull (unidentified)	7	Resting	Sandbar	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Swan (unidentified)	4	Traveling	Air	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Canada Goose	5	Feeding	Sandbar	Near
9 /23/2009	ST9	11:20:00 AM	Glaucous/Glaucous-winged Gull	1	Resting	Sandbar	Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	41	Traveling	Air	Far Distant
9 /23/2009	ST9	11:20:00 AM	Wilson's (Common) Snipe	1	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Dowitcher (unidentified)	1	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Gull (unidentified)	6	Traveling	Air	Very Far Distant
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	30	Traveling	Air	Distant
9 /23/2009	ST9	11:20:00 AM	Canada Goose	1	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	81	Traveling	Air	Near
9 /23/2009	ST9	11:20:00 AM	Ptarmigan (unidentified)	49	Resting	Land	Near
9 /24/2009	ST1	12:46:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Sandpiper (unidentified)	3	Feeding	Sandbar	Far Distant
9 /24/2009	ST1	12:46:00 PM	Duck (unidentified)	4	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Ptarmigan (unidentified)	100	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /24/2009	ST1	12:46:00 PM	Goose (unidentified)	63	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	3	Traveling	Air	Far Distant
9 /24/2009	ST1	12:46:00 PM	Plover (unidentified)	1	Feeding	Sandbar	Far Distant
9 /24/2009	ST1	12:46:00 PM	Plover (unidentified)	2	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /24/2009	ST1	12:46:00 PM	Ptarmigan (unidentified)	50	Traveling	Air	Distant
9 /24/2009	ST1	12:46:00 PM	Common Raven	1	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	12	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Goose (unidentified)	12	Resting	Land	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Goose (unidentified)	40	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	1	Traveling	Air	Far Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	15	Feeding	Water	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Mew Gull	1	Resting	Sandbar	Far Distant
9 /24/2009	ST1	12:46:00 PM	Common Raven	3	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Duck (unidentified)	10	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Human	4	Traveling	Water	Near
9 /24/2009	ST1	12:46:00 PM	Ptarmigan (unidentified)	2	Traveling	Air	Near
9 /24/2009	ST1	12:46:00 PM	Mew Gull	2	Traveling	Air	Distant
9 /24/2009	ST1	12:46:00 PM	Passerine (unidentified)	3	Resting	Land	Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	1	Feeding	Sandbar	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	1	Resting	Land	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Human	2	Traveling	Water	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Canada Goose	24	Traveling	Air	Very Far Distant
9 /24/2009	ST1	12:46:00 PM	Ptarmigan (unidentified)	1	Traveling	Air	Far Distant
9 /24/2009	ST1	12:46:00 PM	Gull (unidentified)	17	Traveling	Air	Very Far Distant
9 /24/2009	ST6	11:33:00 AM	Common Raven	1	Traveling	Air	Near
9 /24/2009	ST6	11:33:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /24/2009	ST6	11:33:00 AM	Glaucous Gull	3	Resting	Sandbar	Far Distant
9 /24/2009	ST6	11:33:00 AM	Black-capped Chickadee	1	Traveling	Air	Near
9 /24/2009	ST6	11:33:00 AM	Mew Gull	2	Traveling	Air	Distant
9 /24/2009	ST6	11:33:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /24/2009	ST6	11:33:00 AM	Tundra Swan	10	Traveling	Air	Distant
9 /24/2009	ST6	11:33:00 AM	Mew Gull	1	Traveling	Air	Far Distant
9 /24/2009	ST6	11:33:00 AM	Common Raven	1	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Mallard	1	Traveling	Air	Distant
9 /24/2009	ST7	09:15:00 AM	Mallard	2	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Mew Gull	1	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Gull (unidentified)	3	Resting	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /24/2009	ST7	09:15:00 AM	Common Raven	1	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Canada Goose	6	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Glaucous-winged Gull	2	Traveling	Air	Near
9 /24/2009	ST7	09:15:00 AM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
9 /24/2009	ST7	09:15:00 AM	Canada Goose	17	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Canada Goose	12	Feeding	Sandbar	Far Distant
9 /24/2009	ST7	09:15:00 AM	Ptarmigan (unidentified)	10	Traveling	Air	Distant
9 /24/2009	ST7	09:15:00 AM	Ptarmigan (unidentified)	15	Traveling	Air	Very Far Distant
9 /24/2009	ST7	09:15:00 AM	Northern Harrier	1	Traveling	Air	Near
9 /24/2009	ST7	09:15:00 AM	Common Raven	1	Traveling	Air	Near
9 /24/2009	ST7	09:15:00 AM	Common Raven	1	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Goose (unidentified)	19	Traveling	Air	Very Far Distant
9 /24/2009	ST7	09:15:00 AM	Northern Harrier	1	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Shorebird (unidentified)	3	Traveling	Air	Very Far Distant
9 /24/2009	ST7	09:15:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /24/2009	ST7	09:15:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /24/2009	ST7	09:15:00 AM	Waterfowl (unidentified)	2	Traveling	Air	Very Far Distant
9 /24/2009	ST7	09:15:00 AM	Goose (unidentified)	5	Traveling	Air	Very Far Distant
9 /24/2009	ST7	09:15:00 AM	Glaucous-winged Gull	1	Traveling	Air	Distant
9 /24/2009	ST7	09:15:00 AM	Pacific Loon	1	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /24/2009	ST7	09:15:00 AM	Mallard	3	Traveling	Air	Distant
9 /24/2009	ST7	09:15:00 AM	Greater White-fronted Goose	10	Feeding	Sandbar	Far Distant
9 /24/2009	ST8	10:30:00 AM	Gull (unidentified)	7	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Canada Goose	19	Feeding	Sandbar	Distant
9 /24/2009	ST8	10:30:00 AM	Peregrine Falcon	1	Traveling	Air	Near
9 /24/2009	ST8	10:30:00 AM	Gull (unidentified)	4	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Ptarmigan (unidentified)	60	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Glaucous-winged Gull	1	Traveling	Air	Distant
9 /24/2009	ST8	10:30:00 AM	Mallard	4	Traveling	Air	Near
9 /24/2009	ST8	10:30:00 AM	Mallard	3	Resting	Sandbar	Distant
9 /24/2009	ST8	10:30:00 AM	Sandhill Crane	4	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Calidrid Sandpiper	93	Traveling	Air	Distant
9 /24/2009	ST8	10:30:00 AM	Shorebird (unidentified)	24	Feeding	Sandbar	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /24/2009	ST8	10:30:00 AM	Goose (unidentified)	103	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Gull (unidentified)	12	Resting	Sandbar	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Shorebird (unidentified)	123	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Canada Goose	2	Traveling	Air	Far Distant
9 /24/2009	ST8	10:30:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /24/2009	ST8	10:30:00 AM	Glaucous-winged Gull	1	Traveling	Air	Near
9 /24/2009	ST8	10:30:00 AM	Glaucous-winged Gull	1	Traveling	Air	Distant
9 /24/2009	ST8	10:30:00 AM	Bird (unidentified)	2	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Redpoll (unidentified)	8	Traveling	Air	Near
9 /24/2009	ST8	10:30:00 AM	Common Raven	1	Traveling	Air	Far Distant
9 /24/2009	ST8	10:30:00 AM	Canada Goose	2	Traveling	Air	Distant
9 /24/2009	ST8	10:30:00 AM	Ptarmigan (unidentified)	100	Traveling	Air	Distant
9 /24/2009	ST8	10:30:00 AM	Glaucous Gull	2	Resting	Water	Far Distant
9 /24/2009	ST8	10:30:00 AM	Bird (unidentified)	4	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Ptarmigan (unidentified)	40	Traveling	Air	Near
9 /24/2009	ST8	10:30:00 AM	Mew Gull	1	Traveling	Air	Near
9 /24/2009	ST8	10:30:00 AM	Swan (unidentified)	9	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Gull (unidentified)	1	Resting	Sandbar	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Savannah Sparrow	17	Traveling	Air	Distant
9 /24/2009	ST8	10:30:00 AM	Goose (unidentified)	33	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /24/2009	ST8	10:30:00 AM	Ptarmigan (unidentified)	25	Traveling	Air	Near
9 /24/2009	ST8	10:30:00 AM	Glaucous Gull	4	Traveling	Air	Near
9 /24/2009	ST9	11:40:00 AM	Canada Goose	4	Traveling	Air	Far Distant
9 /24/2009	ST9	11:40:00 AM	Common Raven	4	Traveling	Air	Far Distant
9 /24/2009	ST9	11:40:00 AM	Glaucous/Glaucous-winged Gull	1	Traveling	Air	Far Distant
9 /24/2009	ST9	11:40:00 AM	Canada Goose	7	Traveling	Air	Near
9 /24/2009	ST9	11:40:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Canada Goose	4	Traveling	Air	Far Distant
9 /24/2009	ST9	11:40:00 AM	Gull (unidentified)	1	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Glaucous Gull	1	Traveling	Air	Distant
9 /24/2009	ST9	11:40:00 AM	Swan (unidentified)	8	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Canada Goose	42	Traveling	Air	Distant

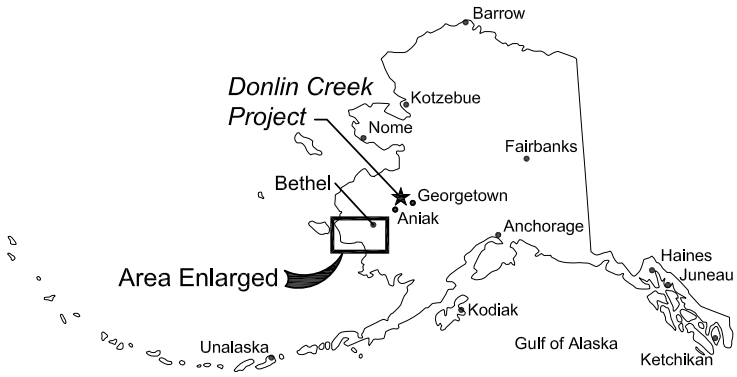
Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

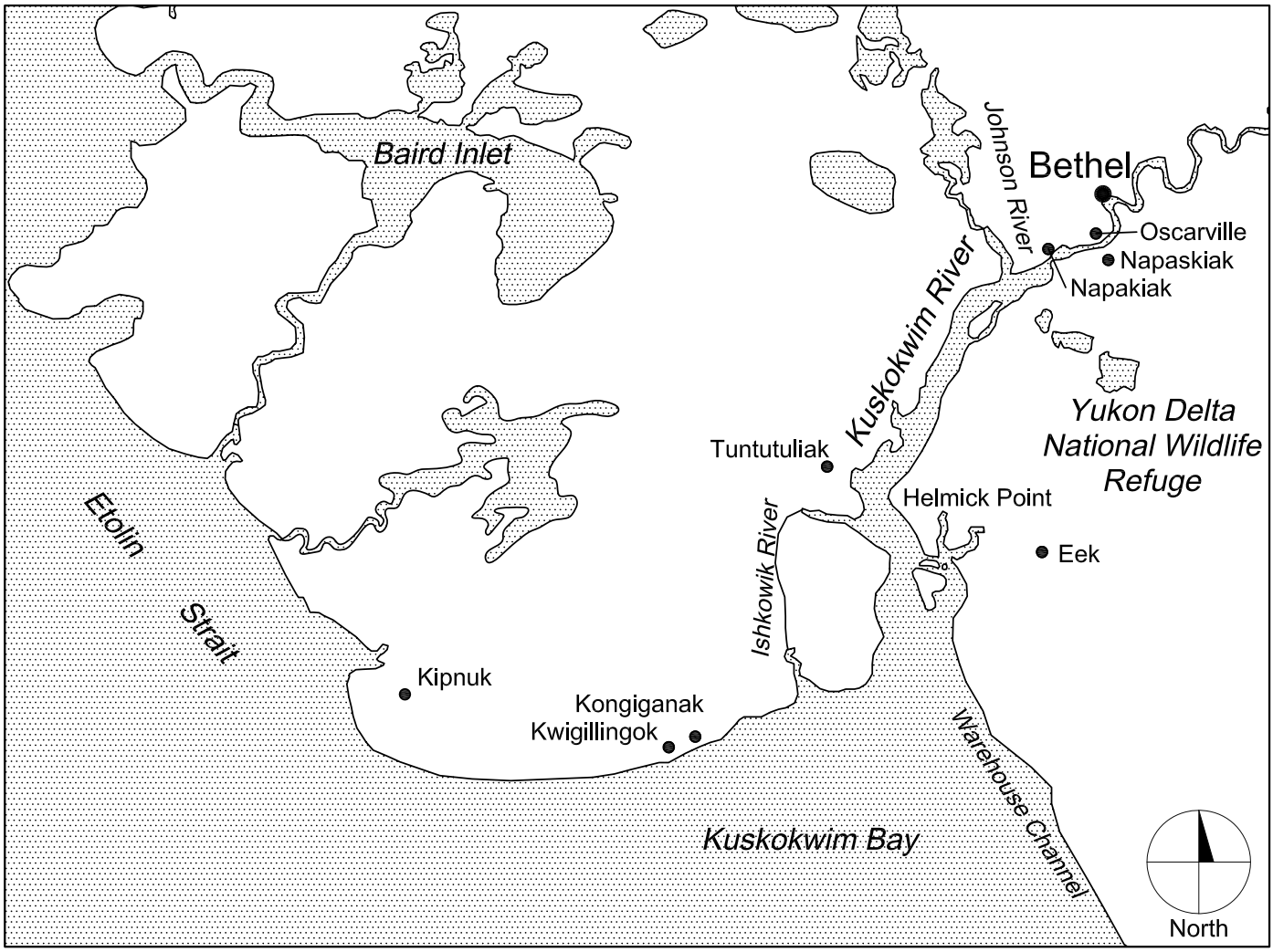
Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /24/2009	ST9	11:40:00 AM	Goose (unidentified)	18	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Duck (unidentified)	6	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Mew Gull	1	Traveling	Air	Distant
9 /24/2009	ST9	11:40:00 AM	Glaucous-winged Gull	2	Traveling	Air	Near
9 /24/2009	ST9	11:40:00 AM	Glaucous Gull	1	Resting	Sandbar	Distant
9 /24/2009	ST9	11:40:00 AM	Tundra Swan	7	Traveling	Air	Distant
9 /24/2009	ST9	11:40:00 AM	Mallard	5	Traveling	Air	Distant
9 /24/2009	ST9	11:40:00 AM	Common Raven	2	Traveling	Air	Distant
9 /24/2009	ST9	11:40:00 AM	Tundra Swan	17	Traveling	Air	Near
9 /24/2009	ST9	11:40:00 AM	Northern Pintail	1	Traveling	Air	Near
9 /24/2009	ST9	11:40:00 AM	Tundra Swan	26	Traveling	Air	Far Distant
9 /24/2009	ST9	11:40:00 AM	Bird (unidentified)	1	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Shorebird (unidentified)	5	Traveling	Air	Far Distant
9 /24/2009	ST9	11:40:00 AM	Gull (unidentified)	3	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Gull (unidentified)	4	Resting	Sandbar	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Shorebird (unidentified)	4	Traveling	Air	Distant
9 /24/2009	ST9	11:40:00 AM	Waterfowl (unidentified)	3	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Yellowlegs (unidentified)	1	Traveling	Air	Near
9 /24/2009	ST9	11:40:00 AM	Bird (unidentified)	3	Traveling	Air	Very Far Distant
9 /24/2009	ST9	11:40:00 AM	Canada Goose	3	Feeding	Sandbar	Distant
9 /24/2009	ST9	11:40:00 AM	Northern Harrier	1	Traveling	Air	Distant
9 /24/2009	ST9	11:40:00 AM	Goose (unidentified)	40	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Ptarmigan (unidentified)	12	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Goose (unidentified)	35	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Duck (unidentified)	2	Traveling	Air	Distant
9 /25/2009	ST1	11:17:00 AM	Glaucous Gull	1	Traveling	Air	Near
9 /25/2009	ST1	11:17:00 AM	Human	1	Traveling	Water	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Plover (unidentified)	1	Traveling	Air	Far Distant
9 /25/2009	ST1	11:17:00 AM	Glaucous Gull	24	Traveling	Air	Far Distant
9 /25/2009	ST1	11:17:00 AM	Mew Gull	3	Resting	Sandbar	Far Distant
9 /25/2009	ST1	11:17:00 AM	Ptarmigan (unidentified)	100	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Mew Gull	2	Traveling	Air	Distant
9 /25/2009	ST1	11:17:00 AM	Passerine (unidentified)	3	Traveling	Air	Far Distant

Table B-1. Observation data for animals sighted at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) on the Kuskokwim River during 2009.

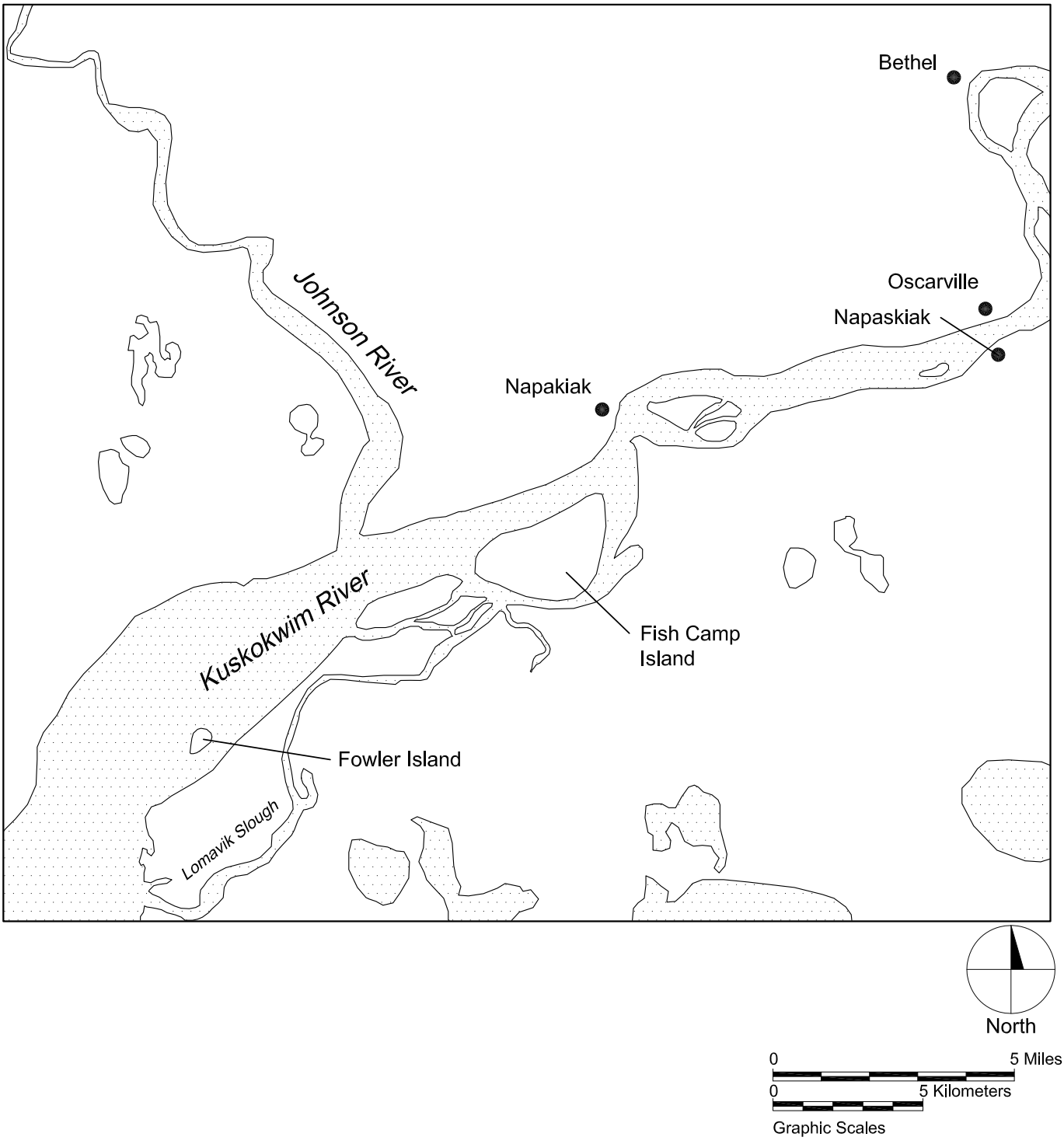
Observ Date	Site	Observ. Time	Species Items Sighted	# Sighted	Activity	Habitat	Distance
9 /25/2009	ST1	11:17:00 AM	Goose (unidentified)	200	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Common Loon	1	Traveling	Air	Distant
9 /25/2009	ST1	11:17:00 AM	Gull (unidentified)	18	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Mew Gull	1	Traveling	Air	Distant
9 /25/2009	ST1	11:17:00 AM	Common Raven	1	Traveling	Air	Very Far Distant
9 /25/2009	ST1	11:17:00 AM	Human	2	Traveling	Water	Near
9 /25/2009	ST1	11:17:00 AM	Mew Gull	1	Traveling	Air	Distant
9 /29/2009	ST6	12:19:00 PM	Mew Gull	1	Resting	Water	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Loon (unidentified)	3	Traveling	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Black Scoter	1	Resting	Water	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Black Scoter	1	Traveling	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Whiskered Auklet	2	Resting	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Bald Eagle	1	Traveling	Air	Near
9 /29/2009	ST6	12:19:00 PM	Glaucous Gull	1	Traveling	Air	Far Distant
9 /29/2009	ST6	12:19:00 PM	Common Raven	8	Traveling	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Mew Gull	2	Traveling	Air	Far Distant
9 /29/2009	ST6	12:19:00 PM	Black-billed Magpie	1	Resting	Land	Near
9 /29/2009	ST6	12:19:00 PM	Human	2	Traveling	Air	Near
9 /29/2009	ST6	12:19:00 PM	Mew Gull	1	Traveling	Air	Far Distant
9 /29/2009	ST6	12:19:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Glaucous Gull	2	Traveling	Air	Distant
9 /29/2009	ST6	12:19:00 PM	Canada Goose	13	Traveling	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Common Raven	1	Traveling	Air	Near
9 /29/2009	ST6	12:19:00 PM	Mew Gull	2	Traveling	Air	Distant
9 /29/2009	ST6	12:19:00 PM	Glaucous Gull	1	Traveling	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Mew Gull	1	Resting	Land	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Gull (unidentified)	2	Traveling	Air	Very Far Distant
9 /29/2009	ST6	12:19:00 PM	Redpoll (unidentified)	2	Traveling	Air	Near
9 /29/2009	ST6	12:19:00 PM	Common Raven	1	Resting	Land	Far Distant
9 /29/2009	ST6	12:19:00 PM	Passerine (unidentified)	2	Traveling	Air	Distant

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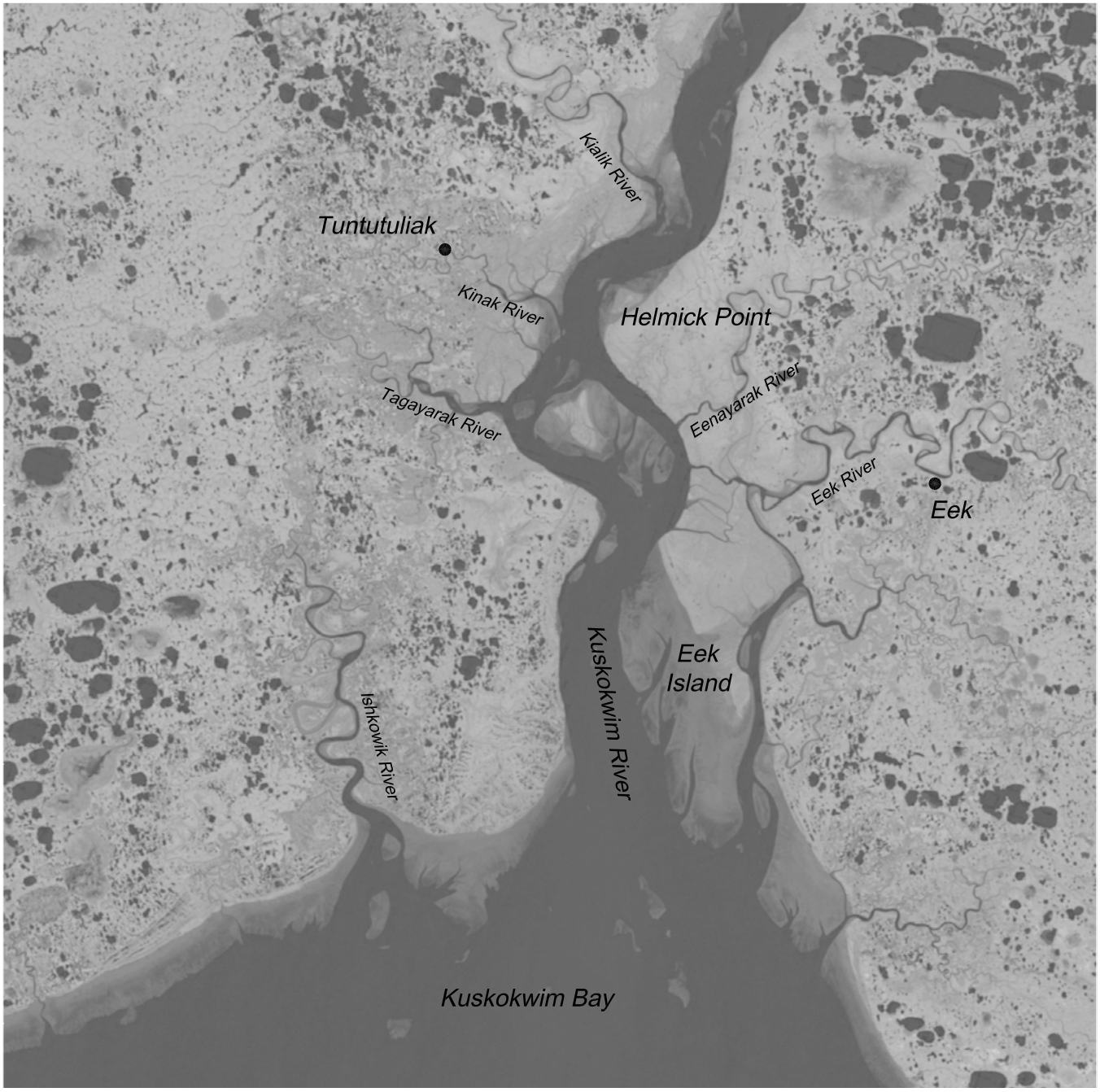




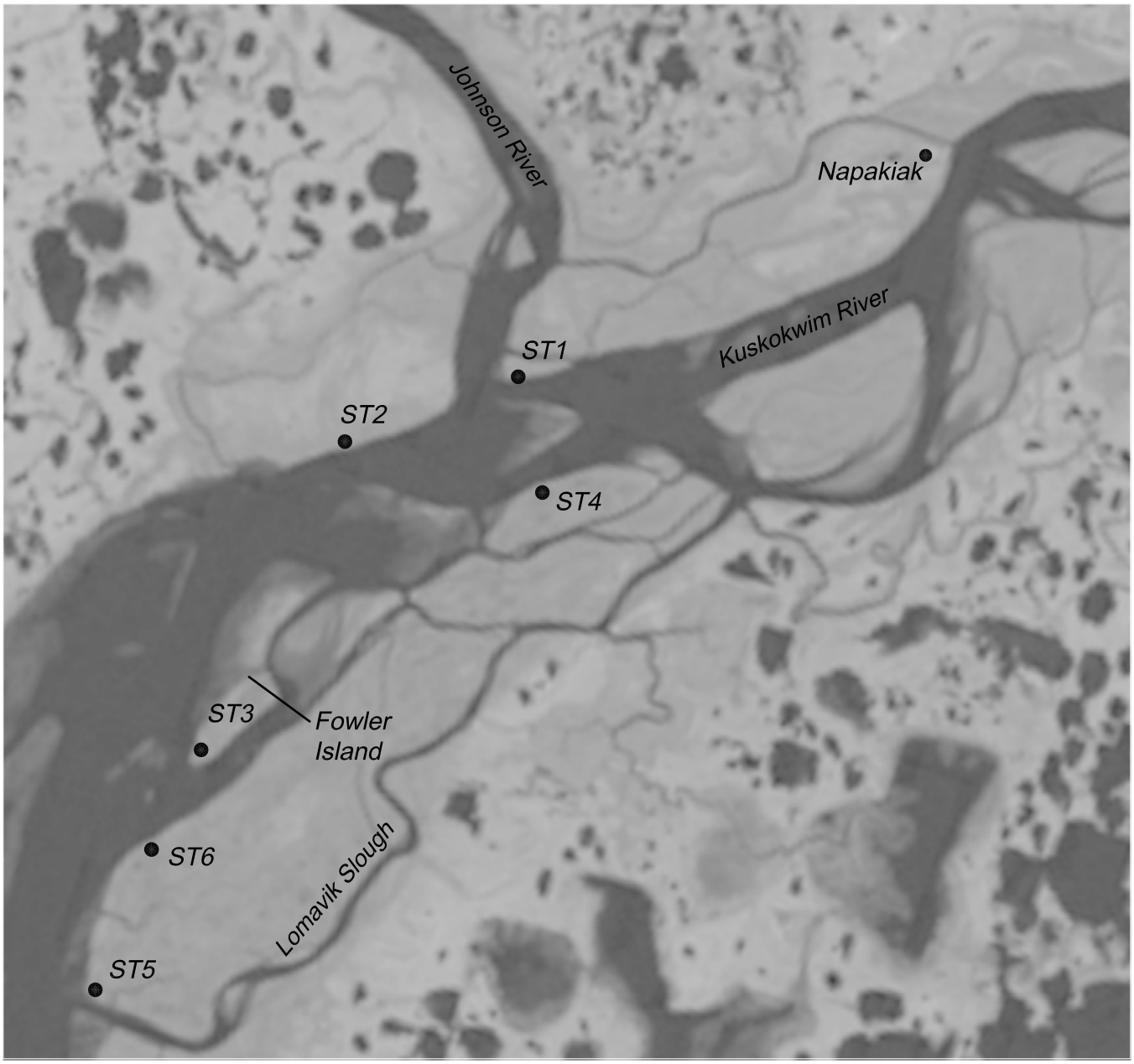
RWJ *Consulting* P.O. Box 672302, Chugiak, AK 99567-2302 Drawing: Vmap Date: 02/27/10 Plot Scale: 1:1 Drawn: DM Doc. No: DON002-503 Check: L. Gardner	Figure 1 Vicinity Map	Donlin Creek LLC Donlin Creek Project



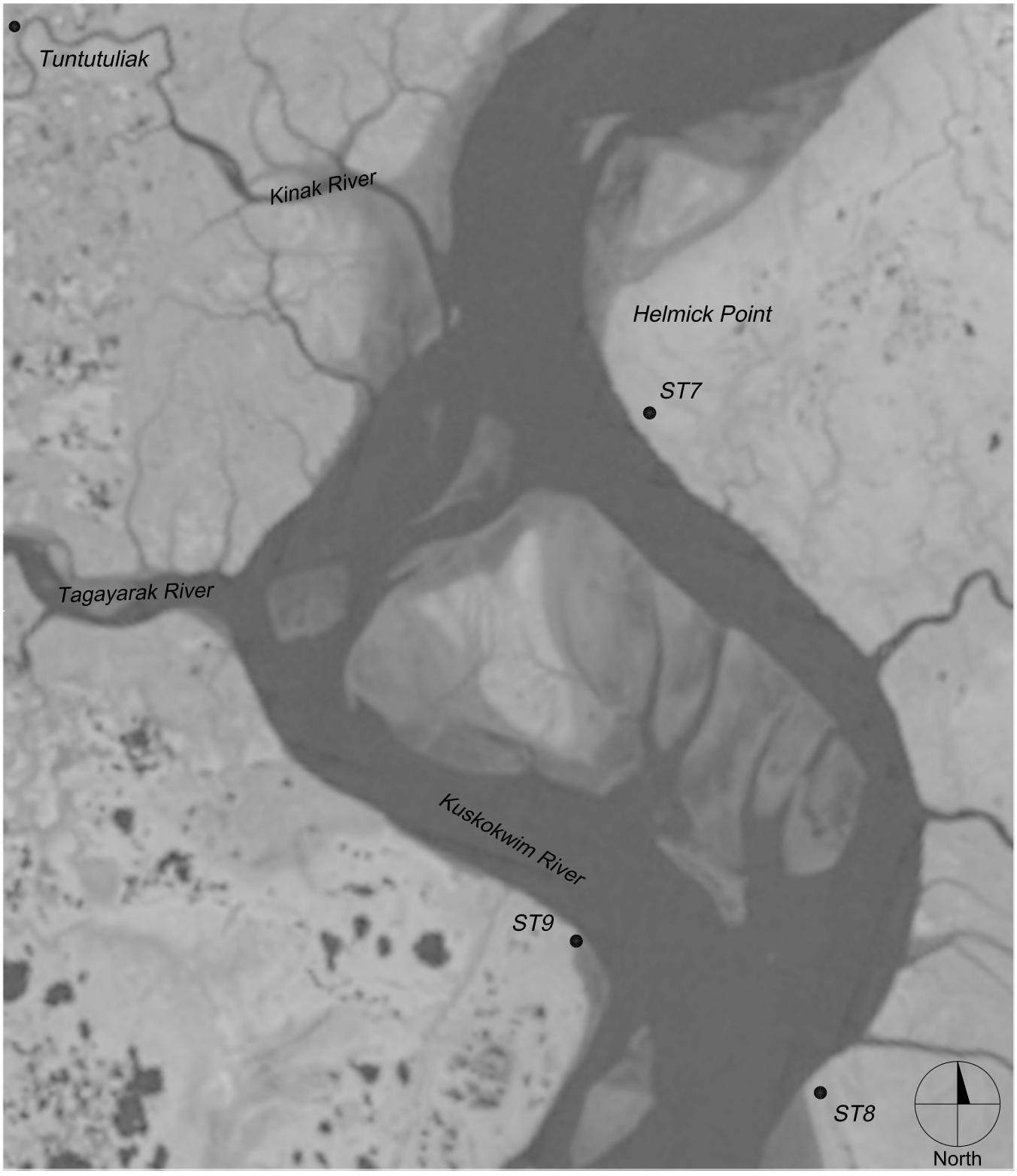
RWJ *Consulting* P.O. Box 672302, Chugiak, AK 99567-2302 Drawing: Vmap Date: 02/27/10 Plot Scale: 1:1 Drawn: DM Doc. No: DON002-503 Check: L. Gardner	Figure 2 Fowler Island Area Detail	Donlin Creek LLC Donlin Creek Project



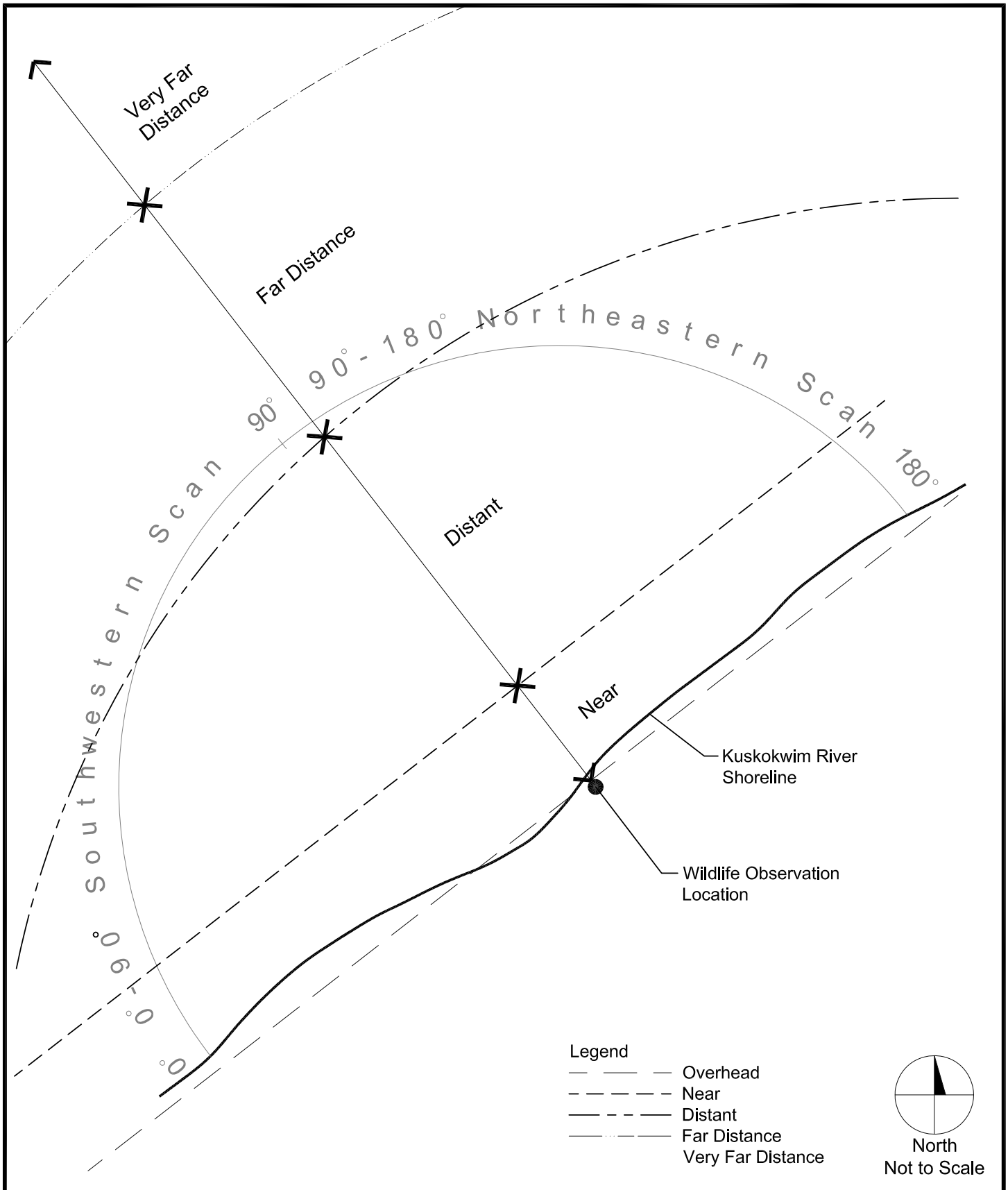
RWJ *Consulting* P.O. Box 672302, Chugiak, AK 99567-2302 Drawing: Date: 02/28/10 Plot Scale: 1:1 Drawn: DM Doc. No: DON002-503 Check: L. Gardner	Figure 3 Tuntutuliak Area Detail	Donlin Creek LLC Donlin Creek Project



RWJ *Consulting* P.O. Box 672302, Chugiak, AK 99567-2302 Drawing: Date: 02/28/10 Plot Scale: 1:1 Drawn: DM Doc. No: DON002-503 Check: L. Gardner	Figure 4 Fowler Island Area Viewing Station Location Map	Donlin Creek LLC Donlin Creek Project



RWJ *Consulting* P.O. Box 672302, Chugiak, AK 99567-2302 Drawing: Date: 02/28/10 Plot Scale: 1:1 Drawn: DM Doc. No: DON002-503 Check: L. Gardner	Figure 5 Tuntutuliak Area Viewing Station Location Map	Donlin Creek LLC Donlin Creek Project



RWJ *Consulting* P.O. Box 672302, Chugiak, AK 99567-2302 Drawing: Fig 6 Date: 02/28/10 Plot Scale: 1:1 Drawn: DM Doc No: DON002-503 Check: L. Gardner	Figure 6 Typical Wildlife Observation Configuration	Donlin Creek LLC Donlin Creek Project

APPENDIX C

LIST OF COMMON AND SCIENTIFIC NAMES OF ANIMALS OBSERVED AT FOWLER ISLAND AREA AND TUNTUTULIAK AREA VIEWING STATIONS ON THE KUSKOKWIM RIVER DURING WILDLIFE OBSERVATIONS IN 2009

Table C-1. List of common and scientific names of animals observed at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) viewing stations on the Kuskokwim River during wildlife observations in 2009.

Species Group	Common Name	Scientific Name	Present	
			Fowl. Is.	Tunt.
Bird	American Golden-Plover	*Pluvialis dominica*		X
	American Tree Sparrow	*Spizella arborea*	X	X
	American Wigeon	*Anas americana*	X	X
	Arctic Tern	*Sterna paradisaea*	X	X
	Bald Eagle	*Haliaeetus leucocephalus*	X	X
	Bank Swallow	*Riparia riparia*		X
	Bar-tailed Godwit	*Limosa lapponica*	X	X
	Bird (unidentified)	Aves	X	X
	Bird of Prey (unidentified)	Falconiformes		X
	Black Scoter	*Melanitta nigra*	X	X
	Black Turnstone	*Arenaria melanocephala*	X	X
	Black-bellied Plover	*Pluvialis squatarola*	X	X
	Black-billed Magpie	*Pica hudsonia*	X	X
	Black-capped Chickadee	*Poecile atricapilla*	X	X
	Brant	*Branta bernicla*	X	X
	Bristle-thighed Curlew	*Numenius tahitiensis*		X?
	Calidrid Sandpiper	*Calidris* spp.	X	X
	Canada Goose	*Branta canadensis*	X	X
	Common Loon	*Gavia immer*	X	X
	Common Merganser	*Mergus merganser*	X	X
	Common Raven	*Corvus corax*	X	X
	Cormorant (unidentified)	*Phalacrocorax* spp.		X
	Curlew (see Whimbrel/Curlew)	*Numenius* spp.		X
	Dark-eyed Junco	*Junco hyemalis*	X	
	Dowitcher (unidentified)	*Limnodromus* spp.	X	X
	Duck (unidentified)	Anatidae	X	X
	Dunlin	*Calidris alpina*		X
	Eagle (unidentified)	Accipitridae	X	X
	Eider (unidentified)	*Somateria* spp.	X	
	Glaucous Gull	*Larus hyperboreus*	X	X
	Glaucous-winged Gull	*Larus glaucescens*	X	X
	Godwit (unidentified)	*Limosa* spp.	X	X
	Golden Eagle	*Aquila chrysaetos*	X	
	Golden-Plover (unidentified)	*Pluvialis* spp.	X	X
	Goose (unidentified)	Anatidae	X	X
	Gray-cheeked Thrush	*Catharus minimus*	X	
	Greater Scaup	*Aythya marila*	X	X
	Greater White-fronted Goose	*Anser albifrons*	X	X
	Greater Yellowlegs	*Tringa melanoleuca*		X
	Grebe (unidentified)	*Podiceps* spp.		X
	Green-winged Teal	*Anas crecca*	X	X
	Gull (unidentified)	Laridae	X	X
	Harlequin Duck	*Histrionicus histrionicus*	X	
	Hawk (unidentified)	Accipitridae		X
	Herring Gull	*Larus argentatus*	X	
	Jaeger (unidentified)	*Stercorarius* spp.	X	X
	King Eider	*Somateria spectabilis*		X
	Lapland Longspur	*Calcarius lapponicus*	X	X

Table C-1. List of common and scientific names of animals observed at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) viewing stations on the Kuskokwim River during wildlife observations in 2009.

Species Group	Common Name	Scientific Name	Present	
			Fowl. Is.	Tunt.
Bird	Least Sandpiper	*Calidris minutilla*	X	X
	Least /Semipalmated / Western Sandpiper	*Calidris* spp.		X
	Lesser Yellowlegs	*Tringa flavipes*		X
	Long-billed Dowitcher	*Limnodromus scolopaceus*	X	X
	Long-tailed Duck	*Clangula hyemalis*	X	X
	Long-tailed Jaeger	*Stercorarius longicaudus*	X	X
	Loon (unidentified)	*Gavia* spp.	X	X
	Mallard	*Anas platyrhynchos*	X	X
	Merganser (unidentified)	*Mergus* spp.	X	X
	Merlin	*Falco columbarius*	X	X
	Mew Gull	*Larus canus*	X	X
	Northern Flicker	*Colaptes auratus*		X
	Northern Goshawk	*Accipiter gentilis*	X	X
	Northern Harrier	*Circus cyaneus*	X	X
	Northern Pintail	*Anas acuta*	X	X
	Northern Shoveler	*Anas clypeata*	X	X
	Northern Shrike	*Lanius excubitor*	X	X
	Northern Wheatear	*Oenanthe oenanthe*	X	
	Orange-crowned Warbler	*Vermivora celata*	X	
	Owl (unidentified)	Strigidae		X
	Pacific Golden-Plover	*Pluvialis fulva*	X	
	Pacific Loon	*Gavia pacifica*	X	X
	Parasitic Jaeger	*Stercorarius parasiticus*	X	X
	Passerine (unidentified)	Order Passeriformes	X	X
	Pelagic Cormorant	*Phalacrocorax pelagicus*	X	X
	Peregrine Falcon	*Falco peregrinus*	X	X
	Phalarope (unidentified)	*Phalaropus* spp.	X	
	Plover (unidentified)	Charadriidae	X	X
	Ptarmigan (unidentified)	*Lagopus* spp.	X	X
	Raptor	Order Falconiformes	X	
	Red-breasted Merganser	*Mergus serrator*	X	X
	Red-necked Grebe	*Podiceps grisegena*	X	X
	Red-necked Phalarope	*Phalaropus lobatus*	X	X
	Redpoll (unidentified)	*Carduelis* spp.	X	X
	Red-tailed Hawk	*Buteo jamaicensis*	X	
	Red-throated Loon	*Gavia stellata*	X	X
	Rock Sandpiper	*Calidris ptilocnemis*		X
	Rough-legged Hawk	*Buteo lagopus*	X	
	Ruddy Turnstone	*Arenaria interpres*		X
	Rusty Blackbird	*Euphagus carolinus*	X	
	Sabine's Gull	*Xema sabini*	X	X
	Sanderling (?)	*Calidris alba (?)*		X?
	Sandhill Crane	*Grus canadensis*	X	X
	Sandpiper (unidentified)	Scolopacidae	X	X
	Savannah Sparrow	*Passerculus sandwichensis*	X	X
	Scaup (unidentified)	*Aythya* spp.	X	X
	Scoter (unidentified)	*Melanitta* spp.	X	X
	Semipalmated Plover	*Charadrius semipalmatus*	X	

Table C-1. List of common and scientific names of animals observed at Fowler Island (ST1 and ST6) and Tuntutuliak (ST7, ST8, and ST9) viewing stations on the Kuskokwim River during wildlife observations in 2009.

Species Group	Common Name	Scientific Name	Present	
			Fowl. Is.	Tunt.
Bird	Semipalmated Sandpiper	*Calidris pusilla*		X
	Shorebird (unidentified)	Limicolae	X	X
	Short-eared Owl	*Asio flammeus*	X	X
	Shoveler (unidentified)	*Anas clypeata*	X	
	Sparrow (unidentified)	Emberizidae	X	X
	Spectacled Eider (?)	*Somateria fischeri (?)*	X?	
	Spotted Sandpiper	*Actitis macularia*	X	
	Surf Scoter	*Melanitta perspicillata*	X	X
	Swallow (unidentified)	Hirundinidae	X	X
	Swan (unidentified)	*Cygnus* spp.	X	X
	Teal (unidentified)	*Anas* spp.	X	
	Tern (unidentified)	Laridae	X	X
	Tree Swallow	*Tachycineta bicolor*	X	
	Tundra Swan	*Cygnus columbianus*	X	X
	Turnstone (unidentified)	*Arenaria* spp.		X
	Varied Thrush	*Ixoreus naevius*	X	
	Wandering Tattler	*Tringa incana**	X	
	Warbler (unidentified)	Parulidae	X	
	Waterfowl (unidentified)	Order Anseriformes	X	X
	Western Sandpiper	*Calidris mauri*		X
	Whimbrel	*Numenius phaeopus*	X	X
	Whimbrel/Bristle-thighed Curlew	*Numenius* spp.		X
	Whiskered Auklet	*Aethia pygmaea*	X	
	White-winged Scoter	*Melanitta fusca*	X	X
	Wigeon (unidentified)	*Anas* spp.	X	
	Willow Ptarmigan	*Lagopus lagopus*	X	
	Wilson's (Common) Snipe	*Gallinago delicata*	X	X
	Yellow Warbler	*Dendroica petechia*	X	X
	Yellow-billed Loon (?)	*Gavia adamsii (?)*		X?
	Yellowlegs (unidentified)	*Tringa* spp.	X	X
Total Number of Bird Species or Bird Groups			**103**	**100**
Mammal	Bearded Seal	*Erignathus barbatus*		X
	Fox	*Vulpes spp.*		X
	Harbor/Spotted Seal	*Phoca* spp.	X	X
	Mammal (unidentified)	Mammalia	X	
	Seal (unidentified)	Phocidae	X	X
	Weasel	*Mustela* spp.		X
	Bearded Seal	*Erignathus barbatus*		X
Total Number of Mammal Species or Mammal Groups			**3**	**6**
Grand Total of Mammal Species or Mammal Groups			**106**	**106**

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APPENDIX D

GPS COORDINATES FOR THE FIVE WILDLIFE OBSERVATION VIEWING STATIONS IN 2009

Table D-1. Global Positioning System (GPS) coordinates for the five wildlife observation viewing stations in 2009.

GPS Coord. Name*	Latitude	Longitude	Elevation	Local Date & Time
ST1	60°39.374' N	162°06.031' W	51 ft.	5/15/2009 10:56
ST6	60°34.887' N	162°12.556' W	7 ft.	5/15/2009 10:59
ST7BOAT	60°17.184' N	162°26.646' W	26 ft.	9/23/2009 16:34
ST7GPS	60°16.992' N	162°26.514' W	3 ft.	9/23/2009 16:38
ST8BOAT	60°10.102' N	162°22.234' W	0 ft.	9/23/2009 16:48
ST8GPS	60°10.148' N	162°22.093' W	0 ft.	9/23/2009 16:49
ST9BOAT	60°11.618' N	162°27.353' W	0 ft.	9/23/2009 16:45
ST9GPS	60°11.665' N	162°27.211' W	0 ft.	9/23/2009 16:47

* For selected stations, a reading from the project boat's navigation system was noted as well as with the hand-held GPS unit.

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