

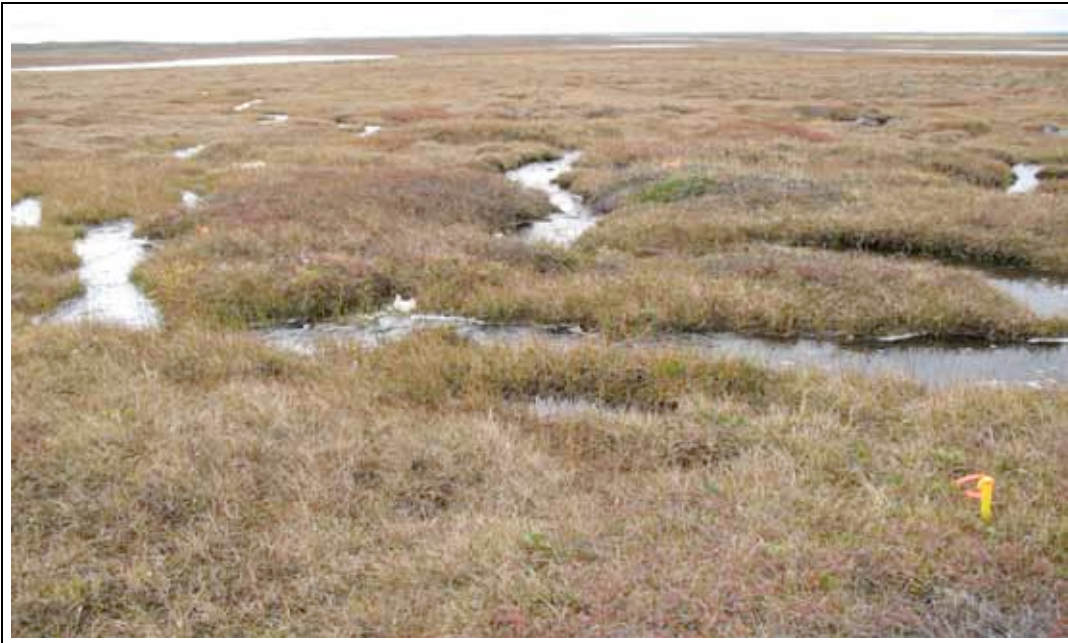


PHOTO 23. Plot 08-045. Riparian willow below small lake.



PHOTO 24. Plot 08-018. Tyrrell's willow (*Salix tyrrellii*)



PHOTO 25. Plot 08-005. Feltleaf willow (*Salix calcicola*).



PHOTO 26. Near Plot 08-015. Moss association on esker with *Sibbaldia procumbens* and *Parnassia kotzebuei*

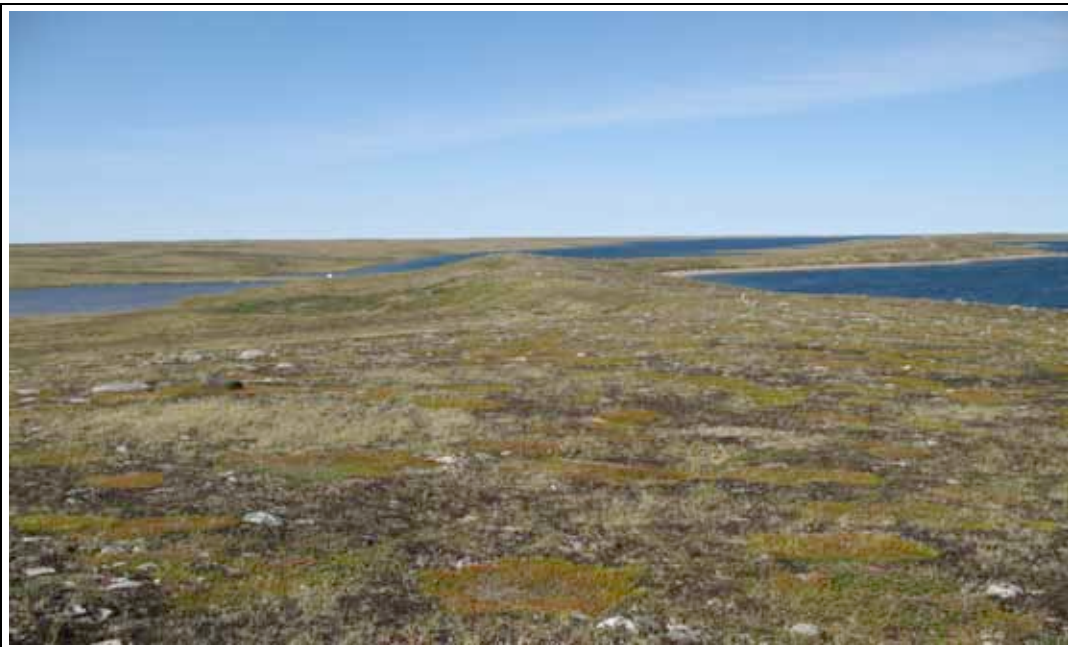


PHOTO 27. Plot 08-015. Esker with hair lichen crest and crowberry (*Empetrum nigrum*)



PHOTO 28. Plot 08-041. Crowberry, black berry, or *Empetrum nigrum*.



PHOTO 29. Plot 08-030. *Oxytropis arctica* var. *bellii* on stony ridge crest.



PHOTO 30. Plot 08-043. Cobble crest of ridge, few rooted plants, much *Umbilicaria*.



PHOTO 31. Plot 08-D06. Bands of vegetation on terraced slope: hair lichen, Labrador tea, bearberry, and crowberry.



PHOTO 32. Near Plot 08-015, mountain heather (*Phyllodoce coerula*).



PHOTO 33. Plot 08-048, *Stereocaulon tomentosum* lichen.



PHOTO 34. Plot 08-048. Snowbank community in lee of small bedrock ridge.



PHOTO 35. Plot 08-048. Cloudberry (*Rubus chamaemorus*), least willow (*Salix herbacea*), and moss in snowbank community.



PHOTO 36. Plot 08-048. Aqqiq berry, also cloudberry (*Rubus chamaemorus*).



PHOTO 37. Plot 08-027. Sunburst lichen (*Arctoparmelia centrifuga*).



PHOTO 38. Plot 08-035. Rock tripe lichen (*Umbilicaria* sp.).



PHOTO 39. Jewel lichen (*Xanthoria elegans*).



PHOTO 40. Plot 08-035. Lichens on old storage cache in boulder field.

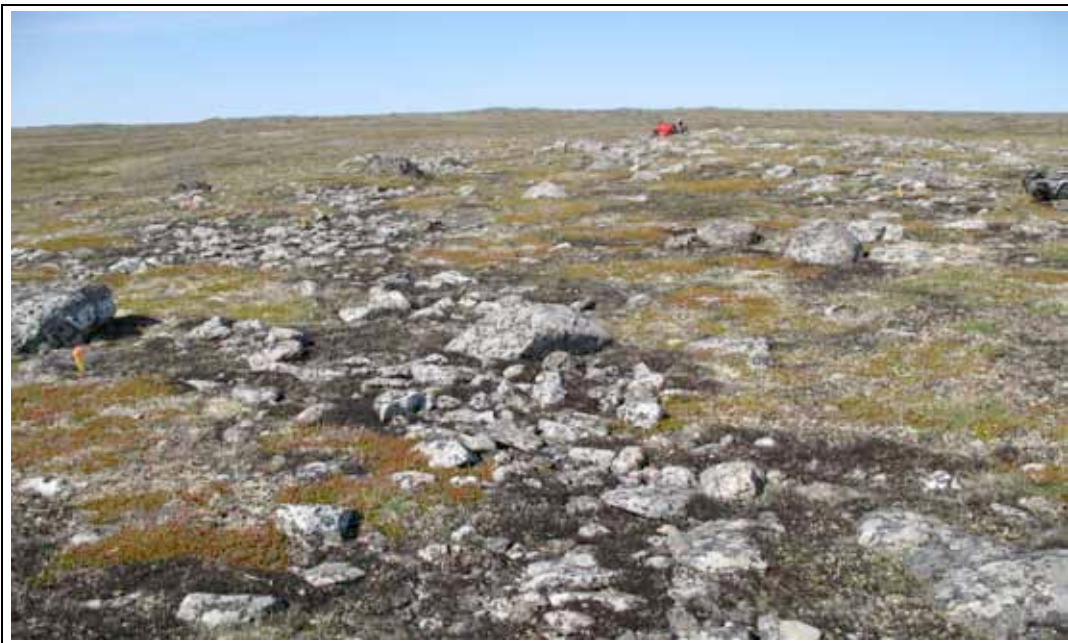


PHOTO 41. Plot 08-016. Boulders in heath and lichen-heath tundra.



PHOTO 42. Plot 08-D04. Monitoring plot markers on bedrock with lichens.



PHOTO 43. Plot 08-028. Domed burrow system of arctic ground squirrels, with birches and fan of excavated soil.



PHOTO 44. Plot 08-028. Sik sik (ground squirrel) burrow, close-up.



PHOTO 45. Plot 08-023. Burrow hill with dense grasses.



PHOTO 46. Plot 08-023. Heaths around burrow entrance.



PHOTO 47. Plot 08-035. Bearberry (*Arctostaphylos alpina*), fall foliage.



PHOTO 48. Plot 08-019. Caribou trail in heath tundra, partly regrown; only the depression is visible.



PHOTO 49. Near Plot 08-034. Active Honda trails through wetland.



PHOTO 50. Meliadine West Gold Project, camp. Darker green near buildings is vegetation that has developed since the camp has been built.



PHOTO 51. Plot 08-049. Greywater outflow area below kitchen building.



PHOTO 52. Plot 08-049. Small white fireweed (*Epilobium palustre*).



PHOTO 53. Plot 08-049. Liverwort (*Marchantia polymorpha*).



PHOTO 54. Plot 08-D01. Marking system for monitoring plots, with tube system to discourage sik siks from chewing tags.



APPENDIX A8

Plant Species Summary by Community Type

This list outlines representative plant species typical of each plant community type or association found in the Meliadine area, Kivalliq region based on occurrence in plots. Dominant species for each are underlined. Lichens are included.

Plant community types represent mappable units at a scale of 1:10 000 and correspond to major vegetation units that are often associated with distinct terrain features. Common species associated with these mapped units are presented in the following tables.

Sedge Community

<i>Anthoxanthum arcticum</i> (Syn.: <i>Hierochloe pauciflora</i>)	<i>J. castaneus</i>
<u><i>Arctogrostis latifolia</i></u>	<i>J. stygius</i> ssp. <i>americanus</i>
<u><i>Arctophila fulva</i></u>	<i>Kobresia simpliciuscula</i>
<i>Cardamine digitata</i>	<i>Luzula arctica</i> (Syn.: <i>L. nivalis</i> ssp. <i>nivalis</i>)
<i>C. pratensis</i>	<i>Luzula</i> sp.
<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	<i>Parnassia kotzebuei</i>
<u><i>Carex aquatilis</i></u>	<u><i>Pedicularis lapponica</i></u>
<i>C. atrofusca</i>	<i>P. sudetica</i>
<u><i>C. bigelowii</i></u>	<i>Poa</i> sp.
<i>C. rariflora</i>	<i>P. alpina</i>
<i>C. rotundata</i>	<i>P. arctica</i>
<i>C. rupestris</i>	<i>Polygonum viviparum</i>
<i>C. saxatilis</i>	<i>Ranunculus flammula</i> var. <i>filiformis</i>
<u><i>Comarum palustre</i></u> (Syn.: <i>Potentilla palustris</i>)	<i>R. gmelini</i>
<i>Dupontia fisheri</i>	<i>Salix arctophila</i>
<i>Equisetum arvense</i>	<u><i>S. calcicola</i></u>
<i>E. variegatum</i>	<i>S. glauca</i> var. <i>callicarpaea</i>
<u><i>Eriophorum angustifolium</i></u>	<i>S. tyrrellii</i>
<i>E. scheuchzeri</i>	<i>Saxifraga hirculus</i>
<i>Hippuris vulgaris</i>	<i>S. foliolosa</i>
<i>Juncus albescens</i>	<i>Silene uralensis</i> (Syn.: <i>Melandrium apetalum</i>)
<i>J. arcticus</i>	<i>Tofieldia pusilla</i>
<u><i>J. biglumis</i></u>	

Lichen-Heath – Cetraria and Hair Lichen Communities

<u><i>Alectoria ochroleuca</i></u>	<i>C. nivalis</i>
<i>A. fuscescens</i>	<i>C. tilesii</i>
<u><i>A. nigricans</i></u>	<i>Dactylina arctica</i>
<u><i>Anthoxanthum monticola</i></u> (Syn.: <i>Hierochloe alpina</i>)	<i>Diapensia lapponica</i>
<i>Arctagrostis latifolia</i>	<u><i>Dryas integrifolia</i></u>
<u><i>Artemisia campestris</i></u> (Syn.: <i>A. borealis</i>)	<u><i>Eriophorum scheuchzeri</i></u>
<u><i>Bryocaulon divergens</i></u>	<u><i>Luzula arctica</i></u> (Syn.: <i>L. nivalis</i>)
<u><i>Carex bigelowii</i></u>	<u><i>L. confusa</i></u>
<i>C. capillaris</i>	<i>Poa arctica</i>
<u><i>C. misandra</i></u>	<i>Saxifraga caespitosa</i> (?)
<u><i>C. scirpoidea</i></u>	<u><i>S. tricuspidata</i></u>



APPENDIX A8

Plant Species Summary by Community Type

Lichen-Heath – Cetraria and Hair Lichen Communities

<i>C. vaginata</i>	<i>Silene involucrate</i> (Syn.: <i>Melandrium affine</i>)
<i>Flavocetraria cucullata</i>	<i>Thamnia subuliformis</i>

Heath Tundra Community

<i>Anthoxanthum monticola</i> (Syn.: <i>Hierochloa alpina</i>)	<i>K. simpliciuscula</i>
<i>Alectoria ochroleuca</i>	<i>Ledum decumbens</i>
<i>A. nigricans</i> (?)	<i>Loiseleuria procumbens</i>
<i>Andromeda polifolia</i>	<i>Huperzia selago</i> (Syn.: <i>Lycopodium selago</i>)
<i>Arctagrostis latifolia</i>	<i>Luzula</i> sp.
<i>Arctostaphylos alpina</i>	<i>L. confusa</i>
<i>A. rubra</i>	<i>L. arctica</i> (Syn.: <i>L. nivalis</i>)
<i>Armeria maritima</i>	<i>Orthilia secunda</i> (Syn.: <i>P. secunda</i>)
<i>Artemisia campestris</i> (Syn.: <i>A. borealis</i>)	<i>Oxytropis arctica</i> var. <i>bellii</i>
<i>Astragalus alpinus</i>	<i>O. borealis</i> (Syn.: <i>O. hudsonica</i>)
<i>A. eucosmus</i>	<i>O. maydelliana</i>
<i>Betula nana</i> (Syn.: <i>B. glandulosa</i>)	<i>Pedicularis capitata</i>
<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	<i>P. flammea</i>
<i>Campanula uniflora</i>	<i>P. labradorica</i>
<i>Cardamine digitata</i>	<i>P. lapponica</i>
<i>Carex atrofusca</i>	<i>Pelletia apthosa</i>
<i>C. bigelowii</i>	<i>Poa</i> sp.
<i>C. membranacea</i>	<i>P. alpina</i>
<i>C. rariflora</i>	<i>P. arctica</i>
<i>C. rupestris</i>	<i>Polygonum viviparum</i>
<i>C. scirpoidea</i>	<i>Pyrola grandiflora</i>
<i>C. vaginata</i>	<i>Ranunculus pedatifidus</i>
<i>Cassiope tetragona</i>	<i>Rhododendron lapponicum</i>
<i>Flavocetraria nivalis</i>	<i>Rubus chamaemorus</i>
<i>Cladina</i> sp.	<i>Salix arctica</i>
<i>Cladonia cervicornis</i>	<i>S. arctophila</i>
<i>C. coccifera</i>	<i>Saussurea angustifolium</i>
<i>Dactylina arctica</i>	<i>Saxifraga aizoides</i>
<i>Diapensia lapponicum</i>	<i>S. oppositifolia</i>
<i>Dryas integrifolia</i>	<i>Thamnia subuliformis</i>
<i>Empetrum nigrum</i>	<i>Tofieldia coccinea</i>
<i>Eriophorum angustifolium</i>	<i>T. pusilla</i>
<i>E. scheuchzeri</i>	<i>Trichophorum caespitosum</i> (Syn.: <i>Scirpus caespitosus</i>)
<i>Eutrema edwardsii</i>	<i>Trisetum spicatum</i>
<i>Hedysarum alpinum</i>	<i>Vaccinium uliginosum</i>
<i>Juncus albescens</i>	<i>V. vitis-idaea</i>
<i>Kobresia myosuroides</i>	



APPENDIX A8

Plant Species Summary by Community Type

Birch “Seep” Communities

<i>Anemone richardsonii</i>	<i>Eriophorum angustifolium</i>
<i>Andromeda polifolia</i>	<i>Empetrum nigrum</i>
<i>Arctagrostis latifolia</i>	<i>Equisetum arvense</i>
<i>Betula nana</i> (Syn.: <i>B. glandulosa</i>)	<i>Hypnogymania</i> sp. (?)
<i>Carex aquatilis</i>	<i>Juncus biglumis</i>
<i>C. atrofusca</i>	<i>Kobresia simpliciuscula</i>
<i>C. bigelowii</i>	<i>Lecidea</i> sp.
<i>C. capillaris</i>	<i>Ledum palustre</i> (Syn.: <i>L. decumbens</i>)
<i>C. rariflora</i>	<i>Luzula arctica</i> (Syn.: <i>L. nivalis</i>)
<i>C. rotundata</i>	<i>Orthilia secunda</i> (Syn.: <i>Pyrola secunda</i>)
<i>C. saxatilis</i>	<i>Peltigera aphosa</i>
<i>C. scirpoidea</i>	<i>Pyrola grandiflora</i>
<i>C. vaginata</i>	<i>Vaccinium uliginosum</i>
<i>Cladonia squamosa</i>	<i>V. vitis-idaea</i>

Lichen-rock Communities

<i>Anthoxanthum monticola</i> (Syn.: <i>Hierochloa alpina</i>)	<i>Haematomma lapponicum</i>
<i>Arctagrostis latifolia</i>	<i>Pseudephebe pubescens</i>
<i>Arctoparmelia centrifuga</i>	<i>Lecanora</i> sp.
<i>Arctostaphylos alpina</i>	<i>Lecidea</i> sp.
<i>Caloplaca</i> sp. (?)	<i>Luzula arctica</i> (Syn.: <i>L. nivalis</i>)
<i>Campanula uniflora</i>	<i>Racomitrium lanuginosum</i>
<i>Carex</i> sp.	<i>Rhizocarpon geminatum</i>
<i>C. membranacea</i>	<i>R. geographicum</i>
<i>Cetraria islandica</i>	<i>Saxifraga cernua</i>
<i>C. nivalis</i>	<i>S. rivularis</i>
<i>C. tilesii</i>	<i>S. tricuspidata</i>
<i>Cladina rangiferina</i>	<i>Stellaria longipes</i> (Syn.: <i>S. edwardsii</i>)
<i>C. stellaris</i>	<i>Tremolecia atrata</i>
<i>Cladonia</i> sp.	<i>Umbilicaria</i> sp.
<i>Cystopteris fragilis</i>	<i>Vaccinium vitis-idaea</i>
<i>Draba glabella</i>	<i>Woodsia</i> sp.
<i>D. lactea</i>	<i>Xanthoria</i> sp.
<i>Dryopteris fragrans</i>	



APPENDIX A8

Plant Species Summary by Community Type

Within each plant community type a series of subgroups, or plant associations, have been described that are based on field level observations. These units are not mappable, but data have been collected on representative plant species that are commonly associated with these non-mappable units and are presented in the following tables.

Ridge Complex, Crests

<u>Alectoria ochroleuca</u>	<u>Luzula arctica</u> (Syn.: <u>L. nivalis</u>)
<u>A. nigricans</u>	<u>L. confusa</u>
<u>Androsace septentrionalis</u>	<u>Minuartia rubella</u>
<u>Antennaria canescens</u>	<u>Papaver radicum</u>
<u>Arabis arenicola</u>	<u>Poa alpina</u>
<u>Arctostaphylos alpina</u>	<u>P. glauca</u>
<u>Artemisia borealis</u>	<u>Saxifraga tricuspidata</u>
<u>Carex rupestris</u>	<u>Silene acaulis</u>
<u>C. nardina</u>	<u>Trisetum spicatum</u>
<u>Dryas integrifolia</u>	<u>Umbilicaria sp.</u>
<u>Empetrum nigrum</u>	<u>Vaccinium uliginosum</u>
<u>Festuca brachyphylla</u>	<u>V. vitis-idaea</u>
<u>Ledum palustre</u> (Syn.: <u>L. decumbens</u>)	

Moss Communities

<u>Andromeda polifolia</u>	<u>Peltigera aphosa</u>
<u>Aulacomium sp. (?)</u>	<u>Pinguicula villosa</u>
<u>Cardamine digitata</u>	<u>Polygonum viviparum</u>
<u>Carex sp.</u>	<u>Rubus chamaemorus</u>
<u>Hypnum sp. (?)</u>	<u>Sphagnum sp. (?)</u>
<u>Ledum palustre</u> (Syn.: <u>L. decumbens</u>)	<u>Ranunculus pedatifidus</u>
<u>Nephroma arcticum</u>	<u>Vaccinium uliginosum</u>
<u>Pedicularis lapponica</u>	<u>V. vitis-idaea</u>

Snowbank Communities

<u>Anemone richardsonii</u>	<u>Phyllodoce coerulea</u>
<u>Betula nana</u> (Syn.: <u>B. glandulosa</u>)	<u>Poa arctica</u>
<u>Carex membranacea</u>	<u>Potentilla nivalis</u>
<u>C. scirpoidea</u>	<u>Ranunculus pygmaeus</u>
<u>Cassiope tetragona</u>	<u>Salix calcicola</u>
<u>Cerastium alpinum</u>	<u>S. herbacea</u>
<u>Empetrum nigrum</u>	<u>S. reticulata</u>
<u>Ledum decumbens</u>	<u>Vaccinium uliginosum</u>
<u>Oxyria digyna</u>	<u>V. vitis-idaea</u>



APPENDIX A8

Plant Species Summary by Community Type

Disturbed Sites (Nutrient-rich)	
<i>Antennaria alpina</i> (Syn.: <i>A. canescens</i>)	<i>Luzula arctica</i> (Syn.: <i>L. nivalis</i>)
<i>Astragalus alpinus</i>	<i>Tripleurospermum maritimum</i> (Syn.: <i>Matricaria ambigua</i>)
<i>Calamagrostis stricta</i> var. <i>stricta</i>	<i>Oxyria digyna</i>
<i>Carex aquatilis</i>	<i>Oxytropis arctica</i> ssp. <i>bellii</i> (Syn.: <i>O. bellii</i>)
<i>C. scirpoidea</i>	<i>O. maydelliana</i>
<i>Cerastium alpinum</i>	<i>Poa alpigena</i>
<i>Descurainia sophioides</i>	<i>P. alpina</i>
<i>Draba glabella</i>	<i>P. arctica</i>
<i>Draba lutea</i>	<i>Potentilla nivalis</i>
<i>Dryas integrifolia</i>	<i>Ranunculus pedatifidus</i>
<i>Leymus mollis</i> (Syn.: <i>Elymus arenarius</i> ssp. <i>mollis</i>)	<i>Salix calcicola</i>
<i>Chamerion latifolium</i> (Syn.: <i>Epilobium latifolium</i>)	<i>Salix</i> sp.
<i>Erigeron humilis</i>	<i>Stellaria longipes</i> (Syn.: <i>S. monantha</i>)
<i>Anthoxanthum monticola</i> (Syn.: <i>Hierochloa alpina</i>)	<i>Taraxacum officinale</i> (Syn.: <i>T. lacerum</i>)



APPENDIX B

Wildlife



APPENDIX B1

Caribou Aerial Survey Data

Table B1-1: Caribou Aerial Survey Data - 1998

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
20-May-98	4	-	-	-	528001	6991991
20-May-98	15	-	-	-	519201	6995541
19-Jun-99	1	-	-	-	521151	6991542
19-Jun-99	1	-	-	-	526601	7006991
19-Jun-99	1	-	-	-	517151	7002741
19-Jun-99	2	-	-	-	534701	6999491
19-Jun-99	5	-	-	-	547601	7003592
19-Jun-99	5	-	-	-	518551	7002241
17-Jul-99	4	-	-	-	533401	6997591
6-Sep-99	0	n/a	n/a	n/a	n/a	n/a
24-Oct-99	0	n/a	n/a	n/a	n/a	n/a

Note: "-" indicates not recorded, n/a = not applicable

Table B1-2: Caribou Aerial Survey Data - 1999

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
20-Mar-99	0	n/a	n/a	n/a	n/a	n/a
12-Apr-99	0	n/a	n/a	n/a	n/a	n/a
12-Jun-99	3	-	-	-	545201	6999292
23-Jul-99	162	-	-	-	547351	6974242
4-Sep-99	1	-	-	-	520571	6974992
4-Sep-99	3	-	-	-	545001	7003142
4-Sep-99	2	-	-	-	546851	7005492
4-Sep-99	2	-	-	-	532251	7009042
4-Sep-99	3	-	-	-	537101	7004892

Note: "-" indicates not recorded, n/a = not applicable

Table B1-3: Caribou Aerial Survey Data - 2000

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
28-Mar-00	15	-	-	-	523851	7010641
28-Mar-00	2	-	-	-	531101	7010291
28-Mar-00	15	-	-	-	532951	7010241
28-Mar-00	4	-	-	-	534451	7010291
28-Mar-00	6	-	-	-	535251	7010291
28-Mar-00	25	-	-	-	536001	7010291



APPENDIX B1

Caribou Aerial Survey Data

Table B1-3: Caribou Aerial Survey Data – 2000 (continued)

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
28-Mar-00	12	-	-	-	533751	7010391
28-Mar-00	13	-	-	-	537751	7010141
28-Mar-00	2	-	-	-	538600	7010291
28-Mar-00	8	-	-	-	541100	7010141
28-Mar-00	10	-	-	-	543700	7010491
28-Mar-00	12	-	-	-	523451	7006041
28-Mar-00	4	-	-	-	519201	7008241
28-Mar-00	8	-	-	-	517251	7004991
28-Mar-00	5	-	-	-	531851	6974642
28-Mar-00	23	-	-	-	520251	6978992
28-Mar-00	10	-	-	-	520451	6977892
28-Mar-00	5	-	-	-	513251	6990392
28-Mar-00	19	-	-	-	514501	6999041
28-Mar-00	22	-	-	-	515101	6999791
28-Mar-00	16	-	-	-	518201	6998541
28-Mar-00	59	-	-	-	519751	6998541
28-Mar-00	18	-	-	-	520501	6998391
28-Mar-00	23	-	-	-	522951	6998291
28-Mar-00	25	-	-	-	523851	6998241
28-Mar-00	11	-	-	-	525451	6997891
28-Mar-00	23	-	-	-	529851	7005491
28-Mar-00	29	-	-	-	534251	7005491
28-Mar-00	50	-	-	-	536751	7005891
28-Mar-00	9	-	-	-	538450	7005891
28-Mar-00	56	-	-	-	541000	7006291
28-Mar-00	12	-	-	-	548350	7007641
28-Mar-00	6	-	-	-	526201	7002991
28-Mar-00	30	-	-	-	534101	7002041
28-Mar-00	15	-	-	-	542200	7002291
28-Mar-00	30	-	-	-	543750	7002141
28-Mar-00	23	-	-	-	545200	7003141
28-Mar-00	16	-	-	-	545100	7002141
28-Mar-00	70	-	-	-	545200	7001141
28-Mar-00	38	-	-	-	530251	7002791
28-Mar-00	8	-	-	-	530951	7002641
28-Mar-00	10	-	-	-	541250	7006991
28-Mar-00	3	-	-	-	537001	7005041



APPENDIX B1

Caribou Aerial Survey Data

Table B1-3: Caribou Aerial Survey Data – 2000 (continued)

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
28-Mar-00	30	-	-	-	548450	7003891
28-Mar-00	5	-	-	-	548600	7003141
28-Mar-00	15	-	-	-	548600	7001241
28-Mar-00	25	-	-	-	527451	6998491
28-Mar-00	70	-	-	-	531701	6998891
28-Mar-00	100	-	-	-	532851	6998791
28-Mar-00	25	-	-	-	533101	6998791
28-Mar-00	28	-	-	-	533301	6998741
28-Mar-00	18	-	-	-	533501	6998741
28-Mar-00	43	-	-	-	533701	6998741
28-Mar-00	5	-	-	-	534601	6998841
28-Mar-00	10	-	-	-	539100	6998941
28-Mar-00	37	-	-	-	540350	6999041
28-Mar-00	8	-	-	-	546700	6998541
28-Mar-00	9	-	-	-	518801	6995041
28-Mar-00	65	-	-	-	520951	6995141
28-Mar-00	39	-	-	-	522651	6994941
28-Mar-00	22	-	-	-	526801	6994791
28-Mar-00	100	-	-	-	527551	6994741
28-Mar-00	30	-	-	-	530101	6994791
28-Mar-00	6	-	-	-	531651	6994741
28-Mar-00	19	-	-	-	535001	6995141
28-Mar-00	60	-	-	-	537000	6994991
28-Mar-00	25	-	-	-	537700	6994941
28-Mar-00	47	-	-	-	538450	6994791
28-Mar-00	19	-	-	-	538950	6994991
28-Mar-00	55	-	-	-	539450	6994941
28-Mar-00	70	-	-	-	543700	6994441
28-Mar-00	20	-	-	-	544550	6994441
28-Mar-00	11	-	-	-	545000	6994191
28-Mar-00	150	-	-	-	545500	6994541
28-Mar-00	75	-	-	-	545950	6994241
28-Mar-00	3	-	-	-	547500	6997191
28-Mar-00	3	-	-	-	547950	6996691
28-Mar-00	17	-	-	-	521201	6990841
28-Mar-00	50	-	-	-	522301	6990691
28-Mar-00	60	-	-	-	524751	6990592



APPENDIX B1

Caribou Aerial Survey Data

Table B1-3: Caribou Aerial Survey Data – 2000 (continued)

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
28-Mar-00	30	-	-	-	526651	6991142
28-Mar-00	80	-	-	-	526801	6990841
28-Mar-00	100	-	-	-	527001	6990941
28-Mar-00	28	-	-	-	529801	6991042
28-Mar-00	180	-	-	-	533001	6991041
28-Mar-00	120	-	-	-	533401	6991242
28-Mar-00	49	-	-	-	535801	6993241
28-Mar-00	75	-	-	-	533801	6991192
28-Mar-00	10	-	-	-	534201	6990841
28-Mar-00	70	-	-	-	536850	6991541
28-Mar-00	80	-	-	-	537700	6991441
28-Mar-00	15	-	-	-	539900	6991541
28-Mar-00	15	-	-	-	540300	6991441
28-Mar-00	66	-	-	-	544100	6994441
28-Mar-00	36	-	-	-	544300	6991842
28-Mar-00	250	-	-	-	548400	6992441
28-Mar-00	50	-	-	-	548900	6992342
28-Mar-00	200	-	-	-	548900	6991741
28-Mar-00	15	-	-	-	523651	6985442
28-Mar-00	25	-	-	-	524801	6985942
28-Mar-00	25	-	-	-	525301	6985642
28-Mar-00	40	-	-	-	527051	6985992
28-Mar-00	70	-	-	-	527351	6985792
28-Mar-00	28	-	-	-	529201	6986542
28-Mar-00	10	-	-	-	531751	6986442
28-Mar-00	4	-	-	-	546900	6985342
28-Mar-00	3	-	-	-	523151	6982342
28-Mar-00	5	-	-	-	534501	6982342
28-Mar-00	45	-	-	-	534651	6981592
28-Mar-00	6	-	-	-	534501	6979342
28-Mar-00	9	-	-	-	537501	6981942
28-Mar-00	12	-	-	-	538050	6981542
28-Mar-00	1	-	-	-	536401	6981642
16-Nov-00	9	-	-	-	544800	6978842
16-Nov-00	12	-	-	-	539900	6981692
16-Nov-00	14	-	-	-	540400	6981742
16-Nov-00	3	-	-	-	543350	6994891



APPENDIX B1

Caribou Aerial Survey Data

Table B1-3: Caribou Aerial Survey Data – 2000 (continued)

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
16-Nov-00	25	-	-	-	540950	6995041
16-Nov-00	1	-	-	-	536651	6998641
16-Nov-00	5	-	-	-	528651	6994841
16-Nov-00	4	-	-	-	543050	7004791

Note: "-" indicates not recorded

Table B1-4: Caribou Aerial Survey Data – 2008

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
12-Jun-08	3	adult	S	HT	509840	6979198
12-Jun-08	1	adult	S	HT	509082	7026191
12-Jun-08	2	adult	R	HT	522387	6952652
13-Jun-08	4	adult	W	HT	533195	7029392
13-Jun-08	3	adult	B	HT	537519	7030532
13-Jun-08	1	adult	S	HT	537729	7017534
13-Jun-08	3	adult	B	HT	545194	7029842
13-Jun-08	1	adult	S	SW	545227	7027842
13-Jun-08	3	adult	S	HT	545324	7021842
13-Jun-08	1	adult	W	SW	549551	7029434
13-Jun-08	1	adult	S	SW	549664	7022435
13-Jun-08	2	adult	S	HT	549955	7004436
13-Jun-08	2	adult	S	HT	555800	6979442
13-Jun-08	2	adult	W	SW	557350	7015641
13-Jun-08	3	adult	W	SW	556850	7032741
13-Jun-08	2	adult	S	HT	562148	6995938
13-Jun-08	1	adult	S	HT	574469	6984140
13-Jun-08	1	adult	W	HT	581032	7020841
17-Jun-08	11	adult	S	HT	497115	7011043
17-Jun-08	7	adult	W	SW	510210	6956202
17-Jun-08	6	adult	W	HBo	509921	6974200
17-Jun-08	2	adult	W	SW	509888	6976199
17-Jun-08	2	adult	R	HT	522499	6945653
17-Jun-08	3	adult	S	HT	522467	6947653
17-Jun-08	2	adult	S	HT	522275	6959651
17-Jun-08	1	adult	B	HT	522066	6972650
17-Jun-08	8	adult	S	HT	521179	7027642
17-Jun-08	1	adult	S	HT	521017	7037641



APPENDIX B1

Caribou Aerial Survey Data

Table B1-4: Caribou Aerial Survey Data – 2008 (continued)

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
17-Jun-08	2	adult	S	SW	539163	7031942
17-Jun-08	5	adult	S	HT	539195	7029942
17-Jun-08	16	adult	W	HT	539243	7026942
17-Jun-08	3	adult	S	SW	546339	6958849
17-Jun-08	1	adult	S	SW	546275	6962849
17-Jun-08	3	adult	S	SW	545292	7023843
17-Jun-08	5	adult	S	SW	558451	6948949
17-Jun-08	3	adult	S	HT	557065	7034941
21-Jul-08	2000	nursery	S	E	503027	6999915
21-Jul-08	300	adult	F	E	503020	6996865
21-Jul-08	200	adult	F	HBo	503037	6994885
21-Jul-08	3	adult	W	HT	503020	6993209
21-Jul-08	2000	nursery	S	HT	503017	699168
21-Jul-08	2	nursery	W	HT	508986	6970182
21-Jul-08	1000	nursery	S	HT	508982	6974478
21-Jul-08	36	nursery	S	HT	508995	6989225
21-Jul-08	12	adult	W	HT	515003	6956326
21-Jul-08	1	adult	F	HT	520297	6954596
21-Jul-08	18	adult	R	HT	520994	6971145
21-Jul-08	40	nursery	F	HT	503008	6988488
21-Jul-08	120	nursery	F	HT	503000	6978074
21-Jul-08	12	nursery	B	HT	508959	6975487
21-Jul-08	1	adult	W	HT	508983	6983878
21-Jul-08	70	nursery	F	HT	515033	6975127
21-Jul-08	50	nursery	W	HT	515013	6960886
21-Jul-08	25	nursery	F	HT	515008	6957179
21-Jul-08	25	nursery	F	HT	515011	6955550
21-Jul-08	4	nursery	F	SW	514993	6951297
22-Jul-08	1	nursery	F	SW	545022	7042065

Note: B=bedded, F=feeding, W=walking, R=running, S=standing; HT=heath tundra, SW=sedge wetland, HBo=heath boulder, E=esker

Table B1-5: Caribou Serial Survey Data 2009

Date	Number	Group Composition	Behaviour	Habitat	UTM Zone 15 NAD 83	
					Easting	Northing
19-May-09	4	adult	T	Snow	556810	7035923



APPENDIX B2

Fox Den Survey Data

Table B2-1: Fox Den Survey Data

Fox Den Number	UTM Zone 15 NAD 83		Observed		Active		Pups Raised	
	Easting	Northing	1998	2008	1998	2008	1998	2008
1998-01	543742	6986022	√		√		√	
1998-02	543687	6985809	√		√			
1998-03	543219	6985676	√		√		√	
2008-01	543742	6986022		√		√		
2008-02	543687	6985809		√				
2008-03	543219	6985676		√				
2008-04	543654	6986075		√				
2008-05	543727	6985682		√				
2008-06	543570	6985417		√				
2008-07	538494	6986145		√				
2008-08	539257	6988764		√				
2008-09	539455	6988764		√				
1998-04 / 2008-10	540462	6986349	√	√	√			
2008-11	543695	6986236		√				
2008-12	520851	6974642		√				
2008-13	520701	6963943		√				
2008-14	533301	7024490		√				
2008-15	542584	6984482		√				
2008-16	541479	6987180		√				
2008-17	549668	6980893		√				
2008-18	541201	6988792		√		√		
2008-19	517305	6975377		√				
2008-20	528064	6975693		√				
2008-21	564391	6998709		√				



APPENDIX B3

Raptor Survey Data

Table B3-1: Raptor Survey Data

Field Name of Nest	Species	Report Name of Nest	UTM Zone 15 NAD 83		1998	1999	2000	2008	2009
			Easting	Northing					
RLHA1	Rough-legged Hawk	A08-01	539067	6990610	Occupied	Occupied	Occupied	Occupied	Unoccupied
UNKN4	Rough-legged Hawk	A08-05 A	541180	6991881	-	-	-	Unoccupied	Occupied
UNKN3	Rough-legged Hawk	A08-04 A	541413	6991587	-	-	-	Unoccupied	Occupied
PEFA4	Peregrine Falcon	B09-01	547223	6990519	-	-	-	-	Occupied
RLHA7	Rough-legged Hawk	C09-01	542854	6984546	-	-	-	-	Occupied
SHOW1	Short-eared Owl	C08-01	539253	6986433	-	-	-	Unoccupied	-
RLHA2	Rough-legged Hawk	E08-01	554519	6981459	-	-	-	Unoccupied	-
UNKN2	Unknown raptor	G08-02	546212	6972309	-	-	-	Unoccupied	-
UNKN1	Unknown raptor	G08-01	538851	6965842	-	-	-	Unoccupied	-
PEFA1	Peregrine Falcon	F08-01	548111	6977843	-	-	-	Occupied	-
RLHA3	Rough-legged Hawk	A08-02	541061	6992004	-	-	-	Occupied	-
RLHA4	Rough-legged Hawk	A08-03	541663	6991524	-	-	-	Occupied	-
RLHA5	Rough-legged Hawk	B08-01	548190	6989362	-	-	-	Occupied	-
RLHA6	Rough-legged Hawk	B08-02	546950	6990506	-	-	-	Occupied	Unoccupied
UNKN5	Unknown raptor	B08-05	546195	6990334	-	-	-	Unoccupied	-
UNKN6	Unknown raptor	D08-02	550527	6982569	-	-	-	Unoccupied	-
PEFA2	Peregrine Falcon	D08-01	550593	6982562	-	-	-	Occupied	-
UNKN7	Unknown raptor	F08-03	548226	6977732	-	-	-	Unoccupied	-
PEFA3	Peregrine Falcon	F08-02	548107	6977852	-	-	-	Occupied	-
UNKN8	Unknown raptor	F08-04	547729	6978126	-	-	-	Unoccupied	-



APPENDIX B3

Raptor Survey Data

Table B3-1: Raptor Survey Data (continued)

Field Name of Nest	Species	Report Name of Nest	UTM Zone 15 NAD 83		1998	1999	2000	2008	2009
			Easting	Northing					
13	Peregrine Falcon	H98-01	539401	6978092	Occupied/Unoccupied*	-	Occupied	-	-
4	Peregrine Falcon	H98-02	535901	6979342	Unoccupied	-	-	-	-
14	Peregrine Falcon	G98-01	544301	6971842	Occupied/Unoccupied*	-	-	-	-
15	Peregrine Falcon	G98-02	542451	6970192	Occupied/Unoccupied*	-	-	-	-
6	Rough-legged Hawk	G98-03	538301	6965643	-	-	-	-	-
1	Gyrfalcon	A98-01	537751	6991992	Unoccupied	-	Unoccupied	-	-
2	Peregrine Falcon	A98-02	542151	6991142	Unoccupied	Occupied	Unoccupied	-	-
5	Peregrine Falcon	A98-03	541901	6991392	Unoccupied	-	Unoccupied	-	-
10	Rough-legged Hawk	J98-01	533851	6988542	Occupied/Unoccupied*	-	Occupied	-	-
8	Rough-legged Hawk	J98-02	533301	6988042	Unoccupied	-	Occupied	-	-
11	Gyrfalcon	A98-04	539301	6993292	Unoccupied	-	-	-	-
12	Peregrine Falcon	A98-05	539601	6993242	Unoccupied	-	-	-	-
-	Rough-legged Hawk	C00-01	542701	6983142	-	-	Unoccupied	-	-
-	Rough-legged Hawk	J00-01	530551	6990442	-	-	Unoccupied	-	-
-	Peregrine Falcon	K99-01	unknown		-	Occupied	-	-	-
-	Peregrine Falcon	M99-01	unknown		-	Occupied	-	-	-
-	Rough-legged Hawk	N99-01	unknown		-	Occupied	-	-	-

Note: "-" indicates not located; "*" indicates nest occupied early in the season (May/June) but unoccupied by July



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8001	541533	6988623	HT	12-Jun-08	03:56	5	2	E	0-1	Horned Lark	HOLA	2	<50 m (0-3 min)	Meliadine West
CM8001	541533	6988623	HT	12-Jun-08	03:56	5	2	E	0-1	Horned Lark	HOLA	1	<50 m (3-5 min)	Meliadine West
CM8001	541533	6988623	HT	12-Jun-08	03:56	5	2	E	0-1	Unidentified bird spp.	UNKN	1	fly-over (0-3 min)	Meliadine West
CM8001	541533	6988623	HT	12-Jun-08	03:48	0	2	W	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8002	541669	6988908	HT	12-Jun-08	03:48	0	2	W	1	Horned Lark	HOLA	2	<50 m (0-3 min)	Meliadine West
CM8003	541379	6988763	HT	12-Jun-08	04:14	5	2	E	2	Horned Lark	HOLA	1	>50 m (3-10 min)	Meliadine West
CM8003	541379	6988763	HT	12-Jun-08	04:14	5	2	E	2	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8003	541379	6988763	HT	12-Jun-08	04:14	5	2	E	2	Lapland Longspur	LALO	1	<50 m (3-5 min)	Meliadine West
CM8004	54146	6988978	HT	12-Jun-08	04:04	0	10	N	1	Horned Lark	HOLA	2	>50 m (0-3 min)	Meliadine West
CM8004	54146	6988978	HT	12-Jun-08	04:04	0	10	N	1	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	Meliadine West
CM8005	541194	6988852	HT	12-Jun-08	04:30	8	5	E	1	Horned Lark	HOLA	1	<50 m (3-5 min)	Meliadine West
CM8005	541194	6988852	HT	12-Jun-08	04:30	8	5	E	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8005	541194	6988852	HT	12-Jun-08	04:30	8	5	E	1	Lapland Longspur	LALO	2	fly-over (3-5 min)	Meliadine West
CM8005	541194	6988852	HT	12-Jun-08	04:30	8	5	E	1	Lapland Longspur	LALO	1	fly-over (0-3 min)	Meliadine West
CM8005	541194	6988852	HT	12-Jun-08	04:30	8	5	E	1	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8006	541260	6989053	HT	12-Jun-08	04:18	0	5	N	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8006	541260	6989053	HT	12-Jun-08	04:18	0	5	N	1	Lapland Longspur	LALO	2	<50 m (0-3 min)	Meliadine West
CM8007	541008	6988940	HT	12-Jun-08	04:43	8	0		1	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8007	541008	6988940	HT	12-Jun-08	04:43	8	0		1	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8007	541008	6988940	HT	12-Jun-08	04:43	8	0		1	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8007	541008	6988940	HT	12-Jun-08	04:43	8	0		1	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8007	541008	6988940	HT	12-Jun-08	04:43	8	0		1	Savannah Sparrow	SAVS	1	fly-over (0-3 min)	Meliadine West
CM8008	541052	6989131	HT	12-Jun-08	04:32	2	5	N	0	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8008	541052	6989131	HT	12-Jun-08	04:32	2	5	N	0	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8009	540845	6989059	HT	12-Jun-08	05:03	7	5	E	2	Horned Lark	HOLA	2	>50 m (0-3 min)	Meliadine West
CM8009	540845	6989059	HT	12-Jun-08	05:03	7	5	E	2	Lapland Longspur	LALO	2	<50 m (0-3 min)	Meliadine West
CM8009	540845	6989059	HT	12-Jun-08	05:03	7	5	E	2	Lapland Longspur	LALO	1	fly-over (0-3 min)	Meliadine West
CM8010	540853	6989210	HT	12-Jun-08	04:44	2	15	N	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8010	540853	6989210	HT	12-Jun-08	04:44	2	15	N	1	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8011	540684	6989178	HT	12-Jun-08	05:12	7	-1	W	2	Lapland Longspur	LALO	1	fly-over (0-3 min)	Meliadine West
CM8011	540684	6989178	HT	12-Jun-08	05:12	7	-1	W	2	Unidentified bird spp.	UNKN	2	fly-over (3-5 min)	Meliadine West
CM8012	540677	6989411	TH	12-Jun-08	04:59	2	<5	N	1	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8012	540677	6989411	TH	12-Jun-08	04:59	2	<5	N	1	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8013	540523	6989304	TH	12-Jun-08	05:37	7	0		2	Horned Lark	HOLA	1	<50 m (3-5 min)	Meliadine West
CM8013	540523	6989304	TH	12-Jun-08	05:37	7	0		2	Lapland Longspur	LALO	1	<50 m (3-5 min)	Meliadine West
CM8013	540523	6989304	TH	12-Jun-08	05:37	7	0		2	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	Meliadine West
CM8013	540523	6989304	TH	12-Jun-08	05:37	7	0		2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8014	540528	6989565	HT	12-Jun-08	05:16	3	5	NW	1	Redpoll Species	RESP	1	fly-over (0-3 min)	Meliadine West
CM8014	540528	6989565	HT	12-Jun-08	05:16	3	5	NW	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8014	540528	6989565	HT	12-Jun-08	05:16	3	5	NW	1	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8015	540348	6989406	HT	12-Jun-08	05:52	7	0		2	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8015	540348	6989406	HT	12-Jun-08	05:52	7	0		2	Unidentified bird spp.	UNKN	2	>50 m (0-3 min)	Meliadine West
CM8016	540433	6989748	HT	12-Jun-08	05:35	3	5	N	1	American Pipit	AMPI	3	<50 m (0-3 min)	Meliadine West
CM8016	540433	6989748	HT	12-Jun-08	05:35	3	5	N	1	White-Crowned Sparrow	WCSP	1	<50 m (0-3 min)	Meliadine West
CM8017	540195	6989543	SW	12-Jun-08	06:05	8	0		1	Horned Lark	HOLA	2	<50 m (3-5 min)	Meliadine West
CM8017	540195	6989543	SW	12-Jun-08	06:05	8	0		1	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8017	540195	6989543	SW	12-Jun-08	06:05	8	0		1	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8017	540195	6989543	SW	12-Jun-08	06:05	8	0		1	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8018	540260	6989900	HBou	12-Jun-08	06:00	4	20	N	2	Horned Lark	HOLA	2	<50 m (3-5 min)	Meliadine West
CM8018	540260	6989900	HBou	12-Jun-08	06:00	4	20	N	2	Snow Bunting	SNBU	3	<50 m (0-3 min)	Meliadine West
CM8019	539999	6989519	HT	12-Jun-08	06:24	8	0		2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8020	540051	6989933	HBou	12-Jun-08	06:12	3	20	N	3	Semipalmated Plover	SEPL	1	<50 m (0-3 min)	Meliadine West
CM8021	539850	6989659	HT	12-Jun-08	06:39	7	0		2	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8022	540110	6989687	HT	12-Jun-08	06:29	5	5	W	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8022	540110	6989687	HT	12-Jun-08	06:29	5	5	W	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8022	540110	6989687	HT	12-Jun-08	06:29	5	5	W	2	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	Meliadine West
CM8023	539754	6988688	SW	13-Jun-08	02:56	5	<5	NE	2	Unidentified bird spp.	UNKN	1	>50 m (0-3 min)	Meliadine West
CM8024	539642	6988829	SW	13-Jun-08	02:53	3	0		2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8025	539587	6988526	HT	13-Jun-08	03:11	5	5	E	2	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8026	539454	6988695	HT	13-Jun-08	03:04	3	<5	N	2	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8027	539443	6988421	HT	13-Jun-08	03:23	5	5	W	2	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8028	539251	6988594	HT	13-Jun-08	03:16	2	0		1	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8028	539251	6988594	HT	13-Jun-08	03:16	2	0		1	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8029	539334	6988248	HT	13-Jun-08	03:37	5	2	SW	2	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8029	539334	6988248	HT	13-Jun-08	03:37	5	2	SW	2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8030	539081	6988450	HT	13-Jun-08	03:29	2	5	S	2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8031	539246	6988123	SW	13-Jun-08	03:57	6	0		3	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8031	539246	6988123	SW	13-Jun-08	03:57	6	0		3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8032	538857	6988357	HT	13-Jun-08	03:42	3	<5	N	3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8033	539069	6987908	SW	13-Jun-08	04:12	6	0		2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8033	539069	6987908	SW	13-Jun-08	04:12	6	0		2	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	Meliadine West
CM8033	539069	6987908	SW	13-Jun-08	04:12	6	0		2	Unidentified bird spp.	UNKN	1	fly-over (3-5 min)	Meliadine West
CM8034	538755	6988175	SW	13-Jun-08	03:40	3	0		2	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8034	538755	6988175	SW	13-Jun-08	03:40	3	0		2	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8034	538755	6988175	SW	13-Jun-08	03:40	3	0		2	Savannah Sparrow	SAVS	3	<50 m (0-3 min)	Meliadine West
CM8035	538979	6987729	SW	13-Jun-08	04:32	6	0		2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8035	538979	6987729	SW	13-Jun-08	04:32	6	0		2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8035	538979	6987729	SW	13-Jun-08	04:32	6	0		2	Savannah Sparrow	SAVS	2	<50 m (0-3 min)	Meliadine West
CM8036	538796	6987979	SW	13-Jun-08	04:06	3	0		2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8036	538796	6987979	SW	13-Jun-08	04:06	3	0		2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8037	538866	6987555	HT	13-Jun-08	04:47	7	0		2	Lapland Longspur	LALO	3	<50 m (0-3 min)	Meliadine West
CM8037	538866	6987555	HT	13-Jun-08	04:47	7	0		2	Unidentified bird spp.	UNKN	2	fly-over (3-5 min)	Meliadine West
CM8038	538719	6987769	SW	13-Jun-08	04:23	2	0		2	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8039	539052	6987475	HT	13-Jun-08	05:15	6	<5	SW	3	Lapland Longspur	LALO	3	<50 m (0-3 min)	Meliadine West
CM8040	538532	6987658	HT	13-Jun-08	04:35	2	0		2	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8041	539250	6987427	HT	13-Jun-08	05:29	6	2	W	3	Lapland Longspur	LALO	3	>50 m (3-5 min)	Meliadine West
CM8042	538636	6987477	HT	13-Jun-08	04:51	2	<5	S	2	Savannah Sparrow	SAVS	2	<50 m (0-3 min)	Meliadine West
CM8043	539418	6987272	HT	13-Jun-08	05:44	7	1	E/SE	3	Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8043	539418	6987272	HT	13-Jun-08	05:44	7	1	E/SE	3	Lark Sparrow	LASP	3	fly-over (3-5 min)	Meliadine West
CM8044	538810	6987348	HT	13-Jun-08	05:04	2	<5	S	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8045	539580	6987147	HT	13-Jun-08	06:02	7	5	SW	4	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8046	538991	6987207	TH	13-Jun-08	05:20	2	<5	s	2	Horned Lark	HOLA	1	<50 m (3-5 min)	Meliadine West
CM8046	538991	6987207	TH	13-Jun-08	05:20	2	<5	s	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8046	538991	6987207	TH	13-Jun-08	05:20	2	<5	s	2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8047	539721	6986993	HT	13-Jun-08	06:17	7	3	SW	5	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8048	539083	6987015	TH	13-Jun-08	05:32	2	0		2	Least Sandpiper	LESA	2	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8048	539083	6987015	TH	13-Jun-08	05:32	2	0		2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8049	539852	6986830	HT	13-Jun-08	06:35	7	0		4-5	Unidentified bird spp.	UNKN	2	>50 m (3-5 min)	Meliadine West
CM8050	539153	6986826	SW	13-Jun-08	05:45	0	0		3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8051	539994	6986772	SW	13-Jun-08	06:48	8	0	NW	4-5	Unidentified bird spp.	UNKN	1	<50 m (0-3 min)	Meliadine West
CM8052	539181	6986614	HT	13-Jun-08	05:58		<5	SW	3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8053	541719	6988610	HT	14-Jun-08	04:58	6	0		1	Horned Lark	HOLA	5	<50 m (0-3 min)	Meliadine West
CM8053	541719	6988610	HT	14-Jun-08	04:58	6	0		1	Lapland Longspur	LALO	2	fly-over (3-5 min)	Meliadine West
CM8053	541719	6988610	HT	14-Jun-08	04:58	6	0		1	Lapland Longspur	LALO	2	<50 m (0-3 min)	Meliadine West
CM8054	539280	6986373	TH	14-Jun-08	06:21	0	5	sw	3	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8055	541814	6988435	HT	14-Jun-08	05:16	6	1	s/se	1	Horned Lark	HOLA	2	<50 m (3-5 min)	Meliadine West
CM8055	541814	6988435	HT	14-Jun-08	05:16	6	1	s/se	1	Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8055	541814	6988435	HT	14-Jun-08	05:16	6	1	s/se	1	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8055	541814	6988435	HT	14-Jun-08	05:16	6	1	s/se	1	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8055	541814	6988435	HT	14-Jun-08	05:16	6	1	s/se	1	Lapland Longspur	LALO	1	<50 m (3-5 min)	Meliadine West
CM8056	539353	6986171	HT	14-Jun-08	06:33	0	5	sw	5	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8057	541920	6988262	HT	14-Jun-08	05:35	8	0		0	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8057	541920	6988262	HT	14-Jun-08	05:35	8	0		0	Lapland Longspur	LALO	1	<50 m (3-5 min)	Meliadine West
CM8057	541920	6988262	HT	14-Jun-08	05:35	8	0		0	Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8057	541920	6988262	HT	14-Jun-08	05:35	8	0		0	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8057	541920	6988262	HT	14-Jun-08	05:35	8	0		0	Savannah Sparrow	SAVS	2	>50 m (3-5 min)	Meliadine West
CM8058	541986	6988804	HT	14-Jun-08	04:46	2	10	N	1	American Pipit	AMPI	1	<50 m (3-5 min)	Meliadine West
CM8058	541986	6988804	HT	14-Jun-08	04:46	2	10	N	1	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8058	541986	6988804	HT	14-Jun-08	04:46	2	10	N	1	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8059	542023	6988085	HT	14-Jun-08	05:49	6	0		1	Lapland Longspur	LALO	2	>50 m (3-5 min)	Meliadine West
CM8059	542023	6988085	HT	14-Jun-08	05:49	6	0		1	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8059	542023	6988085	HT	14-Jun-08	05:49	6	0		1	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8059	542023	6988085	HT	14-Jun-08	05:49	6	0		1	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8060	542072	6988618	HT	14-Jun-08	05:00	1	5	S		Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8060	542072	6988618	HT	14-Jun-08	05:00	1	5	S		Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8060	542072	6988618	HT	14-Jun-08	05:00	1	5	S		Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8061	542130	6987911	HT	14-Jun-08	06:03	61	N/NW	1		Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8061	542130	6987911	HT	14-Jun-08	06:03	61	N/NW	1		Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8061	542130	6987911	HT	14-Jun-08	06:03	61	N/NW	1		Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8062	542202	6988451	HT	14-Jun-08	05:13	2	10	S	1	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8062	542202	6988451	HT	14-Jun-08	05:13	2	10	S	1	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8062	542202	6988451	HT	14-Jun-08	05:13	2	10	S	1	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	Meliadine West
CM8063	542266	6987757	HT	14-Jun-08	06:16	6	1	N/NW	1	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8063	542266	6987757	HT	14-Jun-08	06:16	6	1	N/NW	1	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8064	542370	6988328	HT	14-Jun-08	05:28	2	5	S	3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8064	542370	6988328	HT	14-Jun-08	05:28	2	5	S	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8064	542370	6988328	HT	14-Jun-08	05:28	2	5	S	3	Savannah Sparrow	SAVS	1	fly-over (0-3 min)	Meliadine West
CM8065	542425	6987623	HT	14-Jun-08	06:29	6	0		2-3	Horned Lark	HOLA	1	<50 m (3-5 min)	Meliadine West
CM8065	542425	6987623	HT	14-Jun-08	06:29	6	0		2-3	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8065	542425	6987623	HT	14-Jun-08	06:29	6	0		2-3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8065	542425	6987623	HT	14-Jun-08	06:29	6	0		2-3	Lapland Longspur	LALO	1	fly-over (0-3 min)	Meliadine West
CM8066	542532	6988187	HT	14-Jun-08	05:44	2	5	S	2	Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8066	542532	6988187	HT	14-Jun-08	05:44	2	5	S	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8067	542551	6987455	SW	14-Jun-08	06:42	6	0		2	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8067	542551	6987455	SW	14-Jun-08	06:42	6	0		2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8068	542641	6988002	SW	14-Jun-08	05:58	2	0		2	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8068	542641	6988002	SW	14-Jun-08	05:58	2	0		2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8068	542641	6988002	SW	14-Jun-08	05:58	2	0		2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8069	542614	6987263	HT	14-Jun-08	07:08	6	1	NE	2-3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8069	542614	6987263	HT	14-Jun-08	07:08	6	1	NE	2-3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8069	542614	6987263	HT	14-Jun-08	07:08	6	1	NE	2-3	Unidentified bird spp.	UNKN	1	>50 m (3-5 min)	Meliadine West
CM8070	542803	6987872	TH	14-Jun-08	06:12	8	<5	E	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8070	542803	6987872	TH	14-Jun-08	06:12	8	<5	E	1	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8071	542728	6987092	HT	14-Jun-08	07:21	60	1	N/NW	2-3	Horned Lark	HOLA	1	fly-over (3-5 min)	Meliadine West
CM8071	542728	6987092	HT	14-Jun-08	07:21	60	1	N/NW	2-3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8072	542858	6987627	SW	14-Jun-08	06:28	1	0		3	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8072	542858	6987627	SW	14-Jun-08	06:28	1	0		3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8072	542858	6987627	SW	14-Jun-08	06:28	1	0		3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8072	542858	6987627	SW	14-Jun-08	06:28	1	0		3	Unidentified bird spp.	UNKN	1	fly-over (0-3 min)	Meliadine West
CM8073	542798	6986908	HT	14-Jun-08	07:39	6	0		2-3	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8073	542798	6986908	HT	14-Jun-08	07:39	6	0		2-3	Lapland Longspur	LALO	2	>50 m (3-5 min)	Meliadine West
CM8073	542798	6986908	HT	14-Jun-08	07:39	6	0		2-3	Unidentified bird spp.	UNKN	1	<50 m (0-3 min)	Meliadine West
CM8074	542955	6987432	HT	14-Jun-08	06:48	3	5	E	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8074	542955	6987432	HT	14-Jun-08	06:48	3	5	E	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8075	542895	6986721	HT	14-Jun-08	07:54	7	0	S	2-3	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8075	542895	6986721	HT	14-Jun-08	07:54	7	0	S	2-3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8075	542895	6986721	HT	14-Jun-08	07:54	7	0	S	2-3	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8076	543189	6987363	SW	14-Jun-08	07:06	4	<5	N	2	Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8077	542965	6986462	TH	14-Jun-08	08:19	7	0		3	Lapland Longspur	LALO	2	<50 m (0-3 min)	Meliadine West
CM8078	543371	6987225	SW	14-Jun-08	07:18	4	0		3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8079	543132	6986206	SW	14-Jun-08	08:39	7	0		3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8079	543132	6986206	SW	14-Jun-08	08:39	7	0		3	Least Sandpiper	LESA	1	fly-over (0-3 min)	Meliadine West
CM8079	543132	6986206	SW	14-Jun-08	08:39	7	0		3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8080	543532	6987085	SW	14-Jun-08	07:38	4	0		2	Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8080	543532	6987085	SW	14-Jun-08	07:38	4	0		2	Least Sandpiper	LESA	1	<50 m (0-3 min)	Meliadine West
CM8080	543532	6987085	SW	14-Jun-08	07:38	4	0		2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8081	543159	6986002	HT	14-Jun-08	09:02	7	>5	NW	3	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8082	543729	6987018	HT	14-Jun-08	07:55	4	<5	N	3	Lapland Longspur	LALO	3	<50 m (0-3 min)	Meliadine West
CM8082	543729	6987018	HT	14-Jun-08	07:55	4	<5	N	3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8083	543682	6986714	HT	14-Jun-08	06:00	4	2	NW	3-4	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8084	543884	6986885	HT	14-Jun-08	08:07	3	<5	N	4	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8084	543884	6986885	HT	14-Jun-08	08:07	3	<5	N	4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8085	539719	6988886	HT	14-Jun-08	06:24	2	<5	SE	3-4	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8086	543970	6986735	SW	14-Jun-08	08:18	4	0		3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8086	543970	6986735	SW	14-Jun-08	08:18	4	0		3	Least Sandpiper	LESA	1	<50 m (0-3 min)	Meliadine West
CM8086	543970	6986735	SW	14-Jun-08	08:18	4	0		3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8087	539538	6988990	SW	14-Jun-08	06:38	3	0		3-4	Savannah Sparrow	SAVS	2	<50 m (0-3 min)	Meliadine West
CM8088	544103	6986558	HT	14-Jun-08	08:30	4	5	NW	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8089	539410	6989146	HT	14-Jun-08	06:50	3	2	SE	4-5	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8089	539410	6989146	HT	14-Jun-08	06:50	3	2	SE	4-5	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8089	539410	6989146	HT	14-Jun-08	06:50	3	2	SE	4-5	Unidentified bird spp.	UNKN	1	fly-over (0-3 min)	Meliadine West
CM8090	544108	6986346	HT	14-Jun-08	08:38	4	10	N	4	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8090	544108	6986346	HT	14-Jun-08	08:38	4	10	N	4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8091	539307	6989321	HT	14-Jun-08	04:00	5	1	S/SE	4	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8091	539307	6989321	HT	14-Jun-08	04:00	5	1	S/SE	4	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8092	544116	6986100	ES	14-Jun-08	08:59	4	5	S	4	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8092	544116	6986100	ES	14-Jun-08	08:59	4	5	S	4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8092	544116	6986100	ES	14-Jun-08	08:59	4	5	S	4	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8093	539188	6989490	HT	14-Jun-08	07:10	5	2-3	W	4	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8094	543893	6986131	TH	14-Jun-08	09:14	4	<5	S	4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8094	543893	6986131	TH	14-Jun-08	09:14	4	<5	S	4	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8095	539074	6989630	TH	15-Jun-08	07:22	4	0		4	Herring Gull	HERG	1	fly-over (0-3 min)	Meliadine West
CM8095	539074	6989630	TH	15-Jun-08	07:22	4	0		4	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8095	539074	6989630	TH	15-Jun-08	07:22	4	0		4	Unidentified bird spp.	UNKN	1	>50 m (3-5 min)	Meliadine West
CM8096	543516	6987029	HT	15-Jun-08	05:52	0	5	N	5	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8096	543516	6987029	HT	15-Jun-08	05:52	0	5	N	5	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8097	538951	6989797	HT	15-Jun-08	07:37	5	1	N	4-5	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8098	539812	6989087	SW	15-Jun-08	06:26	0	0		4	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8098	539812	6989087	SW	15-Jun-08	06:26	0	0		4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8099	538832	6989965	TH	15-Jun-08	07:53	6	0		4-5	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8100	539616	6989172	SW	15-Jun-08	06:43	0			4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8100	539616	6989172	SW	15-Jun-08	06:43	0			4	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8101	541196	6988320	TH	15-Jun-08	05:00	4	0		4-5	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8102	539520	6989376	SW	15-Jun-08	06:54	0	0		4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8103	541145	6988119	HT	16-Jun-08	05:13	4	2	N	4-5	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8103	541145	6988119	HT	16-Jun-08	05:13	4	2	N	4-5	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8104	539350	6989562	SW	15-Jun-08	07:07	2	0		4	Lapland Longspur	LALO	1	fly-over (0-3 min)	Meliadine West
CM8104	539350	6989562	SW	15-Jun-08	07:07	2	0		4	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8105	541075	6987955	TH	16-Jun-08	05:23	4	0		4-5	Lapland Longspur	LALO	1	<50 m (3-5 min)	Meliadine West
CM8105	541075	6987955	TH	16-Jun-08	05:23	4	0		4-5	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	Meliadine West
CM8106	539261	6989800	SW	16-Jun-08	07:21	4	0		4	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8106	539261	6989800	SW	16-Jun-08	07:21	4	0		4	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8106	539261	6989800	SW	16-Jun-08	07:21	4	0		4	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8107	541074	6987756	HT	16-Jun-08	05:37	4	4	S	4-5	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8107	541074	6987756	HT	16-Jun-08	05:37	4	4	S	4-5	Lapland Longspur	LALO	2	>50 m (3-5 min)	Meliadine West
CM8108	539100	6989945	TH	15-Jun-08	07:36	3	0		4	Unidentified Bird Spp.	UNKN	0	-	Meliadine West
CM8109	541130	6987563	HT	16-Jun-08	05:48	4	3		4-5	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8109	541130	6987563	HT	16-Jun-08	05:48	4	3		4-5	Lapland Longspur	LALO	3	>50 m (0-3 min)	Meliadine West
CM8109	541130	6987563	HT	16-Jun-08	05:48	4	3		4-5	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8110	538957	6990096	TH	15-Jun-08	07:51	3	<5	S	4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8110	538957	6990096	TH	15-Jun-08	07:51	3	<5	S	4	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8111	541201	6987380	TH	16-Jun-08	06:04	4	0		4-5	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Meliadine West
CM8111	541201	6987380	TH	16-Jun-08	06:04	4	0		4-5	Unidentified Bird Spp.	UNKN	1	>50 m (3-5 min)	Meliadine West
CM8112	538891	6990302	ES	15-Jun-08	07:59	3	10	SE	5	Unidentified Bird Spp.	UNKN	0	-	Meliadine West
CM8113	555114	6978386	HT	18-Jun-08	03:41	3	1	SE	2	American Pipit	AMPI	2	>50 m (0-3 min)	Discovery
CM8114	541536	6988458	TH	16-Jun-08	04:51	1	0		4	Horned Lark	HOLA	2	<50 m (0-3 min)	Meliadine West
CM8114	541536	6988458	TH	16-Jun-08	04:51	1	0		4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8115	554955	6978514	HT	18-Jun-08	03:55	4	0		2	American Pipit	AMPI	2	>50 m (0-3 min)	Discovery
CM8116	541624	6988272	TH	16-Jun-08	05:04	2	<5	N	4	Horned Lark	HOLA	1	>50 m (3-5 min)	Meliadine West
CM8116	541624	6988272	TH	16-Jun-08	05:04	2	<5	N	4	Lapland Longspur	LALO	2	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8117	554796	6978652	HT	18-Jun-08	04:08	4	0		3	American Pipit	AMPI	3	>50 m (3-5 min)	Discovery
CM8117	554796	6978652	HT	18-Jun-08	04:08	4	0		3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Discovery
CM8118	541693	6988082	TH	16-Jun-08	05:13	1	0		4	Lapland Longspur	LALO	2	>50 m (0-3 min)	Meliadine West
CM8118	541693	6988082	TH	16-Jun-08	05:13	1	0		4	Lapland Longspur	LALO	1	fly-over (0-3 min)	Meliadine West
CM8119	554696	6978828	TH	18-Jun-08	04:22	4	0		2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Discovery
CM8119	554696	6978828	TH	18-Jun-08	04:22	4	0		2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8120	541811	6987898	SW	16-Jun-08	05:23	2	0		4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8120	541811	6987898	SW	16-Jun-08	05:23	2	0		4	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8121	554628	6979018	TH	18-Jun-08	04:33	4	0		1-2	Lapland Longspur	LALO	3	>50 m (3-5 min)	Discovery
CM8122	541857	6987697	HT	16-Jun-08	05:36	1	0		4	Unidentified bird spp.	UNKN	0	-	Meliadine West
CM8123	554462	6979196	HT	18-Jun-08	04:47	4	3	N	2	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8123	554462	6979196	HT	18-Jun-08	04:47	4	3	N	2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Meliadine West
CM8124	541277	6987536	HT	16-Jun-08	06:02	2	15	S	4-5	Lapland Longspur	LALO	1	<50 m (0-3 min)	Meliadine West
CM8124	541277	6987536	HT	16-Jun-08	06:02	2	15	S	4-5	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8125	554293	6979321	HT	18-Jun-08	05:01	4	3	N	2	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8125	554293	6979321	HT	18-Jun-08	05:01	4	3	N	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8126	542055	6989172	HT	17-Jun-08	05:55	4	10	W	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8126	542055	6989172	HT	17-Jun-08	05:55	4	10	W	1	Horned Lark	HOLA	1	<50 m (0-3 min)	Meliadine West
CM8126	542055	6989172	HT	17-Jun-08	05:55	4	10	W	1	Lapland Longspur	LALO	1	>50 m (0-3 min)	Meliadine West
CM8126	542055	6989172	HT	17-Jun-08	05:55	4	10	W	1	White-Crowned Sparrow	WCSP	1	>50 m (0-3 min)	Meliadine West
CM8127	554317	6979550	HT	18-Jun-08	05:13	4	0		3	Horned Lark	HOLA	2	>50 m (0-3 min)	Discovery
CM8127	554317	6979550	HT	18-Jun-08	05:13	4	0		3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Discovery
CM8127	554317	6979550	HT	18-Jun-08	05:13	4	0		3	Unidentified bird spp.	UNKN	1	>50 m (0-3 min)	Discovery
CM8128	542241	6989098	TH	17-Jun-08	06:20	4	10	S	1	Horned Lark	HOLA	1	>50 m (0-3 min)	Meliadine West
CM8128	542241	6989098	TH	17-Jun-08	06:20	4	10	S	1	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8129	554500	6979641	HT	18-Jun-08	05:26	4	0		3	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8129	554500	6979641	HT	18-Jun-08	05:26	4	0		3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Discovery
CM8130	542269	6989257	TH	17-Jun-08	06:41	4	10	N	1	American Pipit	AMPI	1	fly-over (0-3 min)	Meliadine West
CM8130	542269	6989257	TH	17-Jun-08	06:41	4	10	N	1	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Meliadine West
CM8131	554646	6979747	SW	18-Jun-08	05:38	4	0		2-3	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8131	554646	6979747	SW	18-Jun-08	05:38	4	0		2-3	Lapland Longspur	LALO	2	>50 m (3-5 min)	Discovery
CM8132	542134	6989217	HT	17-Jun-08	06:52	5	10	NW	1	American Pipit	AMPI	1	<50 m (0-3 min)	Meliadine West



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8132	542134	6989217	HT	17-Jun-08	06:52	5	10	NW	1	Semipalmated Plover	SEPL	1	<50 m (0-3 min)	Meliadine West
CM8133	554833	6979823	HT	18-Jun-08	05:53	4	0		3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Discovery
CM8133	554833	6979823	HT	18-Jun-08	05:53	4	0		3	Lapland Longspur	LALO	1	<50 m (0-3 min)	Discovery
CM8134	554949	6978387	TH	18-Jun-08	03:39	-2	<5	S	2	American Pipit	AMPI	1	>50 m (3-5 min)	Discovery
CM8134	554949	6978387	TH	18-Jun-08	03:39	-2	<5	S	2	American Pipit	AMPI	1	<50 m (0-3 min)	Discovery
CM8135	554426	6981404	TH	18-Jun-08	06:47	4	0		3	Redpoll Species	RESP	1	<50 m (0-3 min)	Discovery
CM8135	554426	6981404	TH	18-Jun-08	06:47	4	0		3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8135	554426	6981404	TH	18-Jun-08	06:47	4	0		3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Discovery
CM8136	554736	6978492	HT	18-Jun-08	03:53	-2	5	N	1	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8137	554606	6981265	SW	18-Jun-08	07:00	4	1	S	3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Discovery
CM8138	554567	6978610	TH	18-Jun-08	04:05	-3	<5	S	3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8138	554567	6978610	TH	18-Jun-08	04:05	-3	<5	S	3	Unidentified bird spp.	UNKN	1	<50 m (0-3 min)	Discovery
CM8139	554781	6981157	TH	18-Jun-08	07:13	4	0		2-3	Redpoll Species	RESP	2	fly-over (0-3 min)	Discovery
CM8139	554781	6981157	TH	18-Jun-08	07:13	4	0		2-3	Lapland Longspur	LALO	1	<50 m (0-3 min)	Discovery
CM8139	554781	6981157	TH	18-Jun-08	07:13	4	0		2-3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Discovery
CM8140	554374	6978680	HT	18-Jun-08	04:15	-3	<5	S	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	Discovery



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8141	554985	6981098	HT	18-Jun-08	07:25	5	1	S	3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8141	554985	6981098	HT	18-Jun-08	07:25	5	1	S	3	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	Discovery
CM8142	554197	6978772	TH	18-Jun-08	04:26	-3	<5	S	3	Redpoll Species	RESP	2	fly-over (0-3 min)	Discovery
CM8142	554197	6978772	TH	18-Jun-08	04:26	-3	<5	S	3	Herring Gull	HERG	1	fly-over (3-5 min)	Discovery
CM8143	555150	6980975	HT	18-Jun-08	07:39	5	0		2-3	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8144	553977	6978867	HT	18-Jun-08	04:38	-3	<5	S	2	Horned Lark	HOLA	1	<50 m (0-3 min)	Discovery
CM8144	553977	6978867	HT	18-Jun-08	04:38	-3	<5	S	2	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8145	555308	6980976	SW	18-Jun-08	07:50	6	0		2-3	Savannah Sparrow	SAVS	3	>50 m (0-3 min)	Discovery
CM8147	555441	6981123	TH	18-Jun-08	08:11	6	1	SE	2-3	Redpoll Species	RESP	1	fly-over (3-5 min)	Discovery
CM8147	555441	6981123	TH	18-Jun-08	08:11	6	1	SE	2-3	Lapland Longspur	LALO	2	fly-over (0-3 min)	Discovery
CM8147	555441	6981123	TH	18-Jun-08	08:11	6	1	SE	2-3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Discovery
CM8147	555441	6981123	TH	18-Jun-08	08:11	6	1	SE	2-3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Discovery
CM8148	553867	6979167	HT	18-Jun-08	05:06	-3	0		3	Unidentified bird spp.	UNKN	0	-	Discovery
CM8149	555571	6981265	HT	18-Jun-08	08:25	7	0		2-3	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8149	555571	6981265	HT	18-Jun-08	08:25	7	0		2-3	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	Discovery
CM8150	553882	6979375	HT	18-Jun-08	05:12	-2	0		3	Horned Lark	HOLA	1	<50 m (0-3 min)	Discovery



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8151	555299	6981310	HT	18-Jun-08	08:45	6	0		3	Horned Lark	HOLA	1	<50 m (0-3 min)	Discovery
CM8151	555299	6981310	HT	18-Jun-08	08:45	6	0		3	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8151	555299	6981310	HT	18-Jun-08	08:45	6	0		3	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	Discovery
CM8151	555299	6981310	HT	18-Jun-08	08:45	6	0		3	Unidentified bird spp.	UNKN	1	>50 m (0-3 min)	Discovery
CM8152	553934	6979576	HT	18-Jun-08	05:25	-2	0		3	Horned Lark	HOLA	1	<50 m (0-3 min)	Discovery
CM8152	553934	6979576	HT	18-Jun-08	05:25	-2	0		3	Lapland Longspur	LALO	1	<50 m (0-3 min)	Discovery
CM8154	554161	6979636	TH	18-Jun-08	05:34	-1	0		2	Unidentified bird spp.	UNKN	0	-	Discovery
CM8156	554426	6979719	TH	18-Jun-08	05:46	2	<5	W	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8156	554426	6979719	TH	18-Jun-08	05:46	2	<5	W	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	Discovery
CM8158	554573	6979860	HT	18-Jun-08	05:56	2	0		2	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8160	554369	6981613	HT	18-Jun-08	06:14	2	5	S	3	American Pipit	AMPI	1	>50 m (0-3 min)	Discovery
CM8160	554369	6981613	HT	18-Jun-08	06:14	2	5	S	3	Redpoll Species	RESP	3	fly-over (0-3 min)	Discovery
CM8160	554369	6981613	HT	18-Jun-08	06:14	2	5	S	3	Horned Lark	HOLA	2	<50 m (0-3 min)	Discovery
CM8160	554369	6981613	HT	18-Jun-08	06:14	2	5	S	3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Discovery
CM8162	559213	6981748	SW	18-Jun-08	06:35	3	0		3	American Pipit	AMPI	1	fly-over (3-5 min)	Discovery
CM8162	559213	6981748	SW	18-Jun-08	06:35	3	0		3	Redpoll Species	RESP	1	fly-over (0-3 min)	Discovery



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Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8162	559213	6981748	SW	18-Jun-08	06:35	3	0		3	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8162	559213	6981748	SW	18-Jun-08	06:35	3	0		3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Discovery
CM8164	554041	6981854	SW	18-Jun-08	06:45	4	0		3	American Pipit	AMPI	1	>50 m (0-3 min)	Discovery
CM8164	554041	6981854	SW	18-Jun-08	06:45	4	0		3	Redpoll Species	RESP	1	fly-over (0-3 min)	Discovery
CM8164	554041	6981854	SW	18-Jun-08	06:45	4	0		3	Horned Lark	HOLA	1	>50 m (0-3 min)	Discovery
CM8164	554041	6981854	SW	18-Jun-08	06:45	4	0		3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Discovery
CM8166	553855	6981938	HBed	18-Jun-08	06:56	3	5	S	3	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	Discovery
CM8166	553855	6981938	HBed	18-Jun-08	06:56	3	5	S	3	Semipalmated Plover	SEPL	1	>50 m (0-3 min)	Discovery
CM8168	553809	6982136	SW	18-Jun-08	07:08	2	0		3	Horned Lark	HOLA	1	<50 m (0-3 min)	Discovery
CM8168	553809	6982136	SW	18-Jun-08	07:08	2	0		3	Lapland Longspur	LALO	1	>50 m (3-5 min)	Discovery
CM8168	553809	6982136	SW	18-Jun-08	07:08	2	0		3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Discovery
CM8170	553982	6982315	HBed	18-Jun-08	07:26	3	5	S	3	Redpoll Species	RESP	1	fly-over (0-3 min)	Discovery
CM8170	553982	6982315	HBed	18-Jun-08	07:26	3	5	S	3	Horned Lark	HOLA	1	<50 m (0-3 min)	Discovery
CM8170	553982	6982315	HBed	18-Jun-08	07:26	3	5	S	3	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	Discovery
CM8172	554185	6982302	HT	18-Jun-08	07:36	3	10	S	3	Redpoll Species	RESP	2	fly-over (0-3 min)	Discovery
CM8174	554371	6982135	HT	18-Jun-08	07:46	4	10	S	3	Unidentified bird spp.	UNKN	0	-	Discovery



APPENDIX B4

Upland Bird Survey Data

Table B4-1: Upland Breeding Bird Point Count Data – 2008 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind ^a	Species	Species Code	Number	Observation Type	Location
	Easting	Northing												
CM8176	554487	6981978	HBou	18-Jun-08	07:57	3	5	S	3-4	Redpoll Species	RESP	1	fly-over (0-3 min)	Discovery
CM8178	554446	6981771	HT	18-Jun-08	08:07	4	<5	N	3-4	Horned Lark	HOLA	1	<50 m (0-3 min)	Discovery
CM8178	554446	6981771	HT	18-Jun-08	08:07	4	<5	N	3-4	Lapland Longspur	LALO	1	>50 m (0-3 min)	Discovery
CM8180	554575	6981582	SW	18-Jun-08	08:17	4	0		4	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	Discovery

Table B4-2: Upland Breeding Bird Point Count Data – Meliadine Lake 2009

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9001	541867	6989057	TH	13-Jun-09	03:41	0	10	N	2	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9001	541867	6989057	TH	13-Jun-09	03:41	0	10	N	2	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9001	541867	6989057	TH	13-Jun-09	03:41	0	10	N	2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	
CM9002	541777	6988939	TH	13-Jun-09	04:00	0	5	N	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9002	541777	6988939	TH	13-Jun-09	04:00	0	5	N	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9002	541777	6988939	TH	13-Jun-09	04:00	0	5	N	2	Lapland Longspur	LALO	1	<50 m (3-5 min)	
CM9003	541714	6988854	TH	13-Jun-09	04:10	0	3	N	2	Savannah Sparrow	SAVS	4	<50 (0-3 min)	
CM9003	541714	6988854	TH	13-Jun-09	04:10	0	3	N	2	Horned Lark	HOLA	1	<50 (0-3 min)	
CM9004	541632	6988917	TH	13-Jun-09	04:25	0	3	NE	2	Savannah Sparrow	SAVS	1	<50 (0-3 min)	30



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9004	541632	6988917	TH	13-Jun-09	04:25	0	3	NE	2	Lapland Longspur	LALO	1	<50 (0-3 min)	12
CM9004	541632	6988917	TH	13-Jun-09	04:25	0	3	NE	2	Horned Lark	HOLA	1	<50 (0-3 min)	20
CM9004	541632	6988917	TH	13-Jun-09	04:25	0	3	NE	2	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	45
CM9005	541559	6988985	TH	13-Jun-09	04:39	0	3	NE	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	19
CM9005	541559	6988985	TH	13-Jun-09	04:39	0	3	NE	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	42
CM9006	541478	6989042	TH	13-Jun-09	04:48	0	3	NE	2	No birds on plot				
CM9007	541378	6989097	HT	13-Jun-09	04:54	0	5	NE	2	American Pipit	AMPI	1	FO (0-3 min)	Un
CM9007	541378	6989097	HT	13-Jun-09	04:54	0	5	NE	2	Lapland Longspur	LALO	1	>50 m (3-5 min)	Un
CM9008	541279	6989117	TH	13-Jun-09	05:06	0	2	NW	2	Redpoll Species	RESP	1	>50 m (3-5 min)	Un
CM9009	541183	6989172	TH	13-Jun-09	05:17	0	1	NE	2	American Pipit	AMPI	1	>50 m (3-5 min)	63
CM9009	541183	6989172	TH	13-Jun-09	05:17	0	1	NE	2	Lapland Longspur	LALO	1	FO (0-3 min)	Un
CM9010	541074	6989249	HT	13-Jun-09	05:32	0	1	NE	2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	25
CM9010	541074	6989249	HT	13-Jun-09	05:32	0	1	NE	2	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	25
CM9010	541074	6989249	HT	13-Jun-09	05:32	0	1	NE	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	24
CM9010	541074	6989249	HT	13-Jun-09	05:32	0	1	NE	2	Horned Lark	HOLA	1	>50 m (3-5 min)	



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9011	540966	6989363	HT	13-Jun-09	05:54	0	1	SE	2	No birds on plot				
CM9012	541046	6989609	HT	13-Jun-09	06:30	0	5	W	2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	
CM9012	541046	6989609	HT	13-Jun-09	06:30	0	5	W	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9013	541127	6989665	HT	13-Jun-09	06:40	0	0		3	Horned Lark	HOLA	2	<50 m (0-3 min)	25
CM9013	541127	6989665	HT	13-Jun-09	06:40	0	0		3	Unidentified	UNKN	1	FO (0-3 min)	
CM9014	541184	6989580	HT	13-Jun-09	07:08	0	0		3	Horned Lark	HOLA	2	>50 m (0-3 min)	60
CM9015	541257	6989500	HT	13-Jun-09	07:22	0	5	W	3	Lapland Longspur	LALO	1	>50 m (3-5 min)	
CM9016	541342	6989447	HT	13-Jun-09	07:32	0	5	W	3	Horned Lark	HOLA	1	>50 m (0-3 min)	74
CM9017	541448	6989406	HT	13-Jun-09	07:40	0	3	W	3	No birds on plot				
CM9018	541515	6989328	TH	13-Jun-09	07:44	0	3	SW	3	Lapland Longspur	LALO	1	FO (0-3 min)	
CM9018	541515	6989328	TH	13-Jun-09	07:44	0	3	SW	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	8
CM9018	541515	6989328	TH	13-Jun-09	07:44	0	3	SW	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	24
CM9018	541515	6989328	TH	13-Jun-09	07:44	0	3	SW	3	Unidentified bird sp.	UNKN	1	>50 m (0-3 min)	
CM9018	541515	6989328	TH	13-Jun-09	07:44	0	3	SW	3	Horned Lark	HOLA	2	<50 m (0-3 min)	24
CM9018	541515	6989328	TH	13-Jun-09	07:44	0	3	SW	3	Lapland Longspur	LALO	1	>50 m (0-3 min)	



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9018	541515	6989328	TH	13-Jun-09	07:44	0	3	SW	3	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	
CM9019	541594	6989261	HT	13-Jun-09	08:05	0	1	SW	3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	23
CM9020	541684	6989319	HT	13-Jun-09	08:18	0	3	S	3	American Pipit	AMPI	1	>50 m (0-3 min)	81
CM9021	541810	6989369	HT	13-Jun-09	08:28	0	2	S	3	American Pipit	AMPI	1	FO (0-3 min)	
CM9021	541810	6989369	HT	13-Jun-09	08:28	0	2	S	3	American Pipit	AMPI	1	<50 m (0-3 min)	28
CM9021	541810	6989369	HT	13-Jun-09	08:28	0	2	S	3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	25
CM9022	541927	6989366	HT	13-Jun-09	08:34	0	3	S	3	Horned Lark	HOLA	1	<50 m (0-3 min)	40
CM9022	541927	6989366	HT	13-Jun-09	08:34	0	3	S	3	American Pipit	AMPI	1	>50 m (0-3 min)	84
CM9023	541807	6989463	HT	13-Jun-09	09:08	-2	2	NE	2	Redpoll Species	RESP	1	FO (3-5 min)	
CM9023	541807	6989463	HT	13-Jun-09	09:08	-2	2	NE	2	Lapland Longspur	LALO	1	FO (3-5 min)	
CM9023	541807	6989463	HT	13-Jun-09	09:08	-2	2	NE	2	Horned Lark	HOLA	1	<50 m (3-5 min)	30
CM9024	541676	6989468	HT	13-Jun-09	09:19	0	8	E	4	Lapland Longspur	LALO	1	>50 m (3-5 min)	50
CM9024	541676	6989468	HT	13-Jun-09	09:19	0	8	E	4	Horned Lark	HOLA	1	FO (0-3 min)	
CM9025	540936	6988283	TH	14-Jun-09	02:55	1	0		3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	22
CM9025	540936	6988283	TH	14-Jun-09	02:55	1	0		3	Lapland Longspur	LALO	1	>50 m (3-5 min)	



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9026	540971	6988336	TH	14-Jun-09	02:56	0	0		2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	
CM9026	540971	6988336	TH	14-Jun-09	02:56	0	0		2	Lapland Longspur	LALO	1	<50 m (0-3 min)	24
CM9027	541005	6988209	HT	14-Jun-09	03:05	0	1	NW	3	No birds on plot				
CM9028	541085	6988228	TH	14-Jun-09	03:10	0	0		2	No birds on plot				
CM9029	541063	6988124	HT	14-Jun-09	03:15	0	1	NW	3-4	No birds on plot				
CM9030	541194	6988119	HT	14-Jun-09	03:20	0	2	E	3	Redpoll Species	RESP	2	FO (3-5 min)	
CM9030	541194	6988119	HT	14-Jun-09	03:20	0	2	E	3	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9031	541133	6988054	HT	14-Jun-09	03:25	1	2	W	4	No birds on plot				
CM9032	541309	6988021	HT	14-Jun-09	03:30	0	3	E	3	Willow Ptarmigan	WIPT	2	FO (3-5 min)	
CM9033	541199	6987970	HT	14-Jun-09	03:39	1	1	W	3	No birds on plot				
CM9034	541385	6987958	HT	14-Jun-09	03:40	0	3	E	3	Horned Lark	HOLA	2	<50 m (0-3 min)	23
CM9034	541385	6987958	HT	14-Jun-09	03:40	0	3	E	3	Savannah Sparrow	SAVS	2	<50 m (3-5 min)	8
CM9035	541274	6987898	HT	14-Jun-09	03:50	0	2	W	3-4	No birds on plot				
CM9036	541468	6987902	HT	14-Jun-09	03:50	0	3	E	4	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9037	541378	6987856	HT	15-Jun-09	03:03	0	0		3	Horned Lark	HOLA	1	>50 m (0-3 min)	



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9038	541544	6987828	HT	14-Jun-09	04:00	0	3	E	4-5	No birds on plot				
CM9039	541457	6987796	TH	15-Jun-09	03:11	0	0		3	Horned Lark	HOLA	2	<50 m (0-3 min)	36.5
CM9040	540542	6989513	TH	14-Jun-09	10:11	5	0		3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	29
CM9040	540542	6989513	TH	14-Jun-09	10:11	5	0		3	Common Raven	CORA	1	FO (0-3 min)	
CM9040	540542	6989513	TH	14-Jun-09	10:11	5	0		3	Least Sandpiper	LESA	1	<50 m (0-3 min)	3
CM9040	540542	6989513	TH	14-Jun-09	10:11	5	0		3	Lapland Longspur	LALO	2	<50 m (0-3 min)	21
CM9041	541518	6987690	TH	15-Jun-09	03:20	2	0		3	Horned Lark	HOLA	1	<50 m (0-3 min)	
CM9041	541518	6987690	TH	15-Jun-09	03:20	2	0		3	Horned Lark	HOLA	1	<50 m (3-5 min)	
CM9041	541518	6987690	TH	15-Jun-09	03:20	2	0		3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	40
CM9042	541624	6987766	TH	15-Jun-09	03:12	1	2	E	1	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9043	541680	6987571	HT	15-Jun-09	03:34	1	1	W	0	Lapland Longspur	LALO	1	<50 m (0-3 min)	40
CM9043	541680	6987571	HT	15-Jun-09	03:34	1	1	W	0	Lapland Longspur	LALO	1	<50 m (3-5 min)	45
CM9044	541704	6987692	HT	15-Jun-09	03:20	1	2	E	1	Lapland Longspur	LALO	1	<50 m (0-3 min)	22
CM9045	541831	6987436	HT	15-Jun-09	03:44	1	2	1	0	Lapland Longspur	LALO	1	<50 m (0-3 min)	
CM9045	541831	6987436	HT	15-Jun-09	03:44	1	2	1	0	Lapland Longspur	LALO	1	>50 m (3-5 min)	



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9045	541831	6987436	HT	15-Jun-09	03:44	1	2	1	0	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	
CM9046	541780	6987621	HT	15-Jun-09	03:32	1	3	E	0	Redpoll Species	RESP	1	FO (3-5 min)	
CM9046	541780	6987621	HT	15-Jun-09	03:32	1	3	E	0	Willow Ptarmigan	WIPT	1	>50 m (0-3 min)	223
CM9046	541780	6987621	HT	15-Jun-09	03:32	1	3	E	0	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	78
CM9047	541983	6987317	HT	15-Jun-09	03:56	2	1	W	0	No birds on plot				
CM9048	541864	6987557	HT	15-Jun-09	03:39	2	2	E	1	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	66
CM9048	541864	6987557	HT	15-Jun-09	03:39	2	2	E	1	Lapland Longspur	LALO	1	>50 m (0-3 min)	78
CM9048	541864	6987557	HT	15-Jun-09	03:39	2	2	E	1	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	107
CM9049	542079	6987141	HT	15-Jun-09	04:07	2	0.5	N	0	Savannah Sparrow	SAVS	2	>50 m (0-3 min)	
CM9049	542079	6987141	HT	15-Jun-09	04:07	2	0.5	N	0	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9050	541954	6987485	TH	15-Jun-09	03:50	1	2	E	1	No birds on plot				
CM9051	542246	6987022	HT	15-Jun-09	04:20	2	0		0	Horned Lark	HOLA	1	<50 (3-5 min)	49.5
CM9051	542246	6987022	HT	15-Jun-09	04:20	2	0		0	Lapland Longspur	LALO	1	FO (3-5 min)	
CM9052	542099	6987372	HT	15-Jun-09	04:01	1	2	E	1	No birds on plot				
CM9053	542426	6986863	TH	15-Jun-09	04:35	3	0		0	Horned Lark	HOLA	1	<50 m (0-3 min)	49



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9053	542426	6986863	TH	15-Jun-09	04:35	3	0		0	Lapland Longspur	LALO	1	<50 m (0-3 min)	
CM9053	542426	6986863	TH	15-Jun-09	04:35	3	0		0	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	
CM9054	542269	6987264	HT	15-Jun-09	04:12	1	2	E	1	No birds on plot				
CM9055	542544	6986703	TH	15-Jun-09	04:50	3	1	W	0	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	1
CM9055	542544	6986703	TH	15-Jun-09	04:50	3	1	W	0	Lapland Longspur	LALO	1	>50 m (3-5 min)	1
CM9055	542544	6986703	TH	15-Jun-09	04:50	3	1	W	0	Horned Lark	HOLA	1	<50 (3-5 min)	48
CM9055	542544	6986703	TH	15-Jun-09	04:50	3	1	W	0	Lapland Longspur	LALO	1	>50 m (3-5 min)	1
CM9056	542360	6987212	HT	15-Jun-09	04:22	1	0		1	Horned Lark	HOLA	1	>50 m (0-3 min)	64
CM9057	542725	6986614	TH	15-Jun-09	05:03	4	1	SE	0	Lapland Longspur	LALO	1	<50 m (0-3 min)	45
CM9057	542725	6986614	TH	15-Jun-09	05:03	4	1	SE	0	Lapland Longspur	LALO	1	<50 m (0-3 min)	49
CM9057	542725	6986614	TH	15-Jun-09	05:03	4	1	SE	0	Horned Lark	HOLA	1	FO (3-5 min)	
CM9057	542725	6986614	TH	15-Jun-09	05:03	4	1	SE	0	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	
CM9058	542521	6987135	HT	15-Jun-09	04:30	1	0		1	Horned Lark	HOLA	1	<50 m (0-3 min)	19
CM9059	542964	6986551	TH	15-Jun-09	05:19	3	1	N	0	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	45
CM9059	542964	6986551	TH	15-Jun-09	05:19	3	1	N	0	Lapland Longspur	LALO	2	>50 m (0-3 min)	147



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9060	542612	6987085	HT	15-Jun-09	04:40	1	0		1	Horned Lark	HOLA	1	<50 m (0-3 min)	49
CM9060	542612	6987085	HT	15-Jun-09	04:40	1	0		1	Horned Lark	HOLA	1	>50 m (0-3 min)	67
CM9061	543129	6986436	TH	15-Jun-09	05:33	4	1	E	0	American Pipit	AMPI	1	<50 m (0-3 min)	24
CM9061	543129	6986436	TH	15-Jun-09	05:33	4	1	E	0	Savannah Sparrow	SAVS	1	FO (0-3 min)	
CM9062	542691	6987005	HT	15-Jun-09	04:50	1	0		1	No birds on plot				
CM9063	543284	6986282	TH	15-Jun-09	05:49	3	0		1	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	38.5
CM9063	543284	6986282	TH	15-Jun-09	05:49	3	0		1	Horned Lark	HOLA	1	>50 m (0-3 min)	61.5
CM9064	542773	6986943	HT	15-Jun-09	04:59	1	0		1	Horned Lark	HOLA	1	<50 m (0-3 min)	48
CM9064	542773	6986943	HT	15-Jun-09	04:59	1	0		1	Lapland Longspur	LALO	1	<50 m (0-3 min)	25
CM9065	543466	6986378	TH	15-Jun-09	06:07	4	0		1	American Pipit	AMPI	3	>50 m (0-3 min)	61.5
CM9065	543466	6986378	TH	15-Jun-09	06:07	4	0		1	Savannah Sparrow	SAVS	1	<50 (3-5 min)	50
CM9066	542857	6986858	HT	15-Jun-09	05:07	2	0		1	Lapland Longspur	LALO	1	<50 m (0-3 min)	43
CM9067	543652	6986171	SW	15-Jun-09	06:25	4	1	SE	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9067	543652	6986171	SW	15-Jun-09	06:25	4	1	SE	2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	
CM9068	542948	6986809	HT	15-Jun-09	05:15	2	0		1	Horned Lark	HOLA	1	>50 m (0-3 min)	46



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9069	543860	6986211	TH	15-Jun-09	06:43	4	1	SW	2	No birds on plot				
CM9070	543039	6986750	HT	15-Jun-09	05:24	2	3	S	1	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	76
CM9071	543307	6985782	TH	15-Jun-09	07:35	6	1	N	1	Horned Lark	HOLA	1	>50 m (3-5 min)	
CM9071	543307	6985782	TH	15-Jun-09	07:35	6	1	N	1	Lapland Longspur	LALO	1	FO (0-3 min)	
CM9072	543141	6986734	TH	15-Jun-09	05:34	0	2	W	1	Horned Lark	HOLA	1	>50 m (3-5 min)	54
CM9073	543249	6985591	TH	15-Jun-09	07:45	6	1	S	2	No birds on plot				
CM9074	543244	6986688	TH	15-Jun-09	05:44	1	1	W	1	No birds on plot				
CM9075	543180	6985391	TH	15-Jun-09	07:57	6	1	W	2	No birds on plot				
CM9076	543332	6986638	TH	15-Jun-09	05:57	2	0		1	Horned Lark	HOLA	1	>50 m (0-3 min)	6
CM9077	543128	6985193	HT	15-Jun-09	08:09	8	S	1	1	Least Sandpiper	LESA	1	>50 m (0-3 min)	
CM9077	543128	6985193	HT	15-Jun-09	08:09	8	S	1	1	Redpoll Species	RESP	1	FO (3-5 min)	
CM9077	543128	6985193	HT	15-Jun-09	08:09	8	S	1	1	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	
CM9078	543435	6986614	TH	15-Jun-09	06:12	3	0		1	American Pipit	AMPI	1	FO (0-3 min)	
CM9078	543435	6986614	TH	15-Jun-09	06:12	3	0		1	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	12
CM9079	542869	6985036	HT	15-Jun-09	08:30	8	1	S	3	No birds on plot				



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9080	543530	6986564	TH	15-Jun-09	06:21	2	2	N	1	American Pipit	AMPI	3	<50 m (0-3 min)	8
CM9081	541037	6989671	ES	16-Jun-09	03:01	1	3	S	2	Horned Lark	HOLA	1	<50 m (0-3 min)	49.8
CM9081	541037	6989671	ES	16-Jun-09	03:01	1	3	S	2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	
CM9082	543609	6986482	TH	15-Jun-09	06:36	4	0		1	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	54
CM9083	540844	6989735	ES	16-Jun-09	03:14	1	5	S	2	Horned Lark	HOLA	1	>50 m (3-5 min)	
CM9083	540844	6989735	ES	16-Jun-09	03:14	1	5	S	2	Savannah Sparrow	SAVS	2	>50 m (0-3 min)	
CM9084	543779	6986429	HT	15-Jun-09	06:48	4	4	W	2	No birds on plot				
CM9085	540644	6989777	ES	16-Jun-09	03:33	1	8	S	2	No birds on plot				
CM9086	543658	6986051	TH	15-Jun-09	07:12	4	2	N	2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	43
CM9086	543658	6986051	TH	15-Jun-09	07:12	4	2	N	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	31
CM9086	543658	6986051	TH	15-Jun-09	07:12	4	2	N	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	6
CM9087	540431	6989752	HT	16-Jun-09	03:46	1	0		1	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9087	540431	6989752	HT	16-Jun-09	03:46	1	0		1	Horned Lark	HOLA	1	>50 m (3-5 min)	
CM9088	543590	6985858	TH	15-Jun-09	07:30	4	5	E	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	64
CM9089	540236	6989797	ES	16-Jun-09	03:58	0	2	NW	2	Savannah Sparrow	SAVS	1	>50 m (0-3 min)	



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9089	540236	6989797	ES	16-Jun-09	03:58	0	2	NW	2	Lapland Longspur	LALO	2	FO (0-3 min)	
CM9089	540236	6989797	ES	16-Jun-09	03:58	0	2	NW	2	Redpoll Species	RESP	1	FO (3-5 min)	
CM9090	543498	6985679	HT	15-Jun-09	07:42	4	5	E	2	Horned Lark	HOLA	1	<50 m (0-3 min)	48
CM9091	540045	6989872	ES	16-Jun-09	04:11	0	4	S	2	Horned Lark	HOLA	1	<50 m (0-3 min)	22
CM9091	540045	6989872	ES	16-Jun-09	04:11	0	4	S	2	Horned Lark	HOLA	2	<50 m (0-3 min)	25
CM9091	540045	6989872	ES	16-Jun-09	04:11	0	4	S	2	Redpoll Species	RESP	1	FO (3-5 min)	
CM9091	540045	6989872	ES	16-Jun-09	04:11	0	4	S	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9092	543381	6985498	HT	15-Jun-09	07:51	5	0		2	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9093	539977	6990077	ES	16-Jun-09	04:21	0	10	SW	3	No birds on plot				
CM9094	543320	6985298	HT	15-Jun-09	08:05	4	3	W	2	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9095	539854	6990237	ES	16-Jun-09	04:32	0	5	NE/SW	2	American Pipit	AMPI	2	<50 m (0-3 min)	49
CM9095	539854	6990237	ES	16-Jun-09	04:32	0	5	NE/SW	2	Horned Lark	HOLA	1	<50 m (0-3 min)	42
CM9096	543205	6985120	HT	15-Jun-09	08:20	5	0		2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	32
CM9097	539648	6990218	ES	16-Jun-09	04:44	0	5	W	2	Lapland Longspur	LALO	1	>50 m (3-5 min)	
CM9097	539648	6990218	ES	16-Jun-09	04:44	0	5	W	2	Horned Lark	HOLA	1	<50 m (3-5 min)	43



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9098	543053	6984951	HT	15-Jun-09	08:32	5	0		2	No birds on plot				
CM9099	539462	6990141	ES	16-Jun-09	04:56	0	3	W	2	Redpoll Species	RESP	3	FO (3-5 min)	
CM9099	539462	6990141	ES	16-Jun-09	04:56	0	3	W	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9099	539462	6990141	ES	16-Jun-09	04:56	0	3	W	2	Horned Lark	HOLA	1	<50 m (0-3 min)	49
CM9100	541089	6989780	HT	16-Jun-09	03:07	-1	15	NW	1	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	38
CM9100	541089	6989780	HT	16-Jun-09	03:07	-1	15	NW	1	Horned Lark	HOLA	1	<50 m (0-3 min)	24
CM9101	539262	6990182	ES	16-Jun-09	05:12	1	1	SW	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9102	540882	6989793	Bo/HT	16-Jun-09	03:22	-1	15	W	2	American Pipit	AMPI	1	<50 m (0-3 min)	12
CM9102	540882	6989793	Bo/HT	16-Jun-09	03:22	-1	15	W	2	Snow Bunting	SNBU	1	<50 m (0-3 min)	6
CM9103	539072	6990259	ES	16-Jun-09	05:23	1	1	S	2	Horned Lark	HOLA	1	<50 m (3-5 min)	
CM9103	539072	6990259	ES	16-Jun-09	05:23	1	1	S	2	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9103	539072	6990259	ES	16-Jun-09	05:23	1	1	S	2	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	
CM9104	540678	6989832	Bo/HT	16-Jun-09	03:34	-1	15	W	2-3	No birds on plot				
CM9105	539013	6990472	ES	16-Jun-09	05:35	1	2	W	2	Horned Lark	HOLA	1	>50 m (0-3 min)	1
CM9105	539013	6990472	ES	16-Jun-09	05:35	1	2	W	2	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	1



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9106	540470	6989819	HT	16-Jun-09	03:48	-1	2	NW	2	Snow Bunting	SNBU	1	>50 m (0-3 min)	131
CM9107	538909	6990640	ES	16-Jun-09	05:45	1	4	W	3	No birds on plot				
CM9108	540282	6989917	Bo/HT	16-Jun-09	04:03	-1	15	N	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	19.5
CM9108	540282	6989917	Bo/HT	16-Jun-09	04:03	-1	15	N	2	Redpoll Species	RESP	1	FO (3-5 min)	
CM9109	538769	6990786	ES	16-Jun-09	05:55	1	5/0.5	W/E	2	Horned Lark	HOLA	1	<50 m (0-3 min)	
CM9109	538769	6990786	ES	16-Jun-09	05:55	1	5/0.5	W/E	2	American Pipit	AMPI	1	>50 m (3-5 min)	56
CM9109	538769	6990786	ES	16-Jun-09	05:55	1	5/0.5	W/E	2	Lapland Longspur	LALO	1	>50 m (3-5 min)	
CM9110	540105	6990032	TH	16-Jun-09	04:15	-1	2	N	2	American Pipit	AMPI	2	<50 m (0-3 min)	19.5
CM9110	540105	6990032	TH	16-Jun-09	04:15	-1	2	N	2	Redpoll Species	RESP	1	FO (0-3 min)	
CM9111	538573	6990853	ES	16-Jun-09	06:10	1	3	W	3	No birds on plot				
CM9112	540026	6990226	HT	16-Jun-09	04:27	-1	0		2	Lapland Longspur	LALO	1	FO (0-3 min)	
CM9112	540026	6990226	HT	16-Jun-09	04:27	-1	0		2	Redpoll Species	RESP	1	>50 m (0-3 min)	98
CM9113	538450	6991017	ES	16-Jun-09	06:22	2	2	W	3	Horned Lark	HOLA	1	<50 m (0-3 min)	
CM9114	539870	6990357	HT	16-Jun-09	04:38	-1	2	N	2	No birds on plot				
CM9115	538339	6991186	ES	16-Jun-09	06:34	1	4	W	3	Lapland Longspur	LALO	1	>50 m (3-5 min)	



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Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9115	538339	6991186	ES	16-Jun-09	06:34	1	4	W	3	Horned Lark	HOLA	2	<50 m (0-3 min)	35
CM9115	538339	6991186	ES	16-Jun-09	06:34	1	4	W	3	Redpoll Species	RESP	1	FO (0-3 min)	
CM9116	539663	6990405	HT	16-Jun-09	04:51	0	2	NW	2	Horned Lark	HOLA	1	>50 m (0-3 min)	65
CM9117	538242	6991362	ES	16-Jun-09	06:47	2	2	W	2	Lapland Longspur	LALO	1	FO (0-3 min)	
CM9118	539439	6990454	HT	16-Jun-09	05:04	0	2	NW	2	Redpoll Species	RESP	1	FO (3-5 min)	
CM9118	539439	6990454	HT	16-Jun-09	05:04	0	2	NW	2	Lapland Longspur	LALO	1	<50 m (0-3 min)	48
CM9119	538197	6991580	ES	16-Jun-09	08:14	3	5	E	3	Horned Lark	HOLA	2	>50 m (0-3 min)	
CM9120	539261	6990559	HT	16-Jun-09	05:17	0	3	NW	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	111
CM9121	538009	6991653	ES	16-Jun-09	08:28	6	2	E/W	3	No birds on plot				
CM9122	539039	6990769	HT	16-Jun-09	05:37	0	0		2-3	Redpoll Species	RESP	3	FO (3-5 min)	
CM9123	540695	6988395	HT	17-Jun-09	04:14	0	0		4	Horned Lark	HOLA	2	>50 m (3-5 min)	
CM9123	540695	6988395	HT	17-Jun-09	04:14	0	0		4	Lapland Longspur	LALO	1	<50 m (3-5 min)	
CM9123	540695	6988395	HT	17-Jun-09	04:14	0	0		4	Lapland Longspur	LALO	1	FO (0-3 min)	
CM9124	538847	6990923	HT	16-Jun-09	05:50	1	0		2-3	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	29
CM9124	538847	6990923	HT	16-Jun-09	05:50	1	0		2-3	Savannah Sparrow	SAVS	1	<50 m (3-5 min)	14.5



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9125	540495	6988281	SW	17-Jun-09	04:27	0	0		3	Horned Lark	HOLA	2	>50 m (0-3 min)	
CM9125	540495	6988281	SW	17-Jun-09	04:27	0	0		3	Redpoll Species	RESP	1	FO (3-5 min)	
CM9126	538707	6991065	HT	16-Jun-09	06:03	1	3	NW	3	American Pipit	AMPI	2	<50 m (0-3 min)	24
CM9127	540338	6988147	TH	17-Jun-09	04:38	1	0		3	Horned Lark	HOLA	1	>50 m (3-5 min)	
CM9127	540338	6988147	TH	17-Jun-09	04:38	1	0		3	Lapland Longspur	LALO	1	<50 m (0-3 min)	46
CM9127	540338	6988147	TH	17-Jun-09	04:38	1	0		3	Lapland Longspur	LALO	1	<50 m (0-3 min)	45
CM9128	538541	6991227	TH	16-Jun-09	06:18	1	2	NW	2	American Pipit	AMPI	1	FO (3-5 min)	
CM9128	538541	6991227	TH	16-Jun-09	06:18	1	2	NW	2	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	49
CM9128	538541	6991227	TH	16-Jun-09	06:18	1	2	NW	2	Lapland Longspur	LALO	1	>50 m (0-3 min)	59
CM9129	540176	6988008	SW	17-Jun-09	04:52	2	0		3	Lapland Longspur	LALO	1	<50 m (0-3 min)	20
CM9129	540176	6988008	SW	17-Jun-09	04:52	2	0		3	Lapland Longspur	LALO	2	<50 m (0-3 min)	12
CM9129	540176	6988008	SW	17-Jun-09	04:52	2	0		3	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9129	540176	6988008	SW	17-Jun-09	04:52	2	0		3	Horned Lark	HOLA	1	<50 m (3-5 min)	42
CM9129	540176	6988008	SW	17-Jun-09	04:52	2	0		3	Savannah Sparrow	SAVS	1	>50 m (3-5 min)	
CM9130	538391	6991381	Bo/HT	16-Jun-09	06:30	1	2	NW	2	Redpoll Species	RESP	2	FO (0-3 min)	



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9131	539988	6987911	TH	17-Jun-09	05:17	0	1	S	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	25
CM9131	539988	6987911	TH	17-Jun-09	05:17	0	1	S	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	15
CM9131	539988	6987911	TH	17-Jun-09	05:17	0	1	S	3	Lapland Longspur	LALO	1	FO (0-3 min)	
CM9131	539988	6987911	TH	17-Jun-09	05:17	0	1	S	3	Horned Lark	HOLA	1	FO (3-5 min)	
CM9132	540523	6988600	HT	17-Jun-09	04:24	0	2	W	3	Savannah Sparrow	SAVS	1	<50 m (0-3 min)	26
CM9132	540523	6988600	HT	17-Jun-09	04:24	0	2	W	3	Horned Lark	HOLA	1	<50 m (0-3 min)	31
CM9133	539793	6987902	TH	17-Jun-09	05:33	0	1	SW	3	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9134	540397	6988439	TH	17-Jun-09	04:39	0	0		3	No birds on plot				
CM9135	539610	6987971	HT	17-Jun-09	05:47	0	1	NE	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	25
CM9135	539610	6987971	HT	17-Jun-09	05:47	0	1	NE	3	Horned Lark	HOLA	1	>50 m (0-3 min)	
CM9135	539610	6987971	HT	17-Jun-09	05:47	0	1	NE	3	Lapland Longspur	LALO	1	>50 m (3-5 min)	
CM9136	540199	6988345	HT	17-Jun-09	04:51	0	0		3	Redpoll Species	RESP	1	FO (3-5 min)	
CM9136	540199	6988345	HT	17-Jun-09	04:51	0	0		3	Lapland Longspur	LALO	1	>50 m (0-3 min)	36
CM9137	539401	6987862	ES	17-Jun-09	06:00	0	1	NE	4	No birds on plot				
CM9138	540036	6988224	HT	17-Jun-09	05:02	2	2	E	3	Least Sandpiper	LESA	3	FO (0-3 min)	



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

Plot Number	UTM Zone 15 NAD 83		Ecotype	Date	Time	Temperature (C)	Slope (°)	Aspect	Wind	Species	Species Code	Number	Observation Type	Distance from Observer (m)
	Easting	Northing												
CM9138	540036	6988224	HT	17-Jun-09	05:02	2	2	E	3	Lapland Longspur	LALO	1	<50 m (0-3 min)	39
CM9138	540036	6988224	HT	17-Jun-09	05:02	2	2	E	3	Savannah Sparrow	SAVS	4	FO (0-3 min)	
CM9139	539207	6987887	HT	17-Jun-09	06:18	0	2	W	4-5	Unidentified bird sp.	UNKN	1	>50 m (0-3 min)	
CM9140	539935	6988045	HT	17-Jun-09	05:12	2	2	W	3	No birds on plot				
CM9142	539738	6988095	HT	17-Jun-09	05:26	2	2	W	3	Willow Ptarmigan	WIPT	1	FO (0-3 min)	
CM9142	539738	6988095	HT	17-Jun-09	05:26	2	2	W	3	Lapland Longspur	LALO	1	>50 m (0-3 min)	
CM9144	539544	6988177	HT	17-Jun-09	05:38	0	3	W	3-4	No birds on plot				
CM9146	539319	6988232	HT	17-Jun-09	05:50	0	4	W	4	No birds on plot				
CM9148	539148	6988086	Bo/HT	17-Jun-09	06:04	0	3	W	4	American Pipit	AMPI	1	<50 m (0-3 min)	17
CM9148	539148	6988086	Bo/HT	17-Jun-09	06:04	0	3	W	4	Lapland Longspur	LALO	1	<50 m (0-3 min)	48
CM9150	539057	6987908	SW	17-Jun-09	06:24	0	0		4-5	No birds on plot				

Note: HT=heath tundra, HB=heath bedrock, SW=sedge wetland, HBo=heath boulder, ES=esker, TH=tussock hummock



APPENDIX B4

Upland Bird Survey Data

Table B4-2: Upland Breeding Bird Point Count Data – 2009 (continued)

^a **Windspeed Classifications**

Beaufort	Wind Speed km/h (mph)	Indicators of Wind Speed
0	< 2 (<1)	Smoke rises vertically
1	2 to 5 (1 to 3)	Smoke drift indicates wind direction, still windvanes
2	6 to 12 (4 to 7)	Wind felt on face, leaves rustle, vanes begin to move
3	13 to 19 (8 to 12)	Leaves and small twigs constantly moving, light flags extended
4	20 to 29 (13 to 18)	Dust, leaves, and loose paper lifted, small tree branches move
5	30 to 38 (19 to 24)	Small trees in leaf begin to sway
6	39 to 49 (24 to 31)	Larger tree branches moving, whistling in wires
7	50 to 61 (31 to 38)	Whole trees moving, resistance felt walking against wind
8	62 to 74 (39 to 46)	Whole trees in motion, resistance felt walking against wind



APPENDIX B5

Shorebird Survey Data

Table B5-1: Shorebird Survey (PRISM) Data - 2008

Plot Number	UTM Zone 15 NAD 83		Habitat Quality	Habitat Type	Observations
	Easting	Northing			
2008-01	543536	6986128	Good	SW	No shorebirds
2008-02	543661	6986179	Fair	TH	No shorebirds
2008-03	543231	6987315	Fair	HT	No shorebirds
2008-04	538121	6971479	Fair	TH	No shorebirds
2008-05	538180	6991129	Fair	HT	No shorebirds
2008-06	540199	6990233	Fair	TH	2 Semipalmated Plovers
2008-07	540539	6989643	Good	SW	No shorebirds

Note: HT=heath tundra, SW=sedge wetland, TH=tussock hummock

Table B5-2: Shorebird Survey (PRISM) Data - 2009

Plot Number	UTM Zone 15 NAD 83		Habitat Quality	Habitat Type	Observations
	Easting	Northing			
2009-01	541451	6988992	Fair	TH	No shorebirds
2009-02	540431	6909435	Fair	HT	No shorebirds
2009-03	539551	6988992	Fair	TH	No shorebirds
2009-04	542648	6984402	Fair	TH	No shorebirds
2009-05	542118	6984405	Fair	TH	No shorebirds
2009-06	541976	6988809	Fair	HT	1 Semipalmated Plover
2009-07	538881	6987804	Good	SW	2 Least Sandpipers, 1 Dunlin
2009-08	539383	6987925	Fair	HT	1 Semipalmated Sandpiper
2009-09	540013	6988072	Fair	TH	No shorebirds

Note: HT=heath tundra, SW=sedge wetland, TH=tussock hummock



APPENDIX B6

Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	15-Jun-08	-	547257	6993796	Tundra Swan	1						
Mine	15-Jun-08	-	542619	6993986	Tundra Swan	1						
Mine	15-Jun-08	-	541823	6994010	Sandhill Crane	1						
Mine	15-Jun-08	-	541706	6994005	Canada Goose						1	
Mine	15-Jun-08	-	540283	6993911	Sandhill Crane	1						
Mine	15-Jun-08	-	537070	6993781	Canada Goose	1						
Mine	15-Jun-08	-	533334	6991570	Herring Gull	1						
Mine	15-Jun-08	-	537319	6991696	Canada Goose	1						
Mine	15-Jun-08	-	537621	6991698	Long-tailed Duck						1	
Mine	15-Jun-08	-	541034	6991739	Herring Gull	1						
Mine	15-Jun-08	-	541346	6991743	Canada Goose						1	
Mine	15-Jun-08	-	542553	6991608	Herring Gull	1						
Mine	15-Jun-08	-	542674	6991617	Long-tailed Duck						1	
Mine	15-Jun-08	-	543770	6991637	Northern Pintail			1				
Mine	15-Jun-08	-	543903	6991634	Canada Goose	1					1	
Mine	15-Jun-08	-	547466	6991775	Tundra Swan						1	
Mine	15-Jun-08	57	543748	6985827	Sandhill Crane	1						
Mine	15-Jun-08	58	534168	6985809	Red-breasted Merganser			1				
Mine	15-Jun-08	59	542734	6985827	Scaup species						1	
Mine	15-Jun-08	60	542685	6985823	Herring Gull	1						
Mine	15-Jun-08	61	541649	6985720	Tundra Swan						1	
Mine	15-Jun-08	62	540408	6985688	Canada Goose						1	
Mine	15-Jun-08	63	540019	6985721	Sandhill Crane	1						
Mine	15-Jun-08	63	540019	6985721	Canada Goose						1	
Mine	15-Jun-08	64	538700	6985906	Pacific Loon						1	
Mine	15-Jun-08	65	538104	6985738	Tundra Swan						1	
Mine	15-Jun-08	66	537546	6985784	Long-tailed Duck						1	
Mine	15-Jun-08	67	535378	6985777	Long-tailed Duck						1	
Mine	15-Jun-08	68	533822	6985722	Canada Goose	1						



APPENDIX B6

Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	15-Jun-08	69	533689	6985716	Herring Gull						1	
Mine	15-Jun-08	28	546546	6989729	Herring Gull	1						
Mine	15-Jun-08	28	546546	6989729	Long-tailed Duck						1	
Mine	15-Jun-08	29	543300	6989653	Canada Goose						1	
Mine	15-Jun-08	30	539800	6989956	Tundra Swan	1						
Mine	15-Jun-08	31	539257	6989811	Canada Goose						1	
Mine	15-Jun-08	32	538972	6989817	Canada Goose	1						
Mine	15-Jun-08	33	538734	6989815	Canada Goose	3						
Mine	15-Jun-08	34	537948	6989740	Canada Goose						1	
Mine	15-Jun-08	35	536242	6989647	Sandhill Crane	1						
Mine	15-Jun-08	36	535424	6989625	Sandhill Crane						1	
Mine	15-Jun-08	37	535085	6989617	Canada Goose	1						
Mine	15-Jun-08	38	532818	6989765	Long-tailed Duck		1					
Mine	15-Jun-08	39	532818	6989765	Pacific Loon						1	
Mine	15-Jun-08	40	532501	6989785	Canada Goose	1						
Mine	15-Jun-08	41	532336	6988378	Canada Goose						1	
Mine	15-Jun-08	42	533930	6988329	Tundra Swan	1						
Mine	15-Jun-08	43	534428	6988239	Northern Pintail		1					
Mine	15-Jun-08	44	534582	6988198	Canada Goose	1						
Mine	15-Jun-08	45	534856	6988124	Long-tailed Duck	1						
Mine	15-Jun-08	46	536273	6987864	Canada Goose	1						
Mine	15-Jun-08	47	541148	6987725	Canada Goose	1						
Mine	15-Jun-08	48	541828	6987737	Long-tailed Duck			1				
Mine	15-Jun-08	49	542154	6987728	Tundra Swan						1	
Mine	15-Jun-08	50	546686	6987715	Canada Goose						1	
Mine	15-Jun-08	50	546686	6987715	Long-tailed Duck						1	
Mine	15-Jun-08	50	546686	6987715	Tundra Swan	1						
Mine	15-Jun-08	51	548113	6987650	Tundra Swan	1						
Mine	15-Jun-08	52	548900	6985826	Sandhill Crane						1	



APPENDIX B6

Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	15-Jun-08	52	548900	6985826	Herring Gull	1						
Mine	15-Jun-08	53	547745	6985801	Canada Goose					5		
Mine	15-Jun-08	54	547428	6985800	Unidentified Duck	1						
Mine	15-Jun-08	55	547237	6985808	Tundra Swan						1	
Mine	15-Jun-08	56	547068	6985814	Herring Gull	1						
North	16-Jun-08	71	535391	7016056	Canada Goose	1						
North	16-Jun-08	72	512415	7015692	Pacific Loon	1						
North	16-Jun-08	73	517154	7013994	Canada Goose						1	
North	16-Jun-08	74	513493	7013875	Herring Gull	1						
North	16-Jun-08	75	509090	7013699	Canada Goose	1						
North	16-Jun-08	76	508126	7013650	Long-tailed Duck			1	3			
North	16-Jun-08	77	507743	7013644	Herring Gull						1	
North	16-Jun-08	78	507239	7013635	Long-tailed Duck						1	
North	16-Jun-08	80	506413	7013673	Canada Goose	1						
North	16-Jun-08	81	503499	7011702	Long-tailed Duck		1					
North	16-Jun-08	82	503997	7011698	Canada Goose						2	
North	16-Jun-08	83	504098	7011699	Canada Goose	1						
North	16-Jun-08	84	504267	7011696	Canada Goose						1	
North	16-Jun-08	85	504693	7011673	Canada Goose	1						
North	16-Jun-08	87	507844	7011563	Canada Goose	1						
North	16-Jun-08	88	508522	7011547	Canada Goose	1						
North	16-Jun-08	89	511132	7011508	Canada Goose	3						
North	16-Jun-08	90	512717	7011527	Long-tailed Duck						1	
North	16-Jun-08	92	517213	7009459	Sandhill Crane	1						
North	16-Jun-08	93	514645	7009619	Canada Goose	3						
North	16-Jun-08	94	514088	7009633	Sandhill Crane	1						
North	16-Jun-08	95	512741	7009745	Canada Goose	1						
North	16-Jun-08	96	511583	7009788	Sandhill Crane	1						
North	16-Jun-08	97	509234	7009791	Pacific Loon						1	



APPENDIX B6

Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
North	16-Jun-08	98	508032	7009755	Sandhill Crane						1	
North	16-Jun-08	99	506239	7009911	Long-tailed Duck						1	
North	16-Jun-08	102	506581	7007628	Canada Goose	1						
North	16-Jun-08	104	509981	7007489	Canada Goose						2	
North	16-Jun-08	105	511372	7007436	Herring Gull						1	
South	16-Jun-08	107	511768	6989105	Canada Goose						2	
South	16-Jun-08	108	511909	6979098	Canada Goose						2	
South	16-Jun-08	109	513759	6978985	Long-tailed Duck						1	
South	16-Jun-08	110	514088	6978984	Canada Goose	3						
South	16-Jun-08	111	514693	6978986	Canada Goose						1	
South	16-Jun-08	111	514693	6978986	Sandhill Crane	1						
South	16-Jun-08	112	515256	6978988	Sandhill Crane	1						
South	16-Jun-08	113	519503	6979009	Canada Goose	1						
South	16-Jun-08	114	520245	6979023	Sandhill Crane	1						
South	16-Jun-08	116	522274	6979146	Sandhill Crane						1	
South	16-Jun-08	117	523025	6979198	Sandhill Crane					5		
South	16-Jun-08	117	523025	6979198	Canada Goose						1	
South	16-Jun-08	118	523408	6979205	Sandhill Crane	1						
South	16-Jun-08	119	524304	6979165	Sandhill Crane	1						
South	16-Jun-08	120	525827	6979161	Long-tailed Duck		1					
South	16-Jun-08	121	526167	6979119	Long-tailed Duck		1					
South	16-Jun-08	122	526404	6979082	Herring Gull	1						
South	16-Jun-08	123	526890	6979005	Herring Gull	1						
South	16-Jun-08	124	526928	6977001	Canada Goose	1						
South	16-Jun-08	125	526542	6977040	Canada Goose						1	
South	16-Jun-08	126	526228	6977044	Canada Goose	1						
South	16-Jun-08	127	525233	6977065	Herring Gull	1						
South	16-Jun-08	128	524421	6977096	Herring Gull						1	
South	16-Jun-08	129	524157	6977103	Sandhill Crane						1	



APPENDIX B6

Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
South	16-Jun-08	130	522824	6977114	Long-tailed Duck		1					
South	16-Jun-08	132	517422	6977139	Canada Goose	3						
South	16-Jun-08	133	516236	6977082	Long-tailed Duck						1	
South	16-Jun-08	134	515868	6977074	Sandhill Crane	1						
South	16-Jun-08	134	515868	6977074	Long-tailed Duck						1	
South	16-Jun-08	135	515710	6977067	Canada Goose	1						
South	16-Jun-08	136	515259	6977056	Canada Goose						1	
South	16-Jun-08	137	515083	6977062	Canada Goose						1	
South	16-Jun-08	138	514557	6977109	Canada Goose	1						
South	16-Jun-08	139	513205	6977137	Long-tailed Duck		1					
South	16-Jun-08	139	513205	6977137	Sandhill Crane	1						
South	16-Jun-08	141	511492	6975247	Canada Goose						1	
South	16-Jun-08	142	511624	6975274	Long-tailed Duck	1						
South	16-Jun-08	143	512638	6975183	Sandhill Crane	1						
South	16-Jun-08	144	514481	6975264	Herring Gull	1						
South	16-Jun-08	145	514913	6975263	Canada Goose						2	
South	16-Jun-08	147	517901	6975146	Sandhill Crane	1						
South	16-Jun-08	147	517901	6975146	Northern Pintail			1				
South	16-Jun-08	148	522746	6974970	Canada Goose	1						
South	16-Jun-08	148	522746	6974970	Herring Gull	1						
South	16-Jun-08	149	524204	6974937	Canada Goose						2	
South	16-Jun-08	163	526836	6971006	Canada Goose	1						
South	16-Jun-08	164	525479	6971196	Canada Goose						1	
South	16-Jun-08	165	525380	6971205	Canada Goose						1	
South	16-Jun-08	166	525200	6971220	Canada Goose						1	
South	16-Jun-08	167	522956	6971198	Herring Gull	1						
South	16-Jun-08	168	522760	6971207	Canada Goose	1						
South	16-Jun-08	169	519989	6971315	Northern Pintail		1					
South	16-Jun-08	170	513435	6971238	Long-tailed Duck			1				



APPENDIX B6

Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
South	16-Jun-08	171	511835	6971084	Sandhill Crane	1						
South	16-Jun-08	172	511432	6971060	Northern Pintail			1				
South	16-Jun-08	173	510952	6973019	Herring Gull	1						
South	16-Jun-08	174	511106	6973014	Long-tailed Duck						1	
South	16-Jun-08	173	510952	6973019	Sandhill Crane	1						
South	16-Jun-08	175	512281	6972992	Canada Goose						1	
South	16-Jun-08	176	512597	6972992	Canada Goose						1	
South	16-Jun-08	177	512938	6972988	Sandhill Crane	1						
South	16-Jun-08	178	513960	6972977	Long-tailed Duck						1	
South	16-Jun-08	179	514452	6972989	Canada Goose					10		
South	16-Jun-08	180	514988	6973036	Long-tailed Duck						1	
South	16-Jun-08	181	515182	6973052	Long-tailed Duck		1					
South	16-Jun-08	182	516350	6973093	Long-tailed Duck		1					
South	16-Jun-08	183	516737	6973114	Sandhill Crane	1						
South	16-Jun-08	183	516737	6973114	Herring Gull	1						
South	16-Jun-08	184	517352	6973145	Canada Goose					11		
South	16-Jun-08	185	517786	6973151	Canada Goose	1						
South	16-Jun-08	185	517786	6973151	Long-tailed Duck		1					
South	16-Jun-08	186	518670	6973137	Sandhill Crane	1						
South	16-Jun-08	187	518948	6973123	Herring Gull	1						
South	16-Jun-08	187	518948	6973123	Sandhill Crane	1						
South	16-Jun-08	188	519577	6973091	Herring Gull	1						
South	16-Jun-08	189	520156	6973069	Herring Gull						1	
South	16-Jun-08	190	522496	6973008	Sandhill Crane	1						
South	16-Jun-08	191	522982	6973024	Canada Goose	1						
South	16-Jun-08	192	524065	6973036	Canada Goose	1						
South	16-Jun-08	193	525263	6973015	Canada Goose	1						
South	16-Jun-08	194	525655	6973011	Herring Gull	1						
South	16-Jun-08	195	526001	6973033	Pacific Loon						1	



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Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
East	16-Jun-08	153	562526	6998452	Herring Gull	1						
East	16-Jun-08	159	569621	7002646	Tundra Swan	1						
East	16-Jun-08	160	565775	7004484	Canada Goose						2	
Mine	22-Jul-08	1	534541	6993571	Long-tailed Duck		1					
Mine	22-Jul-08	2	537596	6993543	Canada Goose	1						3
Mine	22-Jul-08	3	540800	6993674	Tundra Swan						1	
Mine	22-Jul-08	4	542583	6993637	Tundra Swan						1	
Mine	22-Jul-08	5	543644	6993586	Sandhill Crane						1	
Mine	22-Jul-08	6	544029	6993568	Canada Goose						1	
Mine	22-Jul-08	8	542827	6991664	Tundra Swan						1	
Mine	22-Jul-08	9	541361	6991562	Common Loon	1						
Mine	22-Jul-08	10	538799	6991692	Herring Gull	1						
Mine	22-Jul-08	11	535316	6991654	Herring Gull	1						
Mine	22-Jul-08	12	533638	6991555	Sandhill Crane						1	
Mine	22-Jul-08	13	532697	6991464	Canada Goose					6		4
Mine	22-Jul-08	14	534431	6989636	Tundra Swan						2	
Mine	22-Jul-08	15	545744	6989498	Canada Goose					5		
Mine	22-Jul-08	16	546616	6979703	Tundra Swan						1	3
Mine	22-Jul-08	17	547749	6987684	Unidentified Duck	1						
Mine	22-Jul-08	18	546930	6987540	Tundra Swan						1	4
Mine	22-Jul-08	19	537388	6987677	Tundra Swan	1						2
Mine	22-Jul-08	20	536968	6987719	Common Loon	1						
Mine	22-Jul-08	21	536091	6987649	Canada Goose						2	4
Mine	22-Jul-08	22	538229	6985753	Herring Gull	1						
Mine	22-Jul-08	23	538465	6985754	Tundra Swan						1	
Mine	22-Jul-08	24	540990	6985776	Sandhill Crane						1	
Mine	22-Jul-08	25	541596	6985625	Tundra Swan	1						
Mine	22-Jul-08	26	542668	6985576	Tundra Swan						1	3
North	22-Jul-08	28	502649	7015101	Canada Goose					10		



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Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
North	22-Jul-08	29	503064	7015007	Canada Goose					12		
North	22-Jul-08	30	506709	7015136	Common Loon	1						
North	22-Jul-08	31	516812	7014829	Sandhill Crane						1	
North	22-Jul-08	32	516740	7014184	Canada Goose						2	
North	22-Jul-08	33	513403	7013536	Pacific Loon	1						
North	22-Jul-08	34	511945	7013554	Canada Goose						1	3
North	22-Jul-08	35	509661	7013537	Sandhill Crane						1	
North	22-Jul-08	36	508530	7013567	Red-breasted Merganser	1						
North	22-Jul-08	37	508070	7013550	Pacific Loon	1						
North	22-Jul-08	38	507319	7013581	Common Loon						1	
North	22-Jul-08	39	506238	7013574	Canada Goose					13		
North	22-Jul-08	40	505407	7013620	Lesser Snow Goose						1	
North	22-Jul-08	41	503210	7012400	Canada Goose					7		
North	22-Jul-08	42	508893	7011494	Canada Goose					20		
North	22-Jul-08	43	509491	7011515	Herring Gull	1						
North	22-Jul-08	44	514884	7011441	Red-breasted Merganser			2				
North	22-Jul-08	45	514970	7011420	Canada Goose					35		
North	22-Jul-08	46	516081	7011414	Herring Gull	1						
North	22-Jul-08	47	516632	7011413	Canada Goose					5		4
North	22-Jul-08	48	513689	7009598	Sandhill Crane	1						
North	22-Jul-08	49	506906	7009544	Herring Gull	1						
North	22-Jul-08	50	506003	7009525	Pacific Loon						1	
North	22-Jul-08	51	505475	7009556	Sandhill Crane						1	
North	22-Jul-08	52	504916	7009532	Unidentified Duck						1	
North	22-Jul-08	53	504522	7009462	Red-breasted Merganser			1				
North	22-Jul-08	54	502904	7009523	Herring Gull						1	



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Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
North	22-Jul-08	55	501110	7009666	Herring Gull						1	
North	22-Jul-08	56	500959	7007573	Red-throated Loon						1	
North	22-Jul-08	57	503039	7007609	Long-tailed Duck			1				
North	22-Jul-08	58	507724	7007596	Canada Goose						2	6
North	22-Jul-08	59	512715	7007603	Red-breasted Merganser	2						
North	22-Jul-08	60	512888	7007536	Pacific Loon	1						
North	22-Jul-08	61	513794	7007620	Canada Goose						1	2
North	22-Jul-08	62	516752	7007579	Sandhill Crane						1	
South	23-Jul-08	70	522866	6971018	Herring Gull	1						
South	23-Jul-08	71	522560	6970991	Sandhill Crane	1						
South	23-Jul-08	72	521368	6971016	Sandhill Crane					5		
South	23-Jul-08	73	513174	6970918	Sandhill Crane	1						
South	23-Jul-08	74	512982	6970924	Unidentified Duck	2						
South	23-Jul-08	75	511679	6973072	Sandhill Crane						1	
South	23-Jul-08	76	513413	6973012	Herring Gull	1						
South	23-Jul-08	77	519282	6972971	Sandhill Crane						1	
South	23-Jul-08	78	520762	6973020	Canada Goose						1	
South	23-Jul-08	79	524553	6973008	Red-throated Loon	1						
South	23-Jul-08	80	526231	6973070	Herring Gull	1						
South	23-Jul-08	81	525175	6974996	Long-tailed Duck					6		
South	23-Jul-08	82	524755	6974990	Canada Goose	3						6
South	23-Jul-08	85	518949	6974934	Sandhill Crane						1	
South	23-Jul-08	86	518078	6974963	Canada Goose					5		5
South	23-Jul-08	87	515996	6975005	Herring Gull					8		
South	23-Jul-08	89	511402	6977066	Sandhill Crane	1						
South	23-Jul-08	90	518205	6977061	Sandhill Crane						2	
South	23-Jul-08	92	519991	6977023	Sandhill Crane						1	



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Waterfowl Survey Data

Table B6-1: Waterfowl Survey Data – 2008 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
South	23-Jul-08	93	525010	6976941	Herring Gull	1						
South	23-Jul-08	94	523784	6979007	Canada Goose					20		
South	23-Jul-08	95	521083	6979051	Red-throated Loon						1	
South	23-Jul-08	96	518215	6979037	Canada Goose					12		
South	23-Jul-08	97	515738	6979050	Canada Goose					28		
South	23-Jul-08	98	515618	6979065	Canada Goose					5		4
South	23-Jul-08	99	515169	6979059	Red-throated Loon						1	
South	23-Jul-08	100	513843	6979042	Canada Goose					10		
South	23-Jul-08	101	512746	6979050	Canada Goose						1	
South	23-Jul-08	102	512463	6979032	Sandhill Crane	1						
South	23-Jul-08	103	511107	6979016	Sandhill Crane	1						
East	23-Jul-08	66	562428	6998441	Canada Goose					45		
East	23-Jul-08	67	558312	6998278	Canada Goose					50		
East	23-Jul-08	67	558312	6998278	Lesser Snow Goose					15		
East	23-Jul-08	68	556939	6998343	Sandhill Crane	1						

Note: "-" indicates not recorded

Table B6-2: Waterfowl Survey Data – 2009

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	13-Jun-09	36	533367	6993886	Herring Gull	1						
Mine	13-Jun-09	37	534779	6993894	Canada Goose	1						
Mine	13-Jun-09	38	540505	6993841	Long-tailed Duck						1	
Mine	13-Jun-09	39	541488	6993740	Canada Goose						1	



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	13-Jun-09	39	541488	6993740	Red-breasted Merganser						1	
Mine	13-Jun-09	41	542750	6993950	Tundra Swan	1						
Mine	13-Jun-09	42	542967	6993930	Canada Goose						1	
Mine	13-Jun-09	43	545062	6993801	Pacific Loon						1	
Mine	13-Jun-09	45	546240	6993650	Canada Goose					10		
Mine	13-Jun-09	45	546240	6993650	Tundra Swan	1						
Mine	13-Jun-09	46	547809	6991979	Tundra Swan						1	
Mine	13-Jun-09	48	543409	6992003	Tundra Swan						1	
Mine	13-Jun-09	49	542513	6991839	Common Loon	1						
Mine	13-Jun-09	50	540470	6991786	Canada Goose						1	
Mine	13-Jun-09	50	540470	6991786	Lesser Snow Goose	1						
Mine	13-Jun-09	51	539757	6991774	Herring Gull	1						
Mine	13-Jun-09	52	536383	6991919	Canada Goose						1	
Mine	13-Jun-09	53	535093	6991879	Canada Goose					16		
Mine	13-Jun-09	54	534009	6991948	Sandhill Crane						1	
Mine	13-Jun-09	56	533572	6989829	Canada Goose	1						
Mine	13-Jun-09	57	534993	6989909	Sandhill Crane						1	
Mine	13-Jun-09	59	535686	6989959	Canada Goose	3						
Mine	13-Jun-09	60	535958	6989933	Canada Goose	1						
Mine	13-Jun-09	61	539104	6989858	Northern Pintail						1	
Mine	13-Jun-09	62	539253	6989868	Canada Goose	1					2	
Mine	13-Jun-09	64	547013	6989847	Canada Goose	3						
Mine	13-Jun-09	65	548271	6987859	Scaup species				2			
Mine	13-Jun-09	66	548115	6987836	Tundra Swan						1	
Mine	13-Jun-09	67	547886	6987823	Canada Goose	1						
Mine	13-Jun-09	68	547363	6987895	Sandhill Crane						1	



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	13-Jun-09	69	541647	6987887	Scaup species				2			
Mine	13-Jun-09	70	540668	6987937	Northern Pintail			1				
Mine	13-Jun-09	71	540083	6987897	Red-throated Loon	1						
Mine	13-Jun-09	72	538638	6987872	Long-tailed Duck		1					
Mine	13-Jun-09	73	535788	6987863	Northern Pintail			1				
Mine	13-Jun-09	75	533355	6987974	Canada Goose						1	
Mine	13-Jun-09	76	533024	6986065	Long-tailed Duck						1	
Mine	13-Jun-09	77	534059	6986024	Sandhill Crane						1	
Mine	13-Jun-09	79	535091	6985787	Lesser Snow Goose					6		
Mine	13-Jun-09	80	536661	6985800	Herring Gull						1	
Mine	13-Jun-09	81	536795	6985809	Long-tailed Duck		1					
Mine	13-Jun-09	82	537771	6985908	Northern Pintail						1	
Mine	13-Jun-09	83	538378	6985946	Tundra Swan	1						
Mine	13-Jun-09	84	539812	6985879	Sandhill Crane	1						
Mine	13-Jun-09	85	542527	6985888	Tundra Swan	1						
Mine	13-Jun-09	86	542767	6985882	Canada Goose						1	
Mine	13-Jun-09	87	543071	6985870	Tundra Swan	1						
Mine	13-Jun-09	88	543746	6985884	Tundra Swan						1	
Mine	13-Jun-09	89	546561	6985781	Canada Goose					6		
Mine	13-Jun-09	90	547232	6985785	Herring Gull	1						
Mine	13-Jun-09	91	547715	6985830	Tundra Swan	1						
Mine	13-Jun-09	92	547771	6985890	Scaup species						1	
Mine	13-Jun-09	93	547980	6985810	Northern Pintail						2	
North	13-Jun-09	2	501629	7015606	Herring Gull	1						



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
North	13-Jun-09	3	502762	7015430	Canada Goose	2						
North	13-Jun-09	4	503603	7015372	Lesser Snow Goose					10		
North	13-Jun-09	5	504466	7015409	Canada Goose	1						
North	13-Jun-09	6	510709	7015271	Canada Goose						1	
North	13-Jun-09	7	516591	7015256	Canada Goose						1	
North	13-Jun-09	1	513657	7013730	Sandhill Crane	1						
North	13-Jun-09	2	513656	7013730	Lesser Snow Goose					7		
North	13-Jun-09	3	511042	7013779	Canada Goose						1	
North	13-Jun-09	5	508853	7013873	Lesser Snow Goose	4						
North	13-Jun-09	6	508417	7013869	Canada Goose						1	
North	13-Jun-09	7	507722	7013838	Herring Gull	1						
North	13-Jun-09	8	506908	7013786	Canada Goose						1	
North	13-Jun-09	9	505869	7013798	Lesser Snow Goose						1	
North	13-Jun-09	11	504728	7013841	Canada Goose						1	
North	13-Jun-09	12	503835	7013817	Canada Goose						1	
North	13-Jun-09	13	503200	7013767	Sandhill Crane						1	
North	13-Jun-09	14	503527	7011599	Northern Pintail			1				
North	13-Jun-09	15	503929	7011586	Northern Pintail		1					
North	13-Jun-09	17	511657	7011821	Long-tailed Duck		1					
North	13-Jun-09	17	511657	7011821	Canada Goose						1	
North	13-Jun-09	18	516152	7011758	Herring Gull						1	
North	13-Jun-09	19	515427	7009854	Canada Goose	1						
North	13-Jun-09	22	507535	7009715	Canada Goose						1	
North	13-Jun-09	23	506683	7009757	Lesser Snow Goose					16		



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
North	13-Jun-09	24	502115	7009843	Canada Goose						1	
North	13-Jun-09	28	506145	7007760	Canada Goose	1						
North	13-Jun-09	29	507352	7007693	Long-tailed Duck		1					
North	13-Jun-09	31	510559	7007714	Lesser Snow Goose					50		
North	13-Jun-09	33	512487	7007584	Long-tailed Duck						1	
North	13-Jun-09	35	515789	7007512	Canada Goose						1	
South	14-Jun-09	104	514077	6971291	Herring Gull	1						
South	14-Jun-09	105	519496	6971213	Canada Goose						1	
South	14-Jun-09	106	520810	6971204	Canada Goose						1	
South	14-Jun-09	107	522089	6971279	Canada Goose						1	
South	14-Jun-09	108	522500	6971277	Herring Gull	1						
South	14-Jun-09	109	524351	6971223	Sandhill Crane	1						
South	14-Jun-09	110	525049	6971228	Sandhill Crane	3						
South	14-Jun-09	112	520977	6973106	Canada Goose						1	
South	14-Jun-09	113	519974	6973220	Herring Gull						1	
South	14-Jun-09	114	519687	6973231	Sandhill Crane						1	
South	14-Jun-09	116	517841	6973185	Herring Gull							
South	14-Jun-09	116	517841	6973185	Scaup species						1	
South	14-Jun-09	117	517313	6973238	Canada Goose						1	
South	14-Jun-09	117	517313	6973238	Long-tailed Duck		1					
South	14-Jun-09	118	514826	6973229	Herring Gull	1						
South	14-Jun-09	119	514404	6973223	Canada Goose						1	
South	14-Jun-09	119	514404	6973223	Long-tailed Duck		1					
South	14-Jun-09	120	513955	6973225	Canada Goose						1	



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
South	14-Jun-09	120	513955	6973225	Long-tailed Duck						1	
South	14-Jun-09	121	513605	6973239	Sandhill Crane	1						
South	14-Jun-09	121	513605	6973239	Long-tailed Duck						1	
South	14-Jun-09	122	513269	6973256	Canada Goose					5		
South	14-Jun-09	123	512702	6973284	Canada Goose						1	
South	14-Jun-09	124	511042	6973241	Long-tailed Duck						2	
South	14-Jun-09	126	511341	6975237	Herring Gull	1						
South	14-Jun-09	127	512715	6975239	Sandhill Crane	1						
South	14-Jun-09	129	516346	6975256	Sandhill Crane	1						
South	14-Jun-09	130	517859	6975221	Canada Goose						1	
South	14-Jun-09	131	520153	6975316	Canada Goose						2	
South	14-Jun-09	132	520320	6975319	Sandhill Crane	3						
South	14-Jun-09	133	521500	6975240	Canada Goose						2	
South	14-Jun-09	134	522967	6975220	Canada Goose	1						
South	14-Jun-09	135	523451	6975224	Sandhill Crane						1	
South	14-Jun-09	136	524362	6975211	Herring Gull					17		
South	14-Jun-09	137	524543	6975227	Canada Goose						1	
South	14-Jun-09	138	526796	6975184	Long-tailed Duck		1					
South	14-Jun-09	140	523437	6977223	Herring Gull	1						
South	14-Jun-09	141	517631	6977246	Sandhill Crane						1	
South	14-Jun-09	142	517269	6977247	Sandhill Crane						1	
South	14-Jun-09	143	516682	6977243	Sandhill Crane						1	
South	14-Jun-09	144	515717	6977235	Canada Goose	1						
South	14-Jun-09	145	514036	6977215	Sandhill Crane	1						
South	14-Jun-09	146	512605	6977189	Canada Goose	1						



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
South	14-Jun-09	147	511760	6977249	Canada Goose						1	
South	14-Jun-09	148	511021	6977272	Lesser Snow Goose					100		
South	14-Jun-09	149	511093	6979227	Canada Goose	1						
South	14-Jun-09	150	511474	6979243	Long-tailed Duck			1	2			
South	14-Jun-09	151	511878	6979238	Herring Gull	1						
South	14-Jun-09	152	512182	6979225	Canada Goose						2	
South	14-Jun-09	153	513197	6979190	Canada Goose						1	
South	14-Jun-09	154	514382	6979183	Lesser Snow Goose					29		
South	14-Jun-09	155	514941	6979194	Sandhill Crane	1						
South	14-Jun-09	156	515839	6979175	Canada Goose	1						
South	14-Jun-09	157	518584	6979289	Long-tailed Duck						1	
South	14-Jun-09	158	519677	6979271	Sandhill Crane	1						
South	14-Jun-09	160	523967	6979210	Northern Pintail		1					
South	14-Jun-09	162	525513	6979208	Herring Gull						1	
South	14-Jun-09	163	526744	6979261	Sandhill Crane	1						
South	14-Jun-09	163	526744	6979261	Canada Goose						1	
Discovery	14-Jun-09	164	546309	6982925	Long-tailed Duck				3			
Discovery	14-Jun-09	165	546991	6983000	Long-tailed Duck			1				
Discovery	14-Jun-09	166	547333	6983027	Tundra Swan	1						
Discovery	14-Jun-09	167	547673	6983048	Canada Goose						1	
Discovery	14-Jun-09	168	550302	6983132	Tundra Swan						1	
Discovery	14-Jun-09	169	551169	6983161	Long-tailed Duck						1	
Discovery	14-Jun-09	170	551698	6983182	Tundra Swan	1						



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Discovery	14-Jun-09	171	552054	6983191	Canada Goose						1	
Discovery	14-Jun-09	172	552487	6983199	Lesser Snow Goose					28		
Discovery	14-Jun-09	173	554725	6983094	Tundra Swan	1						
Discovery	14-Jun-09	174	556153	6983061	Canada Goose						1	
Discovery	14-Jun-09	175	556302	6983068	Tundra Swan						1	
Discovery	14-Jun-09	176	556530	6983076	Long-tailed Duck						1	
Discovery	14-Jun-09	177	556919	6983087	Long-tailed Duck						1	
Discovery	14-Jun-09	178	557469	6983110	Canada Goose						1	
Discovery	14-Jun-09	179	557762	6983129	Herring Gull	1						
Discovery	14-Jun-09	180	558445	6983149	Long-tailed Duck		1					
Discovery	14-Jun-09	181	558830	6983142	Sandhill Crane						1	
Discovery	14-Jun-09	182	559333	6983128	Canada Goose						1	
Discovery	14-Jun-09	183	559711	6983141	Tundra Swan						1	
Discovery	14-Jun-09	184	560318	6983118	Lesser Snow Goose					48		
Discovery	14-Jun-09	185	560922	6983079	Canada Goose					15		
Discovery	14-Jun-09	187	560536	6981192	Tundra Swan						1	
Discovery	14-Jun-09	188	559510	6981209	Canada Goose						1	
Discovery	14-Jun-09	189	559089	6981182	Long-tailed Duck						1	
Discovery	14-Jun-09	190	558584	6981163	Tundra Swan						1	
Discovery	14-Jun-09	191	558202	6981155	Lesser Snow Goose					8		
Discovery	14-Jun-09	192	557752	6981153	Tundra Swan						1	
Discovery	14-Jun-09	192	557752	6981153	Northern Pintail						1	
Discovery	14-Jun-09	193	557327	6981139	Canada Goose						1	



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Discovery	14-Jun-09	194	554304	6981104	Long-tailed Duck						1	
Discovery	14-Jun-09	195	552880	6981115	Long-tailed Duck						1	
Discovery	14-Jun-09	195	552880	6981115	Herring Gull	1						
Discovery	14-Jun-09	196	552266	6981101	Herring Gull					10		
Discovery	14-Jun-09	196	552266	6981101	Long-tailed Duck				2			
Discovery	14-Jun-09	197	551215	6981076	Canada Goose						1	
Discovery	14-Jun-09	198	550470	6981067	Sandhill Crane						1	
Discovery	14-Jun-09	199	550310	6981069	Tundra Swan	1						
Discovery	14-Jun-09	200	548676	6981250	Long-tailed Duck		1					
Discovery	14-Jun-09	201	547869	6981325	Herring Gull	1						
Discovery	14-Jun-09	202	547138	6981344	Herring Gull	1						
Discovery	14-Jun-09	203	546769	6979142	Long-tailed Duck						1	
Discovery	14-Jun-09	204	548260	6979171	Scaup species						1	
Discovery	14-Jun-09	205	548994	6979199	Tundra Swan						2	
Discovery	14-Jun-09	206	549942	6979131	Long-tailed Duck				2			
Discovery	14-Jun-09	207	550319	6979114	Tundra Swan	1						
Discovery	14-Jun-09	208	550849	6979121	Sandhill Crane	1						
Discovery	14-Jun-09	209	551136	6979149	Canada Goose						1	
Discovery	14-Jun-09	209	551136	6979149	Tundra Swan	1						
Discovery	14-Jun-09	210	553145	6979020	Sandhill Crane						2	
Discovery	14-Jun-09	211	553524	6979058	Northern Pintail		1					
Discovery	14-Jun-09	211	553524	6979058	Scaup species						1	
Discovery	14-Jun-09	212	556388	6979217	Unidentified Duck	1						



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Discovery	14-Jun-09	213	557116	6979141	Tundra Swan						1	
Discovery	14-Jun-09	214	559647	6979191	Canada Goose						1	
Discovery	14-Jun-09	216	562045	6979203	Tundra Swan						1	
Discovery	14-Jun-09	217	561799	6977126	Canada Goose						1	
Discovery	14-Jun-09	220	552968	6977192	Tundra Swan						1	
Discovery	14-Jun-09	221	550053	6977060	Herring Gull	1						
Discovery	14-Jun-09	222	546933	6977174	Long-tailed Duck						1	
Discovery	14-Jun-09	223	546609	6977167	Canada Goose						1	
Discovery	14-Jun-09	224	546858	6975062	Common Eider						2	
Discovery	14-Jun-09	225	549087	6975145	Common Eider						2	
Discovery	14-Jun-09	226	553797	6975156	Northern Pintail						1	
Discovery	14-Jun-09	227	554016	6975146	Long-tailed Duck		1					
Discovery	14-Jun-09	228	555316	6975119	Tundra Swan	1						
Discovery	14-Jun-09	230	562671	6975088	Long-tailed Duck						1	
Discovery	14-Jun-09	231	562930	6975094	Canada Goose					6		
Mine	30-Jul-09		546932	6985975	Tundra Swan						1	
Mine	30-Jul-09		544672	6985984	Herring Gull	1						
Mine	30-Jul-09		544134	6985986	Tundra Swan						1	
Mine	30-Jul-09		542734	6986033	Tundra Swan						1	2
Mine	30-Jul-09		542209	6986044	Herring Gull	1						
Mine	30-Jul-09		541982	6986050	Tundra Swan						1	
Mine	30-Jul-09		540178	6986049	Sandhill Crane						1	
Mine	30-Jul-09		539976	6986053	Tundra Swan						1	
Mine	30-Jul-09		539781	6986055	Tundra Swan	1						
Mine	30-Jul-09		538988	6986003	Tundra Swan	1						



APPENDIX B6

Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	30-Jul-09		538638	6986094	Pacific Loon	1						
Mine	30-Jul-09		537800	6986100	Tundra Swan						1	1
Mine	30-Jul-09		536112	6986094	Tundra Swan						1	
Mine	30-Jul-09		535949	6986096	Canada Goose						1	4
Mine	30-Jul-09		533252	6986101	Sandhill Crane						1	
Mine	30-Jul-09		532653	6986111	Sandhill Crane						1	
Mine	30-Jul-09		533123	6987488	Herring Gull	1						
Mine	30-Jul-09		534128	6987951	Canada Goose						2	2
Mine	30-Jul-09		536997	6987937	Pacific Loon						1	
Mine	30-Jul-09		537640	6987891	Long-tailed Duck					5		
Mine	30-Jul-09		539938	6987925	Herring Gull	1						
Mine	30-Jul-09		541505	6987908	Herring Gull	1						
Mine	30-Jul-09		541716	6987901	Long-tailed Duck						1	
Mine	30-Jul-09		547800	6987924	Sandhill Crane						1	
Mine	30-Jul-09		548292	6987910	Tundra Swan						1	
Mine	30-Jul-09		548597	6987884	Unidentified Duck					5		
Mine	30-Jul-09		548922	6989005	Greater White-fronted Goose					5		
Mine	30-Jul-09		546815	6989965	Tundra Swan						1	
Mine	30-Jul-09		542656	6989885	Sandhill Crane						1	
Mine	30-Jul-09		540849	6989861	Canada Goose	3						
Mine	30-Jul-09		539565	6989923	Sandhill Crane						1	
Mine	30-Jul-09		537726	6989935	Tundra Swan						2	
Mine	30-Jul-09		535072	6989915	Tundra Swan						1	
Mine	30-Jul-09		534855	6989919	Sandhill Crane	1						
Mine	30-Jul-09		534832	6991854	Tundra Swan						1	



APPENDIX B6

Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Mine	30-Jul-09		536337	6991883	Tundra Swan	1						
Mine	30-Jul-09		539865	6991869	Herring Gull	1						
Mine	30-Jul-09		542522	6991825	Canada Goose					18		
Mine	30-Jul-09		545361	6991872	Pacific Loon						1	
Mine	30-Jul-09		546561	6991877	Pacific Loon						1	
Mine	30-Jul-09		548731	6993281	Canada Goose					8		
Mine	30-Jul-09		548731	6993281	Lesser Snow Goose	1						
Mine	30-Jul-09		548731	6993984	Canada Goose						2	
Mine	30-Jul-09		548731	6993984	Tundra Swan					6		
Mine	30-Jul-09		548089	6993905	Sandhill Crane						1	
Mine	30-Jul-09		541394	6993976	Sandhill Crane						1	
Mine	30-Jul-09		540814	6993949	Tundra Swan						1	
Mine	30-Jul-09		540283	6993999	Tundra Swan						1	
Mine	30-Jul-09		533825	6993975	Sandhill Crane						2	
North	30-Jul-09		514311	7015871	Tundra Swan						1	
North	30-Jul-09		505488	7015900	Canada Goose					34		
North	30-Jul-09		504122	7015839	Sandhill Crane	1						
North	30-Jul-09		501557	7015821	Herring Gull	1						
North	30-Jul-09		501459	7015831	Red-breasted Merganser	2						
North	30-Jul-09		510153	7013820	Canada Goose					24		
North	30-Jul-09		516083	7013858	Herring Gull	1						
North	30-Jul-09		515929	7011794	Herring Gull	1						
North	30-Jul-09		515448	7011820	Red-throated Loon	1						
North	30-Jul-09		514856	7011839	Canada Goose					9		
North	30-Jul-09		512222	7011764	Canada Goose	1						3



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Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
North	30-Jul-09		505928	7009737	Herring Gull	1						
North	30-Jul-09		509950	7009710	Sandhill Crane					5		
North	30-Jul-09		511627	7009778	Sandhill Crane	1						
North	30-Jul-09		516966	7008609	Sandhill Crane	1						
North	30-Jul-09		516433	7007893	Canada Goose					14		
North	30-Jul-09		513858	7007900	Pacific Loon						1	
North	30-Jul-09		512736	7007873	Canada Goose	3						
North	30-Jul-09		512017	7007809	Long-tailed Duck						1	
North	30-Jul-09		510967	7007787	Long-tailed Duck			1				
North	30-Jul-09		505053	70078675	Canada Goose					8		
South	30-Jul-09		525600	6979196	Lesser Snow Goose					2		
South	30-Jul-09		525600	6979196	Canada Goose					16		
South	30-Jul-09		525312	6979212	Sandhill Crane	1						
South	30-Jul-09		522878	6979253	Canada Goose					6		
South	30-Jul-09		519303	6979290	Sandhill Crane						1	
South	30-Jul-09		517665	6979252	Herring Gull	1						
South	30-Jul-09		515951	6979199	Sandhill Crane						1	
South	30-Jul-09		510805	6978560	Sandhill Crane						1	
South	30-Jul-09		510819	6977930	Sandhill Crane						1	
South	30-Jul-09		516992	6977208	Long-tailed Duck						1	
South	30-Jul-09		417431	6977178	Sandhill Crane	3						
South	30-Jul-09		523294	6977240	Sandhill Crane						2	
South	30-Jul-09		525745	6977464	Herring Gull	1						
South	30-Jul-09		526606	6977258	Herring Gull	1						
South	30-Jul-09		526659	6975166	Sandhill Crane	3						



APPENDIX B6

Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
South	30-Jul-09		523974	6975272	Sandhill Crane	1						
South	30-Jul-09		523535	6975279	Herring Gull	1						
South	30-Jul-09		521177	6975328	Sandhill Crane						1	
South	30-Jul-09		520755	6975325	Canada Goose						2	
South	30-Jul-09		518379	6975186	Herring Gull	1						
South	30-Jul-09		514170	6975252	Herring Gull	1						
South	30-Jul-09		514170	6975252	Sandhill Crane						1	
South	30-Jul-09		510969	6975295	Sandhill Crane	1						
South	30-Jul-09		511282	6973207	Canada Goose						1	
South	30-Jul-09		515006	6973242	Herring Gull	1						
South	30-Jul-09		517993	6973200	Herring Gull	1						
South	30-Jul-09		522119	6973349	Sandhill Crane						1	
South	30-Jul-09		523089	6973291	Canada Goose					6		
South	30-Jul-09		523615	6973239	Herring Gull	1						
South	30-Jul-09		524551	6973179	Herring Gull	1						
South	30-Jul-09		527111	6972857	Herring Gull	1						
South	30-Jul-09		526433	6971255	Unidentified Duck	1						
South	30-Jul-09		522083	6971286	Herring Gull	1						
South	30-Jul-09		521009	6971232	Herring Gull	1						
South	30-Jul-09		519313	6971205	Herring Gull	1						
South	30-Jul-09		515547	6971298	Long-tailed Duck						1	
South	30-Jul-09		513924	6971198	Canada Goose					8		
Discovery	30-Jul-09		559931	6974842	Herring Gull	1						
Discovery	30-Jul-09		557239	6975022	Tundra Swan						2	
Discovery	30-Jul-09		555441	6975129	Sandhill Crane						1	
Discovery	30-Jul-09		553915	6975206	Tundra Swan	1						



APPENDIX B6

Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Discovery	30-Jul-09		551428	6975232	Herring Gull	1						
Discovery	30-Jul-09		549042	6975345	Herring Gull						1	
Discovery	30-Jul-09		550197	6977191	Herring Gull	1						
Discovery	30-Jul-09		551384	6977086	Sandhill Crane	1						
Discovery	30-Jul-09		552059	6977050	Tundra Swan	1						
Discovery	30-Jul-09		560908	6977170	Tundra Swan						1	
Discovery	30-Jul-09		557143	6979140	Tundra Swan						1	
Discovery	30-Jul-09		556349	6979142	Herring Gull	1						
Discovery	30-Jul-09		555121	6979215	Canada Goose	3						
Discovery	30-Jul-09		553966	6979226	Long-tailed Duck						1	
Discovery	30-Jul-09		553327	6979169	Herring Gull	1						
Discovery	30-Jul-09		552921	6979165	Tundra Swan	1						
Discovery	30-Jul-09		552607	6979212	Pacific Loon	3						
Discovery	30-Jul-09		551486	6979287	Herring Gull	1						
Discovery	30-Jul-09		551173	6979313	Sandhill Crane	1						
Discovery	30-Jul-09		548519	697330	Long-tailed Duck		1					
Discovery	30-Jul-09		547476	6979339	Herring Gull	1						
Discovery	30-Jul-09		546987	6979346	Herring Gull	1						
Discovery	30-Jul-09		546962	6981245	Tundra Swan						1	
Discovery	30-Jul-09		548684	6981208	Sandhill Crane						1	
Discovery	30-Jul-09		549099	6981179	Tundra Swan						1	
Discovery	30-Jul-09		551258	6981118	Sandhill Crane						1	
Discovery	30-Jul-09		552287	6981136	Tundra Swan	1						1
Discovery	30-Jul-09		552603	6981142	Herring Gull					5		
Discovery	30-Jul-09		553203	6981203	Long-tailed Duck						1	



APPENDIX B6

Waterfowl Survey Data

Table B6-2: Waterfowl Survey Data – 2009 (continued)

Strata	Date	Waypoint Number	UTM Zone 15 NAD 83		Species	Unknown Singles	Lone Drakes	Lone Females	Grouped Drakes	Mixed Groups	Pair	Number of Young
			Easting	Northing								
Discovery	30-Jul-09		557633	6981069	Tundra Swan						1	
Discovery	30-Jul-09		560211	6981013	Pacific Loon	1						
Discovery	30-Jul-09		561348	6980962	Canada Goose						1	1
Discovery	30-Jul-09		559906	6983185	Sandhill Crane	1						
Discovery	30-Jul-09		557898	6983174	Tundra Swan						1	
Discovery	30-Jul-09		557156	6983247	Pacific Loon					5		
Discovery	30-Jul-09		556674	6983282	Tundra Swan						1	
Discovery	30-Jul-09		556077	6983275	Tundra Swan	1						
Discovery	30-Jul-09		553167	6983308	Unidentified Duck					10		
Discovery	30-Jul-09		547203	6983212	Canada Goose						2	



APPENDIX B7

Loon and Swan Survey Data

Table B7-1: Loon and Swan Nest Survey Data – 1998

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	1998	538700	6990641	Pacific Loon			√	
Exploration	1998	535901	6989192	Pacific Loon			√	
Exploration	1998	540250	6986242	Pacific Loon			√	
Exploration	1998	540650	6985792	Pacific Loon			√	
Exploration	1998	544300	6985492	Pacific Loon			√	
Exploration	1998	539800	6986692	Pacific Loon			√	
Exploration	1998	534201	6988892	Pacific Loon			√	
Exploration	1998	533601	6989092	Pacific Loon			√	
Exploration	1998	537201	6987492	Pacific Loon			√	
Exploration	1998	541900	6987042	Pacific Loon			√	
Exploration	20-23 June 1998	538500	6990741	Pacific Loon	1			
Exploration	20-23 June 1998	534601	6990841	Pacific Loon	2			
Exploration	20-23 June 1998	533601	6989142	Pacific Loon	1			
Exploration	20-23 June 1998	534151	6988992	Pacific Loon	1			
Exploration	20-23 June 1998	536001	6989242	Pacific Loon	2			
Exploration	20-23 June 1998	537401	6987092	Pacific Loon	2			
Exploration	20-23 June 1998	538800	6986992	Pacific Loon	1			
Exploration	20-23 June 1998	539600	6986742	Pacific Loon	2			
Exploration	20-23 June 1998	540100	6986442	Pacific Loon	2			
Exploration	20-23 June 1998	540700	6986042	Pacific Loon	2			
Exploration	20-23 June 1998	544100	6985442	Pacific Loon	1			
Exploration	20-23 June 1998	543100	6986242	Pacific Loon	1			
Exploration	20-23 June 1998	542000	6987242	Pacific Loon	1			
Exploration	June	542800	6985892	Tundra Swan	1			
Exploration	June	536701	6987841	Tundra Swan	1			
Exploration	June	541500	6989192	Tundra Swan	2			
Exploration	June	544150	6985492	Tundra Swan	2			
Exploration	June	534701	6990092	Tundra Swan	2			
Exploration	June	542600	6987542	Tundra Swan	3			
Exploration	July	543050	6985692	Tundra Swan	2			
Exploration	July	544450	6985342	Tundra Swan	2			
Exploration	July	544650	6984592	Tundra Swan	2			
Exploration	July	539250	6985092	Tundra Swan	2			
Exploration	July	536851	6990691	Tundra Swan	2			
Exploration	July	536851	6989991	Tundra Swan	2			
Exploration	July	535251	6987092	Tundra Swan	2			
Exploration	July	533801	6989091	Tundra Swan	2			
Exploration	July	535101	6989391	Tundra Swan	2			
Exploration	June	542900	6985742	Tundra Swan			√	



APPENDIX B7

Loon and Swan Survey Data

Table B7-1: Loon and Swan Nest Survey Data – 1998 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	June	544300	6985492	Tundra Swan			√	
Exploration	June	536851	6989941	Tundra Swan			√	
Exploration	June	534851	6989342	Tundra Swan			√	
Exploration	June	533701	6989042	Tundra Swan			√	

Table B7-2: Loon and Swan Nest Survey Data – 1999

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	1999	538700	6987892	Pacific Loon			√	
Exploration	1999	539850	6987692	Pacific Loon			√	
Exploration	1999	541000	6987242	Pacific Loon			√	
Exploration	1999	540250	6986242	Pacific Loon			√	
Exploration	1999	541350	6985492	Pacific Loon				√
Exploration	1999	542200	6986242	Pacific Loon			√	
Exploration	1999	543200	6985092	Pacific Loon			√	
Exploration	1999	537201	6988792	Pacific Loon				√
Exploration	1999	538200	6987542	Pacific Loon				√
Exploration	1999	538750	6987292	Pacific Loon				√
Exploration	1999	536351	6988642	Pacific Loon				√
Exploration	1999	535051	6989292	Pacific Loon				√
Exploration	1999	533601	6989092	Pacific Loon			√	
Exploration	1999	533951	6989392	Pacific Loon			√	
Exploration	1999	543200	6986092	Pacific Loon			√	
Exploration	1999	541200	6988042	Pacific Loon			√	
Exploration	June	536901	6988992	Pacific Loon	1			
Exploration	June	541550	6985992	Pacific Loon	1			
Exploration	June	542800	6985942	Pacific Loon	1			
Exploration	June	541550	6987542	Pacific Loon	1			
Exploration	June	536701	6989392	Pacific Loon	2			
Exploration	June	536301	6988842	Pacific Loon	2			
Exploration	June	533551	6989042	Pacific Loon	2			
Exploration	June	534851	6989142	Pacific Loon	2			
Exploration	June	535051	6989341	Pacific Loon	2			
Exploration	June	538400	6987992	Pacific Loon	2			
Exploration	June	537501	6991741	Pacific Loon	2			
Exploration	June	538200	6987192	Pacific Loon	2			
Exploration	June	538401	6987242	Pacific Loon	2			
Exploration	June	538600	6987042	Pacific Loon	2			



APPENDIX B7

Loon and Swan Survey Data

Table B7-2: Loon and Swan Nest Survey Data – 1999 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	June	540850	6987242	Pacific Loon	2			
Exploration	June	541100	6987242	Pacific Loon	2			
Exploration	June	542200	6986142	Pacific Loon	2			
Exploration	June	543450	6985842	Pacific Loon	2			
Exploration	June	543250	6984992	Pacific Loon	2			
Exploration	June	534301	6988792	Pacific Loon	2			
Exploration	June	539900	6987642	Pacific Loon	2			
Exploration	June	543300	6985192	Pacific Loon	2			
Exploration	June	536351	6988542	Tundra Swan	1			
Exploration	June	536351	6988342	Tundra Swan	1			
Exploration	June	537251	6987292	Tundra Swan	1			
Exploration	June	537451	6987242	Tundra Swan	1			
Exploration	June	535001	6988292	Tundra Swan	1			
Exploration	June	534801	6988991	Tundra Swan	1			
Exploration	June	535001	6988941	Tundra Swan	1			
Exploration	June	533401	6989242	Tundra Swan	1			
Exploration	June	533601	6989241	Tundra Swan	1			
Exploration	June	543000	6985992	Tundra Swan	1			
Exploration	June	542750	6985692	Tundra Swan	1			
Exploration	June	543700	6984592	Tundra Swan	1			
Exploration	June	544350	6985342	Tundra Swan	1			
Exploration	June	543300	6986942	Tundra Swan	1			
Exploration	June	533551	6988892	Tundra Swan	2			
Exploration	June	538600	6985642	Tundra Swan	2			
Exploration	June	544150	6985242	Tundra Swan	2			
Exploration	June	543700	6985942	Tundra Swan	2			
Control	June	538500	6980942	Pacific Loon	1			
Control	June	537201	6980342	Pacific Loon	1			
Control	June	535301	6984242	Pacific Loon	2			
Control	June	534001	6985642	Pacific Loon	2			
Control	June	532051	6986142	Pacific Loon	2			
Control	June	531801	6986092	Pacific Loon	2			
Control	June	531701	6984642	Pacific Loon	2			
Control	June	537501	6981742	Pacific Loon	2			
Control	June	539600	6982892	Pacific Loon	2			
Control	June	533801	6982742	Pacific Loon	2			
Control	June	534601	6981742	Pacific Loon	2			
Control	June	540450	6977742	Tundra Swan	2			
Exploration	July	539900	6989941	Pacific Loon	1			



APPENDIX B7

Loon and Swan Survey Data

Table B7-2: Loon and Swan Nest Survey Data – 1999 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	July	537200	6988692	Pacific Loon	1			
Exploration	July	536651	6988642	Pacific Loon	1			
Exploration	July	536401	6988542	Pacific Loon	1			
Exploration	July	534751	6989942	Pacific Loon	1			
Exploration	July	539350	6987792	Pacific Loon	1			
Exploration	July	541450	6987792	Pacific Loon	1			
Exploration	July	540300	6986242	Pacific Loon	1			
Exploration	July	544300	6985442	Pacific Loon	1			
Exploration	July	533851	6988942	Pacific Loon	2			
Exploration	July	534251	6989392	Pacific Loon	2			
Exploration	July	540900	6989491	Pacific Loon	2			
Exploration	July	538050	6987392	Pacific Loon	2			
Exploration	July	538800	6987292	Pacific Loon	2			
Exploration	July	541200	6985542	Pacific Loon	2			
Exploration	July	532751	6990942	Tundra Swan	1			
Exploration	July	541200	6987842	Tundra Swan	1			
Exploration	July	539900	6987342	Tundra Swan	1			
Exploration	July	540200	6986942	Tundra Swan	1			
Exploration	July	541150	6985542	Tundra Swan	1			
Exploration	July	544500	6985192	Tundra Swan	1			
Exploration	July	545300	6984292	Tundra Swan	1			
Exploration	July	544200	6985592	Tundra Swan	1			
Exploration	July	543900	6986142	Tundra Swan	1			
Exploration	July	544000	6986642	Tundra Swan	1			
Exploration	July	542750	6987092	Tundra Swan	1			
Exploration	July	542700	6987492	Tundra Swan	1			
Exploration	July	538050	6988742	Tundra Swan	2			
Exploration	July	536701	6988842	Tundra Swan	2			
Exploration	July	536351	6989341	Tundra Swan	2			
Exploration	July	534851	6989442	Tundra Swan	2			
Exploration	July	534251	6989392	Tundra Swan	2			
Exploration	July	533601	6989442	Tundra Swan	2			
Exploration	July	532801	6989791	Tundra Swan	2			
Exploration	July	535101	6991741	Tundra Swan	2			
Exploration	July	541550	6987342	Tundra Swan	2			
Exploration	July	540250	6987642	Tundra Swan	2			
Exploration	July	540700	6986942	Tundra Swan	2			
Exploration	July	539300	6985942	Tundra Swan	2			
Exploration	July	539500	6985742	Tundra Swan	2			



APPENDIX B7

Loon and Swan Survey Data

Table B7-2: Loon and Swan Nest Survey Data – 1999 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	July	540500	6985442	Tundra Swan	2			
Exploration	July	541800	6985992	Tundra Swan	2			
Exploration	July	542650	6985842	Tundra Swan	2			
Exploration	July	542850	6985892	Tundra Swan	2			
Exploration	July	541800	6985142	Tundra Swan	2			
Exploration	July	543800	6984892	Tundra Swan	2			
Exploration	July	544300	6984942	Tundra Swan	2			
Exploration	July	544550	6984742	Tundra Swan	2			
Exploration	July	544100	6985742	Tundra Swan	2			
Exploration	July	541500	6985242	Tundra Swan	3			
Exploration	July	540200	6985842	Tundra Swan	7			
Exploration	July	540500	6984942	Tundra Swan	7			
Control	July	531601	6983992	Pacific Loon	1			
Control	July	538501	6981142	Pacific Loon	1			
Control	July	535801	6980642	Pacific Loon	1			
Control	July	537651	6979992	Pacific Loon	1			
Control	July	538600	6979342	Pacific Loon	1			
Control	July	537901	6982842	Pacific Loon	2			
Control	July	539400	6980392	Pacific Loon	2			
Control	July	540600	6977742	Pacific Loon	2			
Control	July	530801	6984942	Tundra Swan	1			
Control	July	538600	6983192	Tundra Swan	2			
Control	July	538900	6982992	Tundra Swan	2			
Control	July	539600	6982542	Tundra Swan	2			
Control	July	540100	6983242	Tundra Swan	2			
Control	July	537251	6980342	Tundra Swan	2			
Control	July	535201	6985042	Tundra Swan	2			
Control	July	532601	6985542	Tundra Swan	2			
Control	July	531601	6985442	Tundra Swan	2			
Exploration	June	542900	6985742	Tundra Swan			√	
Exploration	June	544300	6985492	Tundra Swan			√	
Exploration	June	533701	6989042	Tundra Swan			√	
Exploration	June	535051	6989341	Tundra Swan				√
Exploration	June	536301	6988542	Tundra Swan				√



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Loon and Swan Survey Data

Table B7-3: Loon and Swan Nest Survey Data – 2000

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	July	537601	6987542	Pacific Loon	1			
Exploration	July	538201	6987492	Pacific Loon	1			
Exploration	July	538000	6987192	Pacific Loon	1			
Exploration	July	540300	6986342	Pacific Loon	1			
Exploration	July	542200	6988542	Pacific Loon	1			
Exploration	July	542200	6986742	Pacific Loon	1			
Exploration	July	541400	6985242	Pacific Loon	1			
Exploration	July	544100	6986042	Pacific Loon	1			
Exploration	July	543500	6986242	Pacific Loon	1			
Exploration	July	541600	6985742	Pacific Loon	1			
Exploration	July	541650	6986442	Pacific Loon	1			
Exploration	July	538500	6988292	Pacific Loon	2			
Exploration	July	536201	6988591	Pacific Loon	2			
Exploration	July	534701	6990041	Pacific Loon	2			
Exploration	July	542000	6988542	Pacific Loon	2			
Exploration	July	542400	6986642	Pacific Loon	2			
Exploration	July	543100	6986942	Pacific Loon	3			
Exploration	July	538201	6987242	Pacific Loon				√
Exploration	July	541700	6985792	Pacific Loon				√
Exploration	July	542400	6986142	Pacific Loon				√
Exploration	July	541550	6985142	Pacific Loon				√
Exploration	July	544350	6985292	Pacific Loon				√
Exploration	July	537251	6987142	Tundra Swan	1			
Exploration	July	534001	6989141	Tundra Swan	1			
Exploration	July	533801	6989291	Tundra Swan	1			
Exploration	July	538750	6985792	Tundra Swan	2			
Exploration	July	539450	6986792	Tundra Swan	2			
Exploration	July	543350	6985742	Tundra Swan	2			
Exploration	July	542050	6988442	Tundra Swan	2			
Exploration	July	542250	6987492	Tundra Swan	2			
Exploration	July	538750	6988092	Tundra Swan	2			
Exploration	July	542450	6985792	Tundra Swan	2			
Exploration	July	542600	6985892	Tundra Swan	2			
Exploration	July	535351	6989341	Tundra Swan	2			
Exploration	July	534701	6989291	Tundra Swan	2			
Exploration	July	534101	6988842	Tundra Swan	2			
Exploration	July	534001	6989042	Tundra Swan	2			
Exploration	July	533601	6989442	Tundra Swan	2			
Exploration	July	533351	6989591	Tundra Swan	2			



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Loon and Swan Survey Data

Table B7-3: Loon and Swan Nest Survey Data – 2000 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	July	544000	6984942	Tundra Swan	2			
Exploration	July	544400	6984492	Tundra Swan	2			
Exploration	July	544900	6984492	Tundra Swan	2			
Exploration	July	544150	6985042	Tundra Swan	3			
Exploration	July	542250	6988192	Tundra Swan	4			
Exploration	July	542350	6988442	Tundra Swan	7			
Exploration	July	535051	6989242	Tundra Swan				√
Exploration	July	536751	6988642	Tundra Swan				√
Exploration	July	544300	6985142	Tundra Swan				√
Control	July	535301	6985092	Pacific Loon	1			
Control	July	532951	6985542	Pacific Loon	1			
Control	July	539650	6982192	Pacific Loon	1			
Control	July	540450	6981492	Pacific Loon	1			
Control	July	538300	6981342	Pacific Loon	1			
Control	July	538651	6980492	Pacific Loon	1			
Control	July	539950	6980392	Pacific Loon	1			
Control	July	540300	6980192	Pacific Loon	1			
Control	July	540450	6978842	Pacific Loon	1			
Control	July	540750	6978192	Pacific Loon	1			
Control	July	538551	6978892	Pacific Loon	1			
Control	July	534451	6981342	Pacific Loon	1			
Control	July	532101	6984942	Pacific Loon	2			
Control	July	530651	6984792	Pacific Loon	2			
Control	July	537850	6982192	Pacific Loon	2			
Control	July	540400	6979742	Pacific Loon	2			
Control	July	540200	6978042	Pacific Loon	2			
Control	July	537501	6980142	Pacific Loon	2			
Control	July	535951	6980442	Pacific Loon	3			
Control	July	540150	6978092	Pacific Loon				√
Control	July	530601	6984892	Pacific Loon				√
Control	July	533101	6985392	Pacific Loon				√
Control	July	535301	6985142	Pacific Loon				√
Control	July	537651	6981992	Pacific Loon				√
Control	July	534551	6981592	Pacific Loon				√
Control	July	539050	6980642	Pacific Loon				√
Control	July	539450	6980592	Pacific Loon				√
Control	July	539450	6982142	Pacific Loon				√
Control	July	540450	6981692	Pacific Loon				√
Control	July	540350	6978842	Pacific Loon				√



APPENDIX B7

Loon and Swan Survey Data

Table B7-3: Loon and Swan Nest Survey Data – 2000 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Control	July	535651	6981142	Tundra Swan	1			
Control	July	540400	6977692	Tundra Swan	2			
Control	July	537150	6980442	Tundra Swan	2			
Control	July	535951	6983442	Tundra Swan	2			
Control	July	535551	6984692	Tundra Swan	2			
Control	July	530401	6984792	Tundra Swan	2			
Control	July	532301	6986842	Tundra Swan	2			
Control	July	540400	6977992	Tundra Swan				√
Exploration	August	538000	6987442	Pacific Loon	1			
Exploration	August	534051	6991041	Pacific Loon	1			
Exploration	August	533801	6990741	Pacific Loon	1			
Exploration	August	540000	6986242	Pacific Loon	1			
Exploration	August	544150	6985842	Pacific Loon	1			
Exploration	August	541800	6985442	Pacific Loon	1			
Exploration	August	538201	6987242	Pacific Loon	2			
Exploration	August	536201	6989442	Pacific Loon	2			
Exploration	August	535501	6989642	Pacific Loon	2			
Exploration	August	534801	6989292	Pacific Loon	2			
Exploration	August	533501	6989142	Pacific Loon	2			
Exploration	August	533701	6989141	Pacific Loon	2			
Exploration	August	541700	6984992	Pacific Loon	2			
Exploration	August	541500	6985542	Pacific Loon	2			
Exploration	August	541500	6986242	Pacific Loon	2			
Exploration	August	541800	6986242	Pacific Loon	2			
Exploration	August	541700	6988992	Pacific Loon	3			
Exploration	August	539100	6986692	Pacific Loon	4			
Exploration	August	543350	6984842	Pacific Loon	4			
Exploration	August	538350	6986942	Pacific Loon		2		
Exploration	August	541850	6985592	Pacific Loon		1		
Exploration	August	542100	6986342	Pacific Loon		2		
Exploration	August	541800	6986792	Pacific Loon		2		
Exploration	August	542600	6985492	Pacific Loon		1		
Exploration	August	544150	6985542	Pacific Loon		1		
Exploration	August	534701	6990691	Pacific Loon		2		
Exploration	August	537750	6986292	Tundra Swan	1			
Exploration	August	536251	6989592	Tundra Swan	1			
Exploration	August	538600	6984892	Tundra Swan	2			
Exploration	August	539150	6986692	Tundra Swan	2			
Exploration	August	541600	6985692	Tundra Swan	2			



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Loon and Swan Survey Data

Table B7-3: Loon and Swan Nest Survey Data – 2000 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Exploration	August	542050	6985692	Tundra Swan	2			
Exploration	August	542400	6985942	Tundra Swan	2			
Exploration	August	536551	6988742	Tundra Swan	2			
Exploration	August	536800	6988492	Tundra Swan	2			
Exploration	August	536451	6989642	Tundra Swan	2			
Exploration	August	542550	6985992	Tundra Swan	2			
Exploration	August	534501	6989442	Tundra Swan	2			
Exploration	August	534301	6989442	Tundra Swan	2			
Exploration	August	533051	6989792	Tundra Swan	2			
Exploration	August	534801	6990841	Tundra Swan	2			
Exploration	August	543850	6984842	Tundra Swan	2			
Exploration	August	544550	6984742	Tundra Swan	2			
Exploration	August	544900	6984592	Tundra Swan	2			
Exploration	August	541550	6984892	Tundra Swan	3			
Exploration	August	536701	6989492	Tundra Swan	3			
Exploration	August	536551	6988542	Tundra Swan		2		
Exploration	August	537001	6988492	Tundra Swan		3		
Exploration	August	536301	6989491	Tundra Swan		3		
Exploration	August	544550	6985092	Tundra Swan		3		
Exploration	August	544350	6984742	Tundra Swan		3		
Exploration	August	543950	6984642	Tundra Swan		3		
Control	August	534151	6985142	Pacific Loon	1			
Control	August	539650	6980692	Pacific Loon	1			
Control	August	535101	6985142	Pacific Loon	2			
Control	August	537501	6981792	Pacific Loon	2			
Control	August	537750	6981692	Pacific Loon	2			
Control	August	538900	6980492	Pacific Loon	2			
Control	August	540100	6979942	Pacific Loon	2			
Control	August	540150	6979142	Pacific Loon	2			
Control	August	540200	6977792	Pacific Loon	2			
Control	August	540500	6977742	Pacific Loon	2			
Control	August	529901	6984792	Pacific Loon	3			
Control	August	531801	6985942	Pacific Loon	6			
Control	August	537501	6981742	Pacific Loon		1		
Control	August	538750	6980542	Pacific Loon		1		
Control	August	539700	6980592	Pacific Loon		1		
Control	August	540450	6978092	Pacific Loon		1		
Control	August	537401	6980192	Tundra Swan	2			
Control	August	535151	6985192	Tundra Swan	2			



APPENDIX B7

Loon and Swan Survey Data

Table B7-3: Loon and Swan Nest Survey Data – 2000 (continued)

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest Lake	Nest Location
		Easting	Northing					
Control	August	539550	6982892	Tundra Swan	2			
Control	August	529301	6984792	Tundra Swan	2			
Control	August	529751	6984542	Tundra Swan	2			
Control	August	530051	6984792	Tundra Swan	2			
Control	August	530751	6984642	Tundra Swan	2			
Control	August	535401	6984842	Tundra Swan		3		
Control	August	540550	6977742	Tundra Swan		3		

Table B7-4: Loon and Swan Nest Survey Data – 2009

Area	Date	UTM Zone 15 NAD 83		Species	Number of Adults	Number of Young	Nest?
		Easting	Northing				
Exploration	16-Jun-09	542339	6987422	Tundra Swan	1	0	√
Exploration	16-Jun-09	544581	6985754	Pacific Loon	2	0	
Exploration	16-Jun-09	543860	6986119	Tundra Swan	2	0	
Exploration	16-Jun-09	542695	6986069	Tundra Swan	2	0	√
Exploration	16-Jun-09	540261	6986275	Tundra Swan	1	0	√
Exploration	16-Jun-09	539585	6985381	Tundra Swan	2	0	
Exploration	16-Jun-09	538190	6987455	Pacific Loon	4	0	
Exploration	16-Jun-09	538140	6987233	Pacific Loon	2	0	
Exploration	16-Jun-09	536796	6987614	Pacific Loon	2	0	
Exploration	16-Jun-09	534963	6989312	Tundra Swan	1	0	√
Exploration	16-Jun-09	537433	6990060	Tundra Swan	4	0	
Exploration	31-Jul-09	540804	6986494	Tundra Swan	2	2	
Exploration	31-Jul-09	541841	6985858	Tundra Swan	2		
Exploration	31-Jul-09	542274	6985910	Pacific Loon	2	2	
Exploration	31-Jul-09	543016	6985469	Tundra Swan	2	2	
Exploration	31-Jul-09	543784	6985690	Tundra Swan	2		
Exploration	31-Jul-09	544124	6985015	Tundra Swan	2	4	
Exploration	31-Jul-09	544207	6984812	Pacific Loon	2		
Exploration	31-Jul-09	542875	6984607	Pacific Loon	1		
Exploration	31-Jul-09	541997	6984792	Pacific Loon	1		√
Exploration	31-Jul-09	540963	6984639	Pacific Loon	2	2	
Exploration	31-Jul-09	540065	6985783	Tundra Swan	1		
Exploration	31-Jul-09	539937	6985613	Tundra Swan	2		
Exploration	31-Jul-09	539476	6985147	Pacific Loon	1		
Exploration	31-Jul-09	537889	6988617	Tundra Swan	2		
Exploration	31-Jul-09	537773	6988671	Tundra Swan	2		
Exploration	31-Jul-09	538818	6987662	Pacific Loon	2		



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Loon and Swan Survey Data

Table B7-4 Loon and Swan Nest Survey Data – 2009 (continued)

Exploration	31-Jul-09	536726	6989103	Tundra Swan	2	2	
Exploration	31-Jul-09	534644	6989347	Tundra Swan	2	1	
Exploration	31-Jul-09	534259	6989272	Pacific Loon	2		
Exploration	31-Jul-09	533533	6989475	Tundra Swan	2	1	
Control	31-Jul-09	538475	6984807	Tundra Swan	2		
Control	31-Jul-09	537915	6983352	Pacific Loon	2		
Control	31-Jul-09	539432	6981847	Pacific Loon	1		
Control	31-Jul-09	539469	6981768	Tundra Swan	2		
Control	31-Jul-09	537073	6980340	Pacific Loon	1		
Control	31-Jul-09	537152	6980048	Tundra Swan	2		
Control	31-Jul-09	537395	6979875	Pacific Loon	1		
Control	31-Jul-09	535353	6984799	Pacific Loon	2	1	
Control	31-Jul-09	535043	6984594	Tundra Swan	2	3	
Control	31-Jul-09	530109	6984382	Common Loon	2		
Control	31-Jul-09	529305	6984583	Tundra Swan	2		
Control	31-Jul-09	537458	6987449	Tundra Swan	2		
Control	31-Jul-09	540782	6988164	Pacific Loon	2		
Control	31-Jul-09	537887	6985644	Tundra Swan	2	2	
Control	31-Jul-09	540313	6977946	Tundra Swan	2		
Control	31-Jul-09	540458	6977741	Tundra Swan	3		
Control	31-Jul-09	540282	6977964	Tundra Swan	2		
Control	31-Jul-09	540322	6977477	Pacific Loon	2		
Control	31-Jul-09	540360	6977902	Tundra Swan	2		
Control	31-Jul-09	540896	6978338	Red-throated Loon	2		
Control	31-Jul-09	540545	6978002	Tundra Swan	2		
Control	31-Jul-09	540333	6980164	Pacific Loon	1		√
Control	31-Jul-09	541164	6981008	Pacific Loon	2	1	
Control	31-Jul-09	537606	6982902	Tundra Swan	2		
Control	31-Jul-09	537099	6983055	Tundra Swan	4		
Control	31-Jul-09	537337	6982873	Pacific Loon	1		
Control	31-Jul-09	534327	6983473	Pacific Loon	2		
Control	31-Jul-09	534216	6983216	Pacific Loon	1		
Control	31-Jul-09	532476	6984672	Tundra Swan	2		
Control	31-Jul-09	533085	6983803	Tundra Swan	1		



APPENDIX B8

Incidental Species Observations

Table B8-1: Incidental Species Observations - 1998

Date	Species/Track	Units/Sex	Sighting Location	Activity/Comments
22-Feb-98	Arctic fox	2/?	Camp	Examining sewage
16-Mar-98	Arctic fox	1/?	Camp	Scavenging, ran away
26-Mar-98	Arctic fox	1/?	Camp	Hiding over Boart seatainer
24-Apr-98	Ptarmigan	6/?	Jet 'A' cache	Flew 20 yds and stayed nearby
24-Apr-98	Arctic hare	1/?	Diesel cache	Hopped around tanks
05-Mar-98	Arctic ground squirrel	1/?	Diesel cache	
06-May-98	Caribou	2/?	Between Tiriganiaq and Lake A8	Running away
06-May-98	Caribou	2/	Esker near camp	Grazing
07-May-98	Caribou	12/	Peter lake	Hunted by human man on machine
07-May-98	Geese	2	Diane River	Flying south
07-May-98	Arctic ground squirrel	2/m, 1/f	Meliadine outlet to bay	Staring at us
10-May-98	Wolf tracks?	1/?	Near tent rings	Long gone
16-May-98	Geese	3/?	Camp	Flying
19-May-98	Geese	2/?	NE end of Lake A8	Flying NE
19-May-98	Sandhill Cranes	2mf	Ridge west of Lake A54	Mating dance, walking
22-May-98	Swans	?	Islands across camp	Grazing
26-May-98	Sandhill Cranes	2	Wolf Lake outcrop (cairn)	Grazing
21-May-98	Caribou	3m	Walking on lake	
16-Jun-98	Caribou	1f	Between drill 3 & 2	Trotting
21-Jun-98	Arctic fox	1/?	Longyear yard	Frolicking
28-Jun-98	Arctic fox	1/?	696494/541108 Lake A8	Frocking
30-Jun-98	Caribou	3	0.6 km west of camp	Spooked by chopper
29-Jul-98	Arctic foxes	6/?	Family of pups at Boart gear	Running around
26-Aug-98	Snow Geese	46/?	Shore on Lake A8	Heading south

Table B8-2: Incidental Wildlife Observations – 1999

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
14-Dec-98	Polar bear	2	Meliadine Lake	Mother and cub, travelling north
17-Apr-99	Ptarmigan	9	Tz 1001	Flying
01-May-99	Arctic hare	5	Behind 16 man sleeper	Not much
02-May-99	Arctic fox	1	Near drill #2 Tiriganiaq	Winter white colour, near drill



APPENDIX B8

Incidental Species Observations

Table B8-2: Incidental Wildlife Observations – 1999 (continued)

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
02-May-99	Arctic hare	1	5 m from office door, in camp	Running through camp, white with blk-tipped ears
04-May-99	Ptarmigan	20-30	Out at drills, Tiriganiaq	Flying north at dusk
04-May-99	Arctic hare	1	On winter road, near diesel tanks	Using rock as wind break
09-May-99	Arctic ground squirrel	2	Hill beyond diesel cache	Mating
09-May-99	Ptarmigan	~20	Near survey point TZ1001	Flying SE, 3 shot by local hunter
09-May-99	Arctic fox	1	In camp near kitchen	Roaming about, looking for food
11-May-99	Sandhill Crane	1	Over Boart yard	Flying southwest
11-May-99	Arctic ground squirrel	3	Near drill#3, TZ1001	At entrance to freshly dug out snow tunnels, blood and feces near entrance
12-May-99	Tundra Swan	1	Newy lake	Flying west
12-May-99	Ptarmigan	10	Out at drills	On ground, took to wing
12-May-99	Snow Geese	15-20	Over drills	Flying north
12-May-99	Arctic ground squirrel	5	Around drill sites	Emerging from fresh tunnels
13-May-99	Snow Geese	~25		Flock, flying southwest
14-May-99	Arctic ground squirrel	1	NW of camp, Meliadine Lake	Running
14-May-99	Arctic ground squirrel	1	100 m E of rec tent	Running towards kitchen
15-May-99	Sandhill Crane	2	Flying over camp	Flying north
15-May-99	Ptarmigan	5-10	Near drills, over winter road	Flying
15-May-99	Snow Buntings	20-30	Around camp	Flying
16-May-99	Arctic ground squirrel	2	200 m SE of Lake A54	Running north
16-May-99	Ptarmigan	4	300 m E of Lake A54	Flying north
16-May-99	Sandhill Crane	2	200 m E of Lake A54	Flying north
16-May-99	Arctic ground squirrel	2	800 m E of Lake A8	Running north
17-May-99	Sandhill Crane	6	Flew over camp	Flying north
17-May-99	Sandhill Crane	20	Over camp	Flying, 5 groups of 3-5 birds, calling



APPENDIX B8

Incidental Species Observations

Table B8-2: Incidental Wildlife Observations – 1999 (continued)

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
18-May-99	Arctic ground squirrel	2	500 m NE of drill#1	Running, slowly
19-May-99	Arctic hare	1	Near cabins, 4-5 km southeast of camp	Running from under cabin to esker hill top
22-May-99	Arctic fox	1	Camp, near kitchen	0200 hours, wandering around looking for food
26-May-99	Arctic ground squirrel	1	Near diesel tanks	Looking
26-May-99	Sandhill Crane	1	Over camp	Flying west
31-May-99	Ptarmigan	2	Between office and rec tent	On ice patch, courting male and female
04-Jun-99	Pintail Duck	2	West of camp	
10-Jun-99	Arctic ground squirrel	6	Near TZ1001 survey station	1 female and 5 pups, carrying newborns between holes
12-Jun-99	Sandpiper	3-5	In camp	Picking in exposed mud holes
15-Jun-99	Sandpiper	1	Just north of camp, on peninsula	On nest with 4 eggs, she tried to distract me away
19-Jun-99	Arctic fox	1	At drill#3	Walking around drill site
22-Jun-99	Pintail/oldsquaw? Ducks	4	Off-shore, west of camp	Flying and swimming in the open water
25-Jun-99	Golden Plover	1	Near collar location M99-391, N of TZ1001 by 300 m	On nest with 4 eggs, bird distracting me, eggs were mottled green/brown in colour
25-Jun-99	Pintail/oldsquaw? Ducks	3	On lake SE of outcrop	Swimming along shore, feeding
27-Jun-99	Tundra Swan	3	On lake SE of outcrop	Swimming
27-Jun-99	Arctic fox	1	In camp	Walking down boardwalk, near 16 man sleeper
28-Jun-99	Caribou	8	1-2 km north of camp	Heading east
28-Jun-99	Caribou	4	West of camp at DD#3	Heading north
09-Jul-99	Caribou	2	3 km east of Meliadine Lake	Walking east
16-Jul-99	Caribou	5000-6000	Around Parallel Lake	Walking in herds, seem to be herding northeast
18-Jul-99	Tundra Swan	2	On lake SE of outcrop	1 on water, 1 making repeated flying passes over lake, flapping wings-bird on water
18-Jul-99	Sandhill Crane	2	On ridge, near eastern end of lake, at SM005 control point	Seen from 200 m, calling



APPENDIX B8

Incidental Species Observations

Table B8-2: Incidental Wildlife Observations – 1999 (continued)

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
19-Jul-99	Sandhill Crane	4	Western edge of lake, near control STA1005, W	2 adults and 2 chicks
21-Jul-99	Peregrine Falcon	1	On top of radio tower, in camp	Sitting, looking around...hunting??
22-Jul-99	Peregrine Falcon	1	In camp	Perched on antenna tower, near ATCO trailer, stayed perched or a long time, has been seen for a few days
23-Jul-99	Peregrine Falcon	1	In camp	Perched on antenna tower, near ATCO trailers, seen in the morning and evening...calling loudly
23-Jul-99	Caribou	1	Near narrows, NW end of Parallel Lake, near archeological site	Lone caribou, waking
24-Jul-99	Pintail/oldsquaw? Ducks	6	On small lake, W of TZ1001 survey point	2 nd lake of 3, swimming and diving on my approach, female and 5 ducklings

Table B8-3: Incidental Wildlife Observations – 2000

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
12-Mar-00	Caribou	4	NE of camp on islands-800m	Grazing
20-Mar-00	Caribou	9	N of camp, across from water pump-300m	Grazing
21-24-Mar-00	Caribou	10 to 20	NE of camp, across lake	Grazing on top of eskers
27-Mar-00	Caribou	20 to 30	1 km south of camp	Grazing
31-Mar-00	Caribou	200 to 300?	Islands and shoreline down Meliadine Lake	Grazing
18-May-00	Snow Goose	6?	Flying NE over camp	
18-May-00	Sandhill Crane	2?	Flying NE over camp	
18-May-00	Arctic ground squirrel	1	At Jet B barrels	First of the year, looking around, yawning
28-May-00	Goose	14?	Flying south-north	Going to summer grounds
05-Jun-00	Sandhill Crane	2?	Bay behind camp	Flying/grazing
10-Jun-00	Tundra Swan	2	F zone	Picking out nest site
10-Jun-00	Rough-legged Hawk	1	1.5 miles W of camp	Hunting
11-Jun-00	Canada Goose	40	Flew over camp heading north	Transitting



APPENDIX B8

Incidental Species Observations

Table B8-3: Incidental Wildlife Observations – 2000 (continued)

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
11-Jun-00	Snow Goose	10	Flew over camp heading north	Transitting
15-Jun-00	Arctic fox	1?	5 km SW of camp	Zigzagging along shoreline
15-Jun-00	Raptors/hawks?	2?	1 km W of camp	Flying, diving, soaring, 1 perched
15-Jun-00	Canada Goose	20?	3 km SW of camp	Pitched, then to wing, heading NW
15-Jun-00	Pintail/oldsquaw?	2	In bay west of camp	Male/female, on ice at waters edge
15-Jun-00	Ducks?	4	In pond at W end of bay, W of camp	2 mated pairs, swimming together
15-Jun-00	Arctic ground squirrel	1?	In camp, near core racks	Running around near racks
16-Jun-00	Pintail/oldsquaw?	3	In bay W of camp	Territorial dispute
16-Jun-00	Loons	2	In "grayling" pond W of camp	Swimming in pond
16-Jun-00	Canada Goose	7	W of camp, near W end of bay	Flying, pitched
19-Jun-00	Tundra Swan	5?	West bay, near tent rings	Flying north in formation
19-Jun-00	Oldsquaw	2?	West bay, in open water	Swimming, mated pair
19-Jun-00	Merganser	2	West bay	Flying nw toward tent rings
19-Jun-00	Canada Goose	20?	Over esker to W of camp	Flying in formation, westerly direction
20-Jun-00	Tundra Swan	2	Couple of km E of Meliadine headwaters	Mated pair, one on shore, one wading in water
20-Jun-00	Canada Goose	20?	Near headwaters of Meliadine Lake	Flying in formation, heading NW
25-Jun-00	Pintail/oldsquaw?	2	Near water pump at camp	Pair, swimming around, calling
25-Jun-00	Pintail/oldsquaw?	2	On west bay, near west end	Pair, swimming around in open water, flew away at our approach
25-Jun-00	Arctic ground squirrel	1?	In camp on pathway	Sitting, looking around, ran off
28-Jun-00	Snow Goose	100s	Flying south to north	Migration
30-Jun-00	Arctic ground squirrel	1	Camp/office area	Carrying a lemming in its mouth
01-Jul-00	Goose	?	5 km south of camp	At least 20 flocks through the day
07-Jul-00	Tundra Swan	3	1 km S of camp on Meliadine Lake	Flying, swimming along edge of ice



APPENDIX B8

Incidental Species Observations

Table B8-3: Incidental Wildlife Observations – 2000 (continued)

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
07-Jul-00	Oldsquaw	2	West of camp, west end of bay	Pair, swimming at lake edge
07-Jul-00	Oldsquaw	2	At shoreline west of camp	Pair, swimming and flying near lake edge
08-Jul-00	Arctic ground squirrel	2	In camp, on walkways	Chasing each other
08-Jul-00	Polar bear	1	10 km east of Discovery Camp	Called in by Comaplex geologist
08-Jul-00	Tundra Swan	1	4 km east of Peter Lake camp	Swimming
08-Jul-00	Sandhill Crane	4	4 km west of Meliadine River	1 running, 3 flying
09-Jul-00	Canada Goose	2	Outlet, 400 m S of camp	Mated pair, flying SE, calling
09-Jul-00	Loon	2	Flying over camp	Flying nw of camp
09-Jul-00	Oldsquaw	4	Just west of camp, on west bay	Swimming in a line, headed north
09-Jul-00	Tundra Swan	2	Behind drill yard on small pond	Swimming
09-Jul-00	Loon	2	Behind drill yard on small pond	Mated pair, swimming, flapping wings
09-Jul-00	Oldsquaw	5	Behind drill yard on small pond	On shore, then swam up and flew east
09-Jul-00	Tundra Swan	1	NAD83; 6989000n 533000e	Sitting on nest, southeast of exploration area
11-Jul-00	Tundra Swan	5	On pond behind drill yard	Swimming
15-Jul-00	Caribou	3	East peninsula, Meliadine Lake	Grazing
15-Jul-00	Tundra Swan	3	Pond, south of drill yard	Wading, swimming in lake
15-Jul-00	Loon	2	Bay east of camp	Swimming, calling
14-Aug-00	Sandhill Crane	2	529500e 6991300n	Walking on island
21-Aug-00	Arctic fox	1	534070e 6989940n	Near drill #1, a den at this location with pups
21-Aug-00	Canada Goose	6	537600e 698900n	Swimming
21-Aug-00	Arctic fox	1	In camp, behind Wing A	Running



APPENDIX B8

Incidental Species Observations

Table B8-3: Incidental Wildlife Observations – 2000 (continued)

Date/Time	Species/Track	Number	Sightings Location	Sex/Age/Activity/Comments
22-Aug-00	Raptor (owl?)	1	539130e 6988500n	Sitting on ground, then flew away, white with brown patches (snow owl – mj)
31-Aug-00	Loon	2	Pond behind drill yard	White/grey stripe on back of neck (likely a pair of pacific loons – mj)
01-Sep-00	Loon	2	Pond behind drill yard	White/grey stripe on back of neck (likely a pair of pacific loons – mj)
02-Sep-00	Loon	2	Pond behind drill yard	White/grey stripe on back of neck (likely a pair of pacific loons – mj)
02-Sep-00	Arctic fox	1	Drill #1 (538945E 6988630N)	Grey, no white yet
29 Aug – 03-Sep-00	Canada Goose	100s	Rankin Inlet to Peter Lake	Flying south in flocks
03-Sep-00	Caribou	4	Aurora 517000 5992500	Munchin' on some tundra
08-Sep-00	Weasel	1	In camp, B Wing, N exit	Still brown, had lemming in mouth
22-Sep-00	Snowy Owl	1	Near drill #1, CP5	Flying north, white mottled back
22-Sep-00	Arctic fox	1	Near drill #1, CP5	Looking for food scraps
19-Sep-00	Ptarmigan	1	In camp, beside 16 man sleeper	Sitting
19-Sep-00	Weasel	1	All over camp	Inside and outside of buildings
22-Sep-00	Weasel	1	All over camp	Inside and outside of buildings
28-Sep-00	Peregrine Falcon	2	F Zone outcrop	Flying, soaring
15-30-Sep-00	Arctic fox	2 or 3	Around camp all the time	Foraging
9-23-Aug-00	Weasel	1	All over camp	Foraging
1-20-Oct-00	Arctic fox	2 or 3	Around camp all the time	Foraging, this year's pups

Table B8-4: Incidental Wildlife Observations – 2008

Species	Number	Date	UTM Zone 15 NAD 83	
			Easting	Northing
Muskox	1	30-Jul-08	505113	6969736
Wolf	1	14-Jun-08	530932	6995455
Wolf	1	12-Jun-08	551419	7018410
Wolf	1	12-Jun-08	551419	7018410



APPENDIX B8

Incidental Species Observations

Table B8-4: Incidental Wildlife Observations – 2008 (continued)

Species	Number	Date	UTM Zone 15 NAD 83	
			Easting	Northing
Arctic Fox	1	13-Jun-08	539371	6985940
Arctic Fox	1	13-Jun-08	542983	6986231
Arctic Fox	1	14-Jun-08	543761	6985791
Arctic Fox	1	22-Jul-08	568938	6978123
Arctic Hare	1	13-Jun-08	541751	6988742
Arctic Hare	1	16-Jun-08	563771	7006873
Arctic Hare	1	16-Jun-08	567560	7006850
Caribou	11	13-Jun-08	535601	7042441
Caribou	4	13-Jun-08	560201	7038041
Caribou	9	13-Jun-08	566200	6944043
Caribou	3	16-Jun-08	563990	7000566
Caribou	~2000	21-Jul-08	503015	6986822
Caribou	1	22-Jul-08	548672	6990581
Caribou	1	23-Jul-08	519229	6975146
Caribou	1	23-Jul-08	512613	6975376
Caribou	1	23-Jul-08	522971	6982695

Table B8-5: Incidental Wildlife Observations - 2009

Species	Number	Date	UTM Zone 15 NAD 83	
			Easting	Northing
Arctic Fox	1	13-Jun-09	541184	6989580
Arctic Hare	1	13-Jun-09	541128	6989665
Arctic Fox	1	15-Jun-09	543658	6986051
Arctic Hare	1	16-Jun-09	538541	6991227
Arctic Fox	1	16-Jun-09	539824	6987389
Arctic Fox	1	13-Jun-09	534680	6985857
Caribou	1	30-Jul-09	506616	7013822
Muskox	26	30-Jul-09	516049	7000545
Caribou	3	30-Jul-09	512479	6975322
Caribou	5	30-Jul-09	513303	6973190



APPENDIX B9

Bird Species List

Table B9-1: List of Bird Species Observed within the Study Area

Complete Species List	Scientific Name	Waterfowl Survey	Upland Breeding Bird Survey/PRISM Survey	Raptor Survey	Incidentals
Pacific Loon	<i>Gavia pacifica</i>	√			
Common Loon	<i>Gavia immer</i>	√			
Red-throated Loon	<i>Gavia stellata</i>	√			
Tundra Swan	<i>Cygnus columbianus</i>	√			
Lesser Snow Goose	<i>Chen caerulescens</i>	√			
Canada Goose	<i>Branta canadensis</i>	√			
American Wigeon	<i>Anas americana</i>				√
Northern Pintail	<i>Anas acuta</i>	√			
Northern Shoveler	<i>Anas clypeata</i>				√
Scaup species	<i>Aythya marila / affinis</i>	√			
Common Eider	<i>Somateria mollissima</i>				√
King Eider	<i>Somateria spectabilis</i>				√
Long-tailed Duck	<i>Clangula hyemalis</i>	√			
Red-breasted Merganser	<i>Mergus serrator</i>	√			
Rough-legged Hawk	<i>Buteo lagopus</i>			√	
Peregrine Falcon	<i>Falco peregrinus</i>			√	
Gyr Falcon	<i>Falco rusticolus</i>				
Willow Ptarmigan	<i>Lagopus lagopus</i>				√
Sandhill Crane	<i>Grus canadensis</i>	√			
American Golden-Plover	<i>Pluvialis dominica</i>				√
Semipalmated Plover	<i>Charadrius semipalmatus</i>		√		
Dunlin	<i>Calidris alpina</i>		√		
Semipalmated Sandpiper	<i>Calidris pusilla</i>				√
Least Sandpiper	<i>Calidris minutilla</i>				√
Herring Gull	<i>Larus argentatus</i>	√			
Long-tailed Jaeger	<i>Stercorarius longicaudus</i>				
Short-eared Owl	<i>Asio flammeus</i>	√			
Snowy Owl	<i>Bubo scandiacus</i>				√ ^a
Common Raven	<i>Corvus corax</i>				√
Horned Lark	<i>Eremophila alpestris</i>		√		
American Pipit	<i>Anthus rubescens rubescens</i>		√		
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>		√		
Savannah Sparrow	<i>Passerculus sandwichensis</i>		√		
Lapland Longspur	<i>Calcarius lapponicus</i>		√		
Snow Bunting	<i>Plectrophenax nivalis</i>		√		
Common Redpoll	<i>Carduelis flammea</i>		√		
American Tree Sparrow	<i>Spizella arborea</i>				√

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solutions@golder.com
www.golder.com

Golder Associates Ltd.
#300, 10525-170 St.,
Edmonton, Alberta, T5P 4W2
Canada
T: +1 (780) 483 3499

