

Table A-1. Caribou (ca) sightings in the Bullen Point to Staines River study area, Alaska, summer 1999. Coordinates are longitude, latitude, and datum is WGS 1984. Time is Alaska Daylight Savings Time. See Table 6 for habitat code definitions.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.268591	70.109060	4-Jun-99	11:17:46	0	0	ca	0	3	3	0	6			
146.342417	70.057150	4-Jun-99	11:32:15	0	2	ca	0	1	0	0	1			
146.333351	70.080270	4-Jun-99	11:33:08	0	3	ca	0	1	1	0	2			
146.417261	70.056950	4-Jun-99	11:47:45	0	4	ca	0	1	0	0	1			
146.467958	70.127080	4-Jun-99	11:55:51	0	5	ca	0	2	0	0	2			
146.453004	70.059450	4-Jun-99	11:58:24	0	6	ca	0	2	1	0	3			
146.471300	69.992370	4-Jun-99	12:00:58	0	7	ca	0	5	5	0	10			
146.507210	69.995470	4-Jun-99	12:02:00	0	8	ca	0	1	1	0	2			
146.514890	70.003280	4-Jun-99	12:02:21	0	9	ca	0	1	0	0	1			
146.511051	70.014700	4-Jun-99	12:02:47	0	10	ca	0	3	1	0	4			
146.527108	70.133600	4-Jun-99	12:07:22	0	11	ca	0	1	0	0	1			
146.518554	70.163640	4-Jun-99	12:08:32	0	12	ca	0	1	1	0	2			
146.573058	70.003750	4-Jun-99	12:17:03	0	13	ca	0	5	0	0	5			
146.591448	69.999540	4-Jun-99	12:18:04	0	14	ca	0	1	0	0	1			
146.591578	70.020970	4-Jun-99	12:18:53	0	15	ca	0	1	1	0	2			
146.599764	70.028830	4-Jun-99	12:19:12	0	16	ca	0	1	0	0	1			
146.598815	70.101510	4-Jun-99	12:21:58	0	17	ca	0	1	0	0	1			
146.627621	70.132350	4-Jun-99	12:27:55	0	19	ca	0	2	0	0	2			
146.625814	70.051540	4-Jun-99	12:30:58	0	20	ca	0	1	1	0	2			
146.644824	70.045420	4-Jun-99	12:31:12	0	21	ca	0	1	0	0	1			
146.627542	70.029260	4-Jun-99	12:31:49	0	22	ca	0	1	1	0	2			
146.610121	70.018240	4-Jun-99	12:32:14	0	23	ca	0	2	1	0	3			
146.675460	70.014270	4-Jun-99	12:34:14	0	24	ca	0	1	1	0	2			
146.668311	70.048870	4-Jun-99	12:35:34	0	25	ca	0	1	1	0	2			
146.675668	70.058050	4-Jun-99	12:35:55	0	26	ca	0	1	1	0	2			
146.654441	70.064780	4-Jun-99	12:36:10	0	27	ca	0	2	0	0	2			
146.667612	70.080030	4-Jun-99	12:36:44	0	28	ca	0	1	1	0	2			
146.676817	70.084890	4-Jun-99	12:36:55	0	29	ca	0	1	0	0	1			

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.667732	70.101150	4-Jun-99	12:37:32	0	30	ca	0	2	0	0	2			
146.677097	70.128180	4-Jun-99	12:38:33	0	31	ca	0	2	1	0	3			
146.665274	70.133920	4-Jun-99	12:38:46	0	32	ca	0	1	1	0	2			
146.675370	70.160430	4-Jun-99	12:39:48	0	33	ca	0	1	0	0	1			
146.705844	70.148610	4-Jun-99	12:42:35	0	34	ca	0	1	1	0	2			
146.706405	70.083820	4-Jun-99	12:45:00	0	35	ca	0	1	0	0	1			
146.707812	70.011010	4-Jun-99	12:47:44	0	36	ca	0	1	0	0	1			
146.688731	70.000640	4-Jun-99	12:48:07	0	37	ca	0	4	0	0	4			
146.705001	69.993670	4-Jun-99	12:48:23	0	38	ca	0	1	0	0	1			
146.756032	70.024230	4-Jun-99	12:52:22	0	39	ca	0	1	0	0	1			
146.773862	70.029450	4-Jun-99	12:52:34	0	40	ca	0	1	0	0	1			
146.765995	70.054230	4-Jun-99	12:53:30	0	41	ca	0	2	0	0	2			
146.768954	70.059450	4-Jun-99	12:53:42	0	42	ca	0	4	0	0	4			
146.750864	70.064870	4-Jun-99	12:53:54	0	43	ca	0	4	0	0	4			
146.763077	70.093550	4-Jun-99	12:54:59	0	44	ca	0	2	1	0	3			
146.798408	70.122250	4-Jun-99	13:01:27	0	45	ca	0	2	2	0	4			
146.814341	70.111720	4-Jun-99	13:01:51	0	46	ca	0	1	1	0	2			
146.800790	70.082900	4-Jun-99	13:02:55	0	47	ca	0	1	0	0	1			
146.778990	70.054550	4-Jun-99	13:03:58	0	48	ca	0	2	1	0	3			
146.800927	70.036100	4-Jun-99	13:04:40	0	49	ca	0	1	1	0	2			
146.797200	70.001730	4-Jun-99	13:05:56	0	50	ca	0	2	1	0	3			
146.797770	69.994710	4-Jun-99	13:06:12	0	51	ca	0	1	0	0	1			
146.841950	70.088130	4-Jun-99	13:11:20	0	52	ca	0	1	0	0	1			
146.058104	70.086580	14-Jun-99	11:52:14	1	3	ca	0	0	0	1	1			
146.104368	70.062820	14-Jun-99	11:59:19	1	4	ca	0	6	3	0	9	rest	Vc	
146.177162	70.093030	14-Jun-99	12:02:47	1	5	ca	0	1	0	0	1			
146.269379	70.041950	14-Jun-99	12:14:15	1	7	ca	0	2	1	0	3	rest	IIe	
146.263742	70.062330	14-Jun-99	12:15:02	1	8	ca	0	5	3	0	8	rest	Va	
146.258425	70.080720	14-Jun-99	12:15:45	1	9	ca	0	6	4	0	10	feed	IVa	
146.260512	70.095500	14-Jun-99	12:16:18	1	10	ca	0	2	1	0	3	feed	IVa	
146.298237	70.060000	14-Jun-99	12:24:50	1	12	ca	0	1	0	0	1			

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.277038	70.052850	14-Jun-99	12:25:05	1	13	ca	0	1	1	0	2	feed	Va	
146.312878	69.987670	14-Jun-99	12:27:25	1	14	ca	0	0	0	2	2	feed	Va	
146.319768	70.003030	14-Jun-99	12:31:17	1	15	ca	0	1	0	0	1	walk	IIIId	
146.352267	70.025907	14-Jun-99	12:33:11	1	17	ca	0	11	9	0	20	feed	Va	
146.317921	70.035720	14-Jun-99	12:34:12	1	18	ca	0	7	3	0	10			
146.352619	70.062580	14-Jun-99	12:35:16	1	20	ca	0	6	1	0	7	rest	IVa	
146.318428	70.099420	14-Jun-99	12:36:41	1	21	ca	0	1	1	0	2	walk	IIIId	
146.365068	70.105070	14-Jun-99	12:43:15	1	22	ca	0	1	1	0	2		Va	
146.370415	70.088240	14-Jun-99	12:43:51	1	23	ca	0	9	5	0	14	feed	IIIe	
146.374620	70.062810	14-Jun-99	12:44:44	1	24	ca	0	10	5	0	15	feed	IIIe	
146.398178	70.027920	14-Jun-99	12:45:58	1	25	ca	0	0	0	12	12			
146.443238	69.994040	14-Jun-99	12:53:41	1	26	ca	0	1	1	0	2	feed	Va	
146.394441	70.026670	14-Jun-99	12:54:57	1	27	ca	0	0	0	3	3			
146.436091	70.036860	14-Jun-99	12:55:21	1	28	ca	0	4	4	0	8			
146.419300	70.155920	14-Jun-99	12:59:56	1	90	ca	0	1	1	0	2	rest	Va	
146.424867	70.164710	14-Jun-99	13:00:15	1	31	ca	0	2	1	0	3			
146.448185	70.163830	14-Jun-99	13:02:35	1	32	ca	0	3	2	0	5	rest	Va	
146.447787	70.127750	14-Jun-99	13:03:51	1	33	ca	0	6	4	0	10	rest	Vc	
146.479399	70.099980	14-Jun-99	13:04:50	1	34	ca	0	0	0	1	1			
146.474354	70.083910	14-Jun-99	13:05:25	1	35	ca	0	1	1	0	2			
146.476271	70.074670	14-Jun-99	13:05:44	1	36	ca	0	1	1	0	2			
146.469004	70.061960	14-Jun-99	13:06:11	1	37	ca	0	1	1	0	2			
146.481298	70.048140	14-Jun-99	13:06:40	1	38	ca	0	5	3	0	8			
146.461520	70.018410	14-Jun-99	13:07:43	1	39	ca	0	3	3	0	6			
146.454262	70.009280	14-Jun-99	13:08:01	1	40	ca	0	3	2	0	5	walk	IIIId	
146.473781	70.000920	14-Jun-99	13:08:19	1	41	ca	0	5	3	0	8			
146.440420	69.994720	14-Jun-99	13:08:31	1	42	ca	0	1	1	0	2	feed	IIIId	
146.509878	69.913040	14-Jun-99	13:12:50	1	43	ca	0	2	0	0	2	rest	Ve	
146.517394	69.947820	14-Jun-99	13:14:09	1	44	ca	0	3	0	0	3	rest	Ve	
146.485431	69.960460	14-Jun-99	13:14:38	1	45	ca	0	2	1	0	3			
146.507580	70.013620	14-Jun-99	13:16:40	1	46	ca	0	6	4	0	10	rest	Va	

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.505180	70.035720	14-Jun-99	13:17:31	1	47	ca	0	2	0	0	2			
146.516874	70.043870	14-Jun-99	13:17:50	1	48	ca	0	2	2	0	4	trot	Va	
146.516972	70.073000	14-Jun-99	13:18:57	1	49	ca	0	14	8	0	22			
146.523491	70.091420	14-Jun-99	13:19:40	1	50	ca	0	6	4	0	10	rest	IIIId	
146.491528	70.112220	14-Jun-99	13:20:28	1	51	ca	0	1	1	0	2			
146.505411	70.150540	14-Jun-99	13:21:56	1	52	ca	0	1	1	0	2			
146.526619	70.158870	14-Jun-99	13:22:15	1	53	ca	0	2	1	0	3			
146.517615	70.164890	14-Jun-99	13:22:29	1	54	ca	0	6	3	0	9			
146.531231	70.069120	14-Jun-99	13:30:41	1	56	ca	0	0	0	2	2	walk	IIIId	W
146.561281	70.035540	14-Jun-99	13:31:51	1	57	ca	0	5	4	0	9			
146.543372	70.020800	14-Jun-99	13:32:23	1	58	ca	0	3	2	2	7			
146.547600	70.016000	14-Jun-99	13:32:33	1	91	ca	0	8	0	0	8	feed	Va	
146.546800	70.011330	14-Jun-99	13:32:43	1	92	ca	0	0	0	2	2	feed	IIIe	
146.531818	69.950530	14-Jun-99	13:34:53	1	59	ca	0	5	3	0	8	feed	Iva	
146.564859	69.942830	14-Jun-99	13:35:10	1	60	ca	0	3	2	0	5			
146.561691	69.938140	14-Jun-99	13:35:20	1	61	ca	0	3	2	0	5			
146.584194	69.922950	14-Jun-99	13:38:06	1	63	ca	0	4	2	0	6			
146.587330	69.931980	14-Jun-99	13:38:26	1	64	ca	0	0	0	2	2			
146.567411	69.940900	14-Jun-99	13:38:47	1	65	ca	0	0	0	6	6			
146.576557	69.976740	14-Jun-99	13:40:08	1	66	ca	0	7	4	0	11			
146.590220	70.000240	14-Jun-99	13:41:02	1	67	ca	0	16	8	0	24	feed	Ve	
146.591180	70.024400	14-Jun-99	13:41:57	1	68	ca	0	4	4	0	8			
146.602471	70.031420	14-Jun-99	13:42:13	1	69	ca	0	1	1	0	2	stand	IIIId	
146.564941	70.034750	14-Jun-99	13:42:21	1	70	ca	0	4	2	0	6			
146.588610	70.058760	14-Jun-99	13:43:15	1	71	ca	0	10	4	0	14	feed	Ve	
146.580209	70.064286	14-Jun-99	13:44:09	1	72	ca	0	22	8	0	30			
146.591690	70.075980	14-Jun-99	13:45:10	1	73	ca	0	4	3	0	7	rest	Vc	
146.580574	70.138800	14-Jun-99	13:47:30	1	74	ca	0	4	2	0	6			
146.631070	70.151660	14-Jun-99	13:51:10	1	75	ca	0	7	5	0	12			
146.632408	70.132790	14-Jun-99	13:51:50	1	76	ca	0	3	2	0	5			
146.633948	70.078560	14-Jun-99	13:53:46	1	77	ca	0	1	0	0	1			

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.644372	70.053640	14-Jun-99	13:54:38	1	78	ca	0	1	1	0	2			
146.619795	70.038160	14-Jun-99	13:55:11	1	79	ca	0	2	0	0	2	feed	Ve	
146.644811	70.030480	14-Jun-99	13:55:27	1	80	ca	0	1	1	0	2			
146.645401	70.024650	14-Jun-99	13:55:40	1	81	ca	0	19	8	0	27			
146.616660	70.004650	14-Jun-99	13:56:23	1	82	ca	0	20	10	0	30	feed	Va	
146.638255	69.956290	14-Jun-99	13:58:05	1	83	ca	0	6	5	0	11			
146.648199	69.932500	14-Jun-99	13:58:56	1	84	ca	0	1	0	0	1			
146.614298	69.927790	14-Jun-99	13:59:06	1	85	ca	0	11	5	0	16	feed	Va	
146.694229	69.924170	14-Jun-99	14:02:58	1	0	ca	0	6	3	0	9	feed	Va	
146.685232	69.936840	14-Jun-99	14:03:26	1	1	ca	0	1	1	0	2	rest	Va	
146.649021	69.950400	14-Jun-99	14:03:55	1	2	ca	0	0	0	4	4	rest	Va	
146.650901	69.958150	14-Jun-99	14:04:12	1	3	ca	0	0	0	1	1			
146.658837	69.965930	14-Jun-99	14:04:30	1	4	ca	0	2	0	0	2			
146.671250	69.990140	14-Jun-99	14:05:23	1	5	ca	0	16	12	0	28	rest	Va	
146.655148	70.005240	14-Jun-99	14:05:58	1	6	ca	0	9	4	0	13			
146.650531	70.029480	14-Jun-99	14:06:52	1	7	ca	0	0	0	1	1			
146.660035	70.050360	14-Jun-99	14:07:39	1	8	ca	0	1	1	0	2			
146.678720	70.060181	14-Jun-99	14:07:58	1	9	ca	0	100	60	0	160			
146.689462	70.078530	14-Jun-99	14:10:40	1	10	ca	0	3	3	0	6	rest	Ve	
146.656820	70.083610	14-Jun-99	14:10:51	1	11	ca	0	1	1	0	2			
146.661745	70.128840	14-Jun-99	14:12:30	1	12	ca	0	4	3	0	7			
146.658318	70.151560	14-Jun-99	14:13:20	1	13	ca	0	1	0	0	1			
146.708672	70.131340	14-Jun-99	14:16:36	1	14	ca	0	0	0	1	1	feed	Va	
146.702915	70.117860	14-Jun-99	14:17:04	1	15	ca	0	1	1	0	2	feed	Ille	
146.726612	70.110310	14-Jun-99	14:17:20	1	16	ca	0	11	4	0	15			
146.700217	70.073850	14-Jun-99	14:18:37	1	17	ca	0	9	5	0	14	feed	Va	
146.720765	70.043210	14-Jun-99	14:19:43	1	18	ca	0	2	0	0	2			
146.721435	69.987270	14-Jun-99	14:21:42	1	19	ca	0	4	3	0	7			
146.718857	69.981860	14-Jun-99	14:21:54	1	20	ca	0	3	2	0	5			
146.703125	69.981850	14-Jun-99	14:21:55	1	93	ca	0	8	8	0	16	rest	Va	
146.703245	69.978540	14-Jun-99	14:22:01	1	21	ca	0	2	0	0	2			

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.734458	69.973780	14-Jun-99	14:22:12	1	22	ca	0	0	0	4	4			
146.713800	69.965180	14-Jun-99	14:22:31	1	94	ca	0	3	3	0	6			
146.713830	69.964430	14-Jun-99	14:22:32	1	23	ca	0	23	12	0	35			
146.716220	69.947570	14-Jun-99	14:23:08	1	24	ca	0	55	20	0	75	rest	Vb	
146.695810	69.922660	14-Jun-99	14:24:00	1	25	ca	0	0	0	5	5	rest	Va	
146.759820	69.919900	14-Jun-99	14:25:58	1	28	ca	0	2	1	0	3			
146.780029	69.926020	14-Jun-99	14:26:12	1	29	ca	0	0	0	1	1	feed	Vb	
146.777191	69.935340	14-Jun-99	14:26:32	1	30	ca	0	2	0	0	2	rest	Va	
146.759630	69.944970	14-Jun-99	14:26:54	1	31	ca	0	40	0	0	40			
146.745822	69.962640	14-Jun-99	14:27:34	1	32	ca	0	20	10	0	30			
146.766900	69.992500	14-Jun-99	14:27:48	1	96	ca	0	2	1	0	3			
146.746475	69.983000	14-Jun-99	14:28:24	1	33	ca	0	4	1	0	5			
146.763960	69.987840	14-Jun-99	14:28:37	1	34	ca	0	30	20	0	50	rest	Va	
146.768354	70.010220	14-Jun-99	14:29:28	1	35	ca	0	10	8	0	18	feed	Iva	
146.743218	70.017040	14-Jun-99	14:29:43	1	36	ca	0	2	1	0	3			
146.776369	70.025940	14-Jun-99	14:30:03	1	37	ca	0	4	3	0	7	rest	IIIId	
146.749134	70.040350	14-Jun-99	14:30:36	1	38	ca	0	18	9	0	27			
146.759400	70.062910	14-Jun-99	14:31:27	1	39	ca	0	29	12	0	41	feed	Iva	
146.771162	70.094350	14-Jun-99	14:32:37	1	40	ca	0	2	1	0	3	feed	IIIId	
146.773121	70.116150	14-Jun-99	14:33:25	1	41	ca	0	1	1	0	2	rest	Va	
146.756800	70.121860	14-Jun-99	14:33:38	1	42	ca	0	12	9	0	21			
146.763257	70.136310	14-Jun-99	14:34:11	1	43	ca	0	8	8	0	16	feed	Va	
146.765597	70.149750	14-Jun-99	14:34:42	1	44	ca	0	1	1	0	2	rest	Va	
146.785077	70.126440	14-Jun-99	15:10:01	1	0	ca	0	2	2	0	4	rest	Va	
146.784167	70.114410	14-Jun-99	15:10:26	1	1	ca	0	1	0	0	1	feed	IIIe	
146.804455	70.055330	14-Jun-99	15:12:31	1	2	ca	0	10	4	0	14			
146.800857	70.047860	14-Jun-99	15:12:47	1	3	ca	0	1	1	0	2			
146.779120	70.024610	14-Jun-99	15:13:35	1	4	ca	0	0	0	1	1	rest	Va	
146.807174	70.014140	14-Jun-99	15:13:57	1	5	ca	0	1	0	0	1			
146.796250	70.008310	14-Jun-99	15:14:09	1	6	ca	0	8	4	0	12			
146.788945	69.999820	14-Jun-99	15:14:28	1	7	ca	0	7	3	0	10			

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.811490	70.008680	14-Jun-99	15:14:57	1	8	ca	0	48	26	0	74	rest	Va	
146.815168	69.949620	14-Jun-99	15:17:45	1	9	ca	0	13	4	0	17			
146.816799	69.926440	14-Jun-99	15:18:34	1	10	ca	0	9	4	0	13			
146.796200	69.911330	14-Jun-99	15:19:06	1	11	ca	0	9	6	0	15	stand	Va	
146.845632	69.911310	14-Jun-99	15:20:11	1	12	ca	0	1	0	0	1			
146.836280	69.915990	14-Jun-99	15:20:22	1	13	ca	0	1	1	0	2			
146.833435	69.920040	14-Jun-99	15:20:33	1	14	ca	0	12	4	0	16			
146.841945	69.934300	14-Jun-99	15:21:07	1	15	ca	0	6	0	0	6			
146.831268	69.947220	14-Jun-99	15:21:36	1	16	ca	0	8	3	0	11			
146.848155	69.960900	14-Jun-99	15:22:07	1	17	ca	0	3	3	0	6	walk	Va	W
146.848305	69.970560	14-Jun-99	15:22:29	1	18	ca	0	2	0	0	2	rest	Ve	
146.857721	69.988820	14-Jun-99	15:23:10	1	19	ca	0	0	0	1	1	feed	Va	
146.841500	69.996210	14-Jun-99	15:23:27	1	20	ca	0	90	36	0	126	rest	Va	
146.823530	70.019170	14-Jun-99	15:24:19	1	21	ca	0	1	0	0	1			
146.822690	70.023960	14-Jun-99	15:24:30	1	22	ca	0	9	3	0	12			
146.859679	70.031340	14-Jun-99	15:24:47	1	23	ca	0	4	3	0	7			
146.839271	70.035720	14-Jun-99	15:24:57	1	24	ca	0	2	0	0	2			
146.842570	70.039010	14-Jun-99	15:25:04	1	25	ca	0	50	26	0	76	walk	Iva	
146.842770	70.056060	14-Jun-99	15:25:43	1	26	ca	0	5	4	3	12	feed	Va	
146.841790	70.065000	14-Jun-99	15:26:03	1	27	ca	0	4	1	0	5			
146.843498	70.077280	14-Jun-99	15:26:30	1	28	ca	0	1	0	0	1	feed	Va	
146.820071	70.081660	14-Jun-99	15:26:40	1	29	ca	0	1	0	0	1			
146.826368	70.102350	14-Jun-99	15:27:28	1	30	ca	0	2	2	0	4			
146.832455	70.141850	14-Jun-99	15:28:58	1	31	ca	0	1	1	0	2			
146.894731	70.094560	14-Jun-99	15:34:39	1	32	ca	0	2	1	0	3			
146.900788	70.076680	14-Jun-99	15:35:16	1	33	ca	0	2	1	0	3			
146.882520	70.053220	14-Jun-99	15:36:04	1	34	ca	0	2	3	3	8			
146.897461	70.047240	14-Jun-99	15:36:17	1	35	ca	0	2	2	0	4			
146.865838	70.043980	14-Jun-99	15:36:24	1	36	ca	0	15	10	0	25			
146.871335	70.039130	14-Jun-99	15:36:34	1	37	ca	0	7	4	0	11			
146.896412	70.031480	14-Jun-99	15:36:50	1	38	ca	0	32	17	0	49			

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.873395	70.022160	14-Jun-99	15:37:10	1	39	ca	0	1	0	0	1			
146.865868	70.014000	14-Jun-99	15:37:27	1	40	ca	0	15	8	0	23	rest	Va	
146.883708	70.001430	14-Jun-99	15:37:53	1	41	ca	0	4	2	0	6			
146.879780	69.992840	14-Jun-99	15:38:11	1	42	ca	0	8	5	0	13	feed	Ve	
146.880080	69.984770	14-Jun-99	15:38:28	1	43	ca	0	1	2	1	4			
146.899341	69.970810	14-Jun-99	15:38:57	1	44	ca	0	20	4	0	24			
146.865168	69.951370	14-Jun-99	15:39:36	1	45	ca	0	2	0	1	3	walk	Va	S
146.888785	69.946970	14-Jun-99	15:39:45	1	46	ca	0	5	3	0	8			
146.892004	69.926640	14-Jun-99	15:40:26	1	47	ca	0	3	1	0	4			
146.902991	69.922280	14-Jun-99	15:42:35	1	48	ca	0	1	1	0	2			
146.907188	69.949880	14-Jun-99	15:43:37	1	49	ca	0	4	2	0	6			
146.923460	69.957940	14-Jun-99	15:43:55	1	50	ca	0	3	3	14	20			
146.941829	69.973550	14-Jun-99	15:44:17	1	97	ca	0	25	10	0	35			
146.905660	69.967910	14-Jun-99	15:44:18	1	51	ca	0	2	2	0	4			
146.913215	69.971600	14-Jun-99	15:44:27	1	52	ca	0	7	3	0	10			
146.903880	69.991450	14-Jun-99	15:45:12	1	53	ca	0	6	1	0	7			
146.903531	70.014830	14-Jun-99	15:46:06	1	54	ca	0	2	1	0	3			
146.914585	70.019070	14-Jun-99	15:46:16	1	55	ca	0	2	0	0	2			
146.925220	70.023690	14-Jun-99	15:46:27	1	56	ca	0	10	5	0	15			
146.903831	70.031440	14-Jun-99	15:46:45	1	57	ca	0	37	7	0	44			
146.908844	70.043640	14-Jun-99	15:47:14	1	58	ca	0	7	2	0	9			
146.922095	70.049400	14-Jun-99	15:47:28	1	59	ca	0	31	15	0	46	feed	Va	
146.904597	70.055450	14-Jun-99	15:47:42	1	60	ca	0	16	5	0	21			
146.935072	70.064600	14-Jun-99	15:48:03	1	61	ca	0	8	5	0	13	feed	Iva	
146.906638	70.078340	14-Jun-99	15:48:35	1	62	ca	0	0	0	1	1			
146.916124	70.082570	14-Jun-99	15:48:45	1	63	ca	0	2	0	0	2			
146.937312	70.091480	14-Jun-99	15:49:05	1	64	ca	0	2	0	0	2	feed	Va	
146.911945	70.105660	14-Jun-99	15:49:37	1	65	ca	0	3	1	0	4			
146.911835	70.117850	14-Jun-99	15:50:05	1	66	ca	0	3	0	0	3			
146.974755	70.090880	14-Jun-99	15:55:20	1	67	ca	0	7	0	0	7	rest	Va	
146.950768	70.081160	14-Jun-99	15:55:41	1	68	ca	0	1	1	0	2			

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.974217	70.066040	14-Jun-99	15:56:12	1	69	ca	0	1	1	0	2			
146.961484	70.062670	14-Jun-99	15:56:19	1	70	ca	0	5	0	0	5			
146.953688	70.058290	14-Jun-99	15:56:29	1	71	ca	0	5	0	0	5			
146.968310	70.051890	14-Jun-99	15:56:42	1	72	ca	0	9	3	0	12	feed	Va	
146.966530	70.013280	14-Jun-99	15:58:00	1	73	ca	0	9	6	0	15	feed	Ve	
146.985339	70.002050	14-Jun-99	15:58:23	1	74	ca	0	1	1	0	2			
146.969538	69.983980	14-Jun-99	15:59:00	1	75	ca	0	1	0	0	1			
146.965161	69.974630	14-Jun-99	15:59:20	1	76	ca	0	2	0	1	3	rest	Va	
146.972338	69.959130	14-Jun-99	15:59:52	1	77	ca	0	3	2	0	5			
146.953518	69.950700	14-Jun-99	16:00:10	1	78	ca	2	0	0	2	4			
146.953458	69.945810	14-Jun-99	16:00:20	1	79	ca	0	0	0	7	7			
146.950610	69.940910	14-Jun-99	16:00:30	1	80	ca	0	27	10	0	37			
146.986169	69.936500	14-Jun-99	16:00:40	1	81	ca	0	2	0	1	3			
146.947890	69.931420	14-Jun-99	16:00:50	1	82	ca	0	4	0	0	4			
146.151167	70.048420	19-Jun-99	11:38:22	2	1	ca	1	10	4	0	15	rest	Ve	
146.175844	70.119470	19-Jun-99	11:41:11	2	2	ca	0	1	1	0	2			
146.262204	70.005090	19-Jun-99	11:50:56	2	3	ca	0	7	2	6	15			
146.264902	70.044450	19-Jun-99	11:52:28	2	4	ca	0	4	3	1	8			
146.293860	70.056690	19-Jun-99	12:02:34	2	6	ca	0	4	3	1	8			
146.319420	70.037780	19-Jun-99	12:06:52	2	7	ca	0	10	6	0	16	feed	Ve	
146.334741	70.065710	19-Jun-99	12:07:56	2	8	ca	0	1	1	0	2	rest	Va	
146.324387	70.069130	19-Jun-99	12:08:04	2	9	ca	1	0	0	0	1	feed	Va	
146.344535	70.165450	19-Jun-99	12:11:48	2	10	ca	0	1	0	0	1			
146.399578	70.024440	19-Jun-99	12:18:40	2	11	ca	0	0	0	2	2	feed	Va	
146.356791	70.002580	19-Jun-99	12:19:26	2	12	ca	0	5	3	0	8			
146.421408	70.076700	19-Jun-99	12:23:20	2	13	ca	0	1	1	0	2			
146.440908	70.118910	19-Jun-99	12:24:59	2	14	ca	0	2	2	0	4			
146.462610	70.134090	19-Jun-99	12:30:05	2	15	ca	0	3	0	0	3	feed	Va	
146.479951	70.054940	19-Jun-99	12:32:51	2	16	ca	0	0	0	3	3	feed	Va	
146.485798	70.049070	19-Jun-99	12:33:03	2	17	ca	0	0	0	1	1	feed	Va	
146.488250	70.078560	19-Jun-99	12:38:46	2	18	ca	0	0	0	3	3	move	Ve	S

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.518664	70.140870	19-Jun-99	12:41:13	2	19	ca	0	6	4	0	10			
146.556195	70.156310	19-Jun-99	12:45:02	2	21	ca	0	1	0	1	2			
146.567461	70.067090	19-Jun-99	12:53:47	2	22	ca	0	0	0	3	3	feed	Va	
146.577645	70.148200	19-Jun-99	12:57:00	2	23	ca	1	0	0	0	1			
146.587850	70.152120	19-Jun-99	12:57:09	2	24	ca	0	7	6	0	13			
146.596407	70.174650	19-Jun-99	12:58:03	2	25	ca	0	4	2	0	6			
146.612690	70.163080	19-Jun-99	12:59:44	2	26	ca	0	0	0	1	1			
146.639005	70.031690	19-Jun-99	13:04:10	2	27	ca	0	2	0	1	3			
146.622235	70.023200	19-Jun-99	13:04:27	2	28	ca	0	1	2	0	3			
146.694008	70.119880	19-Jun-99	13:11:07	2	29	ca	0	1	1	0	2	move	Vb	S
146.672840	70.171680	19-Jun-99	13:13:09	2	30	ca	0	6	4	0	10		Vc	
146.699627	70.103180	19-Jun-99	13:16:45	2	31	ca	0	0	0	1	1			
146.731799	70.099490	19-Jun-99	13:16:52	2	32	ca	0	0	0	3	3	feed	Va	
146.728831	70.035460	19-Jun-99	13:19:01	2	33	ca	0	3	0	1	4			
146.776038	70.021570	19-Jun-99	13:22:21	2	34	ca	0	10	6	2	18			
146.771182	70.086190	19-Jun-99	13:24:55	2	35	ca	0	2	1	0	3	feed	Vb	
146.749944	70.137380	19-Jun-99	13:26:55	2	36	ca	0	1	0	0	1	rest	Vb	
146.766505	70.141520	19-Jun-99	13:27:04	2	37	ca	0	4	3	0	7			
146.765035	70.148250	19-Jun-99	13:27:20	2	38	ca	0	1	1	0	2			
146.794860	70.126450	19-Jun-99	13:31:08	2	39	ca	0	1	0	0	1	rest	Va	
146.795900	70.039600	19-Jun-99	13:34:05	2	40	ca	0	7	1	0	8	rest	Va	
146.860339	70.012610	19-Jun-99	13:36:56	2	41	ca	0	0	0	3	3			
146.827317	70.045570	19-Jun-99	13:38:11	2	42	ca	0	0	0	1	1			
146.826737	70.123380	19-Jun-99	13:41:13	2	43	ca	0	0	0	1	1	rest	Va	
146.898671	70.135710	19-Jun-99	13:45:37	2	44	ca	0	0	0	2	2	rest	Va	
146.869914	70.070120	19-Jun-99	13:47:50	2	45	ca	0	7	3	0	10			
146.867447	70.018520	19-Jun-99	13:49:36	2	46	ca	0	0	0	1	1			
146.900081	70.013690	19-Jun-99	13:51:56	2	47	ca	0	25	5	0	30			
146.915872	70.024060	19-Jun-99	13:52:20	2	48	ca	0	4	3	0	7	rest	Vc	
146.929228	70.035520	19-Jun-99	13:52:46	2	49	ca	0	3	2	0	5			
146.910121	70.044920	19-Jun-99	13:53:08	2	50	ca	0	0	0	9	9		Vb	

Table A-1. Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Habitat	Direction
146.902101	70.068200	19-Jun-99	13:54:03	2	51	ca	0	0	0	1	1	feed	Va	
146.988038	70.068980	19-Jun-99	14:01:32	2	52	ca	0	0	0	3	3	feed	Vb	
146.134441	70.134720	25-Jun-99	12:13:08	3	1	ca	1	0	0	0	1			
146.139678	70.134720	25-Jun-99	12:13:27	3	2	ca	0	8	2	0	10	feed	Va	
146.106517	70.085400	25-Jun-99	12:15:00	3	3	ca	0	0	0	2	2	rest	Vc	
146.162640	70.111180	25-Jun-99	12:20:10	3	4	ca	0	7	4	0	11	rest	Vc	
146.184341	70.120890	25-Jun-99	12:24:39	3	5	ca	0	0	0	1	1		Va	
146.201342	70.033790	25-Jun-99	12:27:48	3	6	ca	0	2	2	0	4	feed	Vc	
146.270621	69.992170	25-Jun-99	12:43:17	3	7	ca	0	0	0	5	5	stand	Va	
146.288980	69.970400	25-Jun-99	12:44:03	3	8	ca	0	75	40	0	115	feed	Vc	
146.340854	69.953200	25-Jun-99	12:45:44	3	9	ca	0	50	27	0	77	stand	Xa	
146.332200	69.963000	25-Jun-99	12:46:06	3	10	ca	0	130	80	102	312	feed	Va	
146.343014	70.028640	25-Jun-99	12:48:29	3	11	ca	0	3	2	0	5	feed	Vc	
146.352799	70.038620	25-Jun-99	12:48:50	3	12	ca	0	0	0	2	2	feed	Va	
146.328474	70.160580	25-Jun-99	12:53:14	3	13	ca	0	7	5	0	12	feed	Va	
146.368314	70.042340	25-Jun-99	12:59:23	3	14	ca	0	3	2	0	5	feed	Ve	
146.361498	69.986030	25-Jun-99	13:01:23	3	15	ca	0	2	2	8	12	feed	Vc	
146.393321	69.967260	25-Jun-99	13:02:03	3	16	ca	0	4	0	4	8	feed	Va	
146.363697	69.958590	25-Jun-99	13:02:21	3	17	ca	0	7	3	0	10			
146.366833	69.946703	25-Jun-99	13:03:40	3	18	ca	0	120	50	20	190	feed	Xa	E
146.392621	69.944430	25-Jun-99	13:04:07	3	19	ca	0	40	20	15	75	move		NE
146.397878	69.949750	25-Jun-99	13:07:58	3	20	ca	0	40	25	0	65	move		NE
146.400168	69.972120	25-Jun-99	13:08:48	3	21	ca	0	3	2	5	10	feed	Va	
146.433402	70.057750	25-Jun-99	13:11:52	3	22	ca	0	3	2	0	5	feed	Va	
146.417990	70.108320	25-Jun-99	13:13:42	3	23	ca	0	4	2	0	6			
146.441098	70.121750	25-Jun-99	13:14:11	3	24	ca	0	0	0	2	2	feed	Va	
146.410642	70.152890	25-Jun-99	13:15:18	3	25	ca	0	1	0	0	1	feed	Va	
146.469125	70.131600	25-Jun-99	13:19:04	3	26	ca	0	1	0	0	1	feed	Va	
146.443888	70.120630	25-Jun-99	13:19:28	3	27	ca	0	2	1	0	3	feed	Ve	
146.467885	70.109940	25-Jun-99	13:19:51	3	28	ca	0	2	1	0	3	feed	Va	
146.479148	70.076810	25-Jun-99	13:21:00	3	29	ca	0	1	1	0	2	feed	Va	