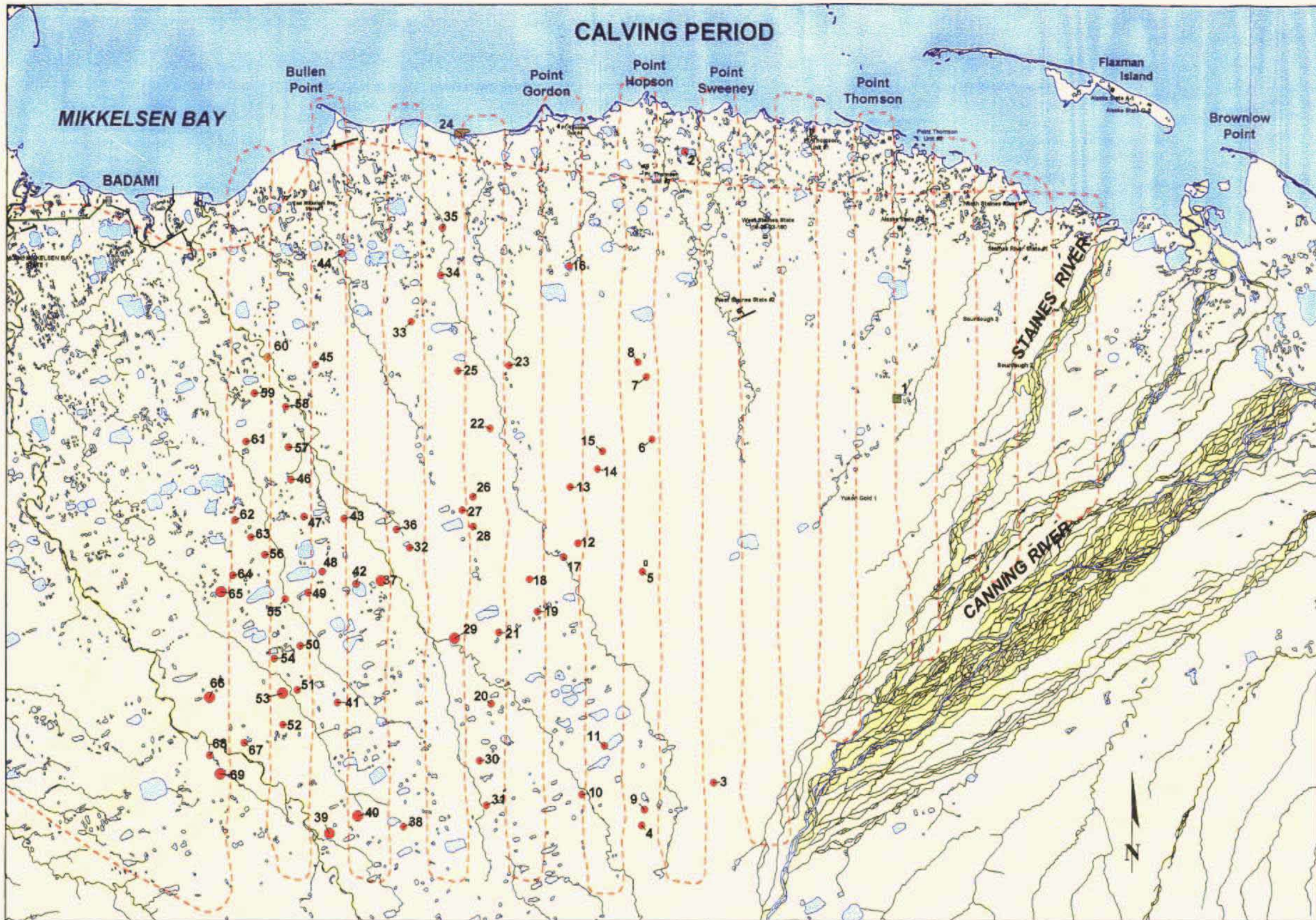


APPENDIX A

2000 DATA



CALVING PERIOD

Figure A-1

Distribution of large mammals in the Bullen Point to Staines River study area, Alaska, on 16 June 2000.

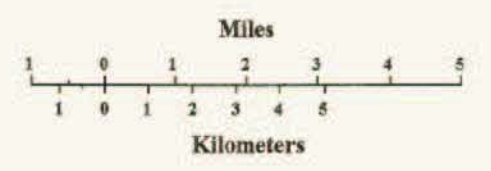
Caribou Group Size

	<u>Groups</u>
• Less than 10	58
• 10 to 100	8
• 101 to 250	0
• Greater than 250	0

- ◆ Arctic Fox
- Muskoxen
- Grizzly Bear

22 Group Attribute Number (see Tables A-1 and A-2)

- Survey Flight Lines
- Pipelines
- Oil Production and Service Facilities



Map Projection: UTM Zone 6
 Datum: NAD 27
 View Scale: 1:167,600
 Mapping Scale: 1:63,360
 Prepared by: LGL Alaska Research Associates
 File: SD00ca_a1.wor

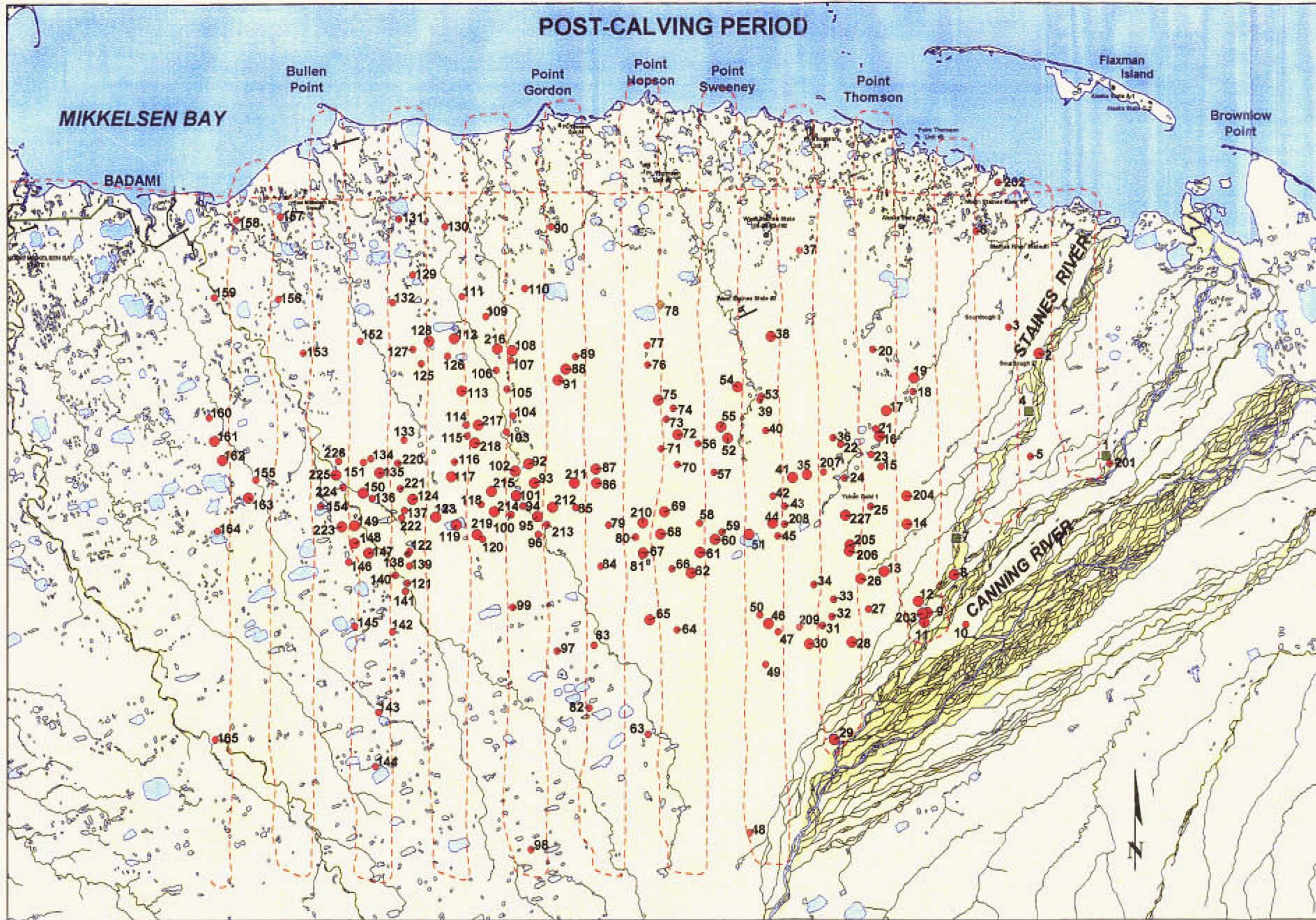


Figure A-2

Distribution of large mammals in the Bullen Point to Staines River study area, Alaska, on 28 June 2000.

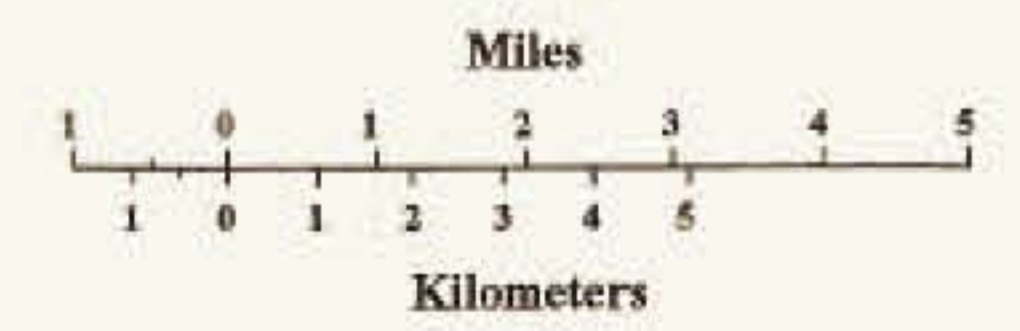
Caribou Group Size

Group Size	Groups
Less than 10	115
10 to 100	73
101 to 250	0
Greater than 250	0

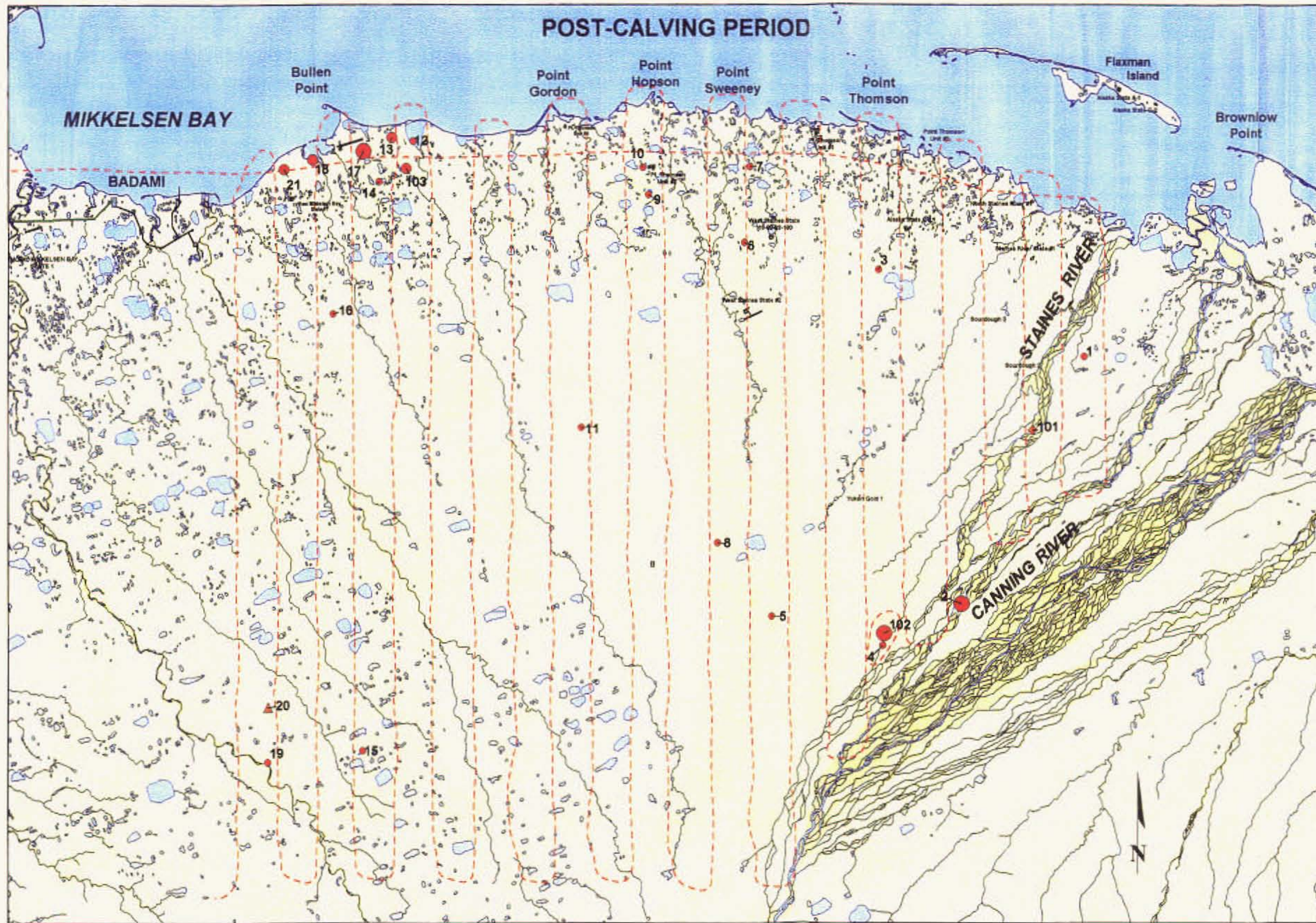
◆ Arctic Fox ■ Muskoxen

22 Group Attribute Number (see Tables A-1 and A-2)

--- Survey Flight Lines
 — Pipelines
 Oil Production and Service Facilities



Map Projection: UTM Zone 6
 Datum: NAD 27
 View Scale: 1:167,600
 Mapping Scale: 1:63,360
 Prepared by: LGL Alaska Research Associates
 File: SD00ca_a2.wor



POST-CALVING PERIOD

Figure A-3

Distribution of large mammals in the Bullen Point to Staines River study area, Alaska, on 6 July 2000.

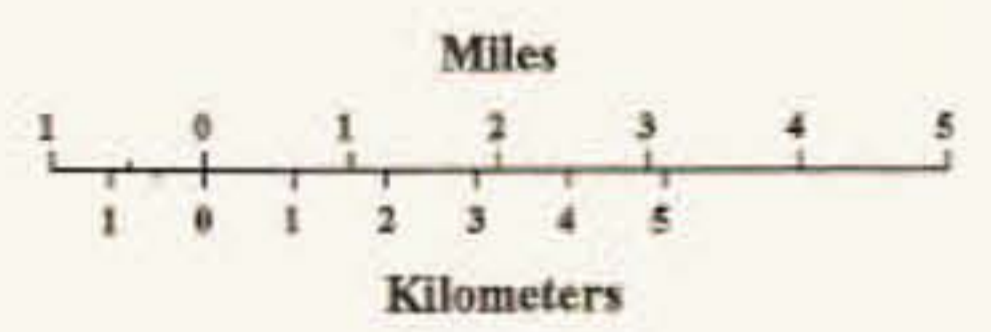
Caribou Group Size

Caribou Group Size	Groups
Less than 10	15
10 to 100	4
101 to 250	3
Greater than 250	0

- ◆ Arctic Fox
- ▲ Arctic Fox at Den

22 Group Attribute Number (see Tables A-1 and A-2)

- - - Survey Flight Lines
- Pipelines
- Oil Production and Service Facilities



Map Projection: UTM Zone 6
 Datum: NAD 27
 View Scale: 1:167,600
 Mapping Scale: 1:63,360
 Prepared by: LGL Alaska Research Associates
 File: SD00ca_a3.wor

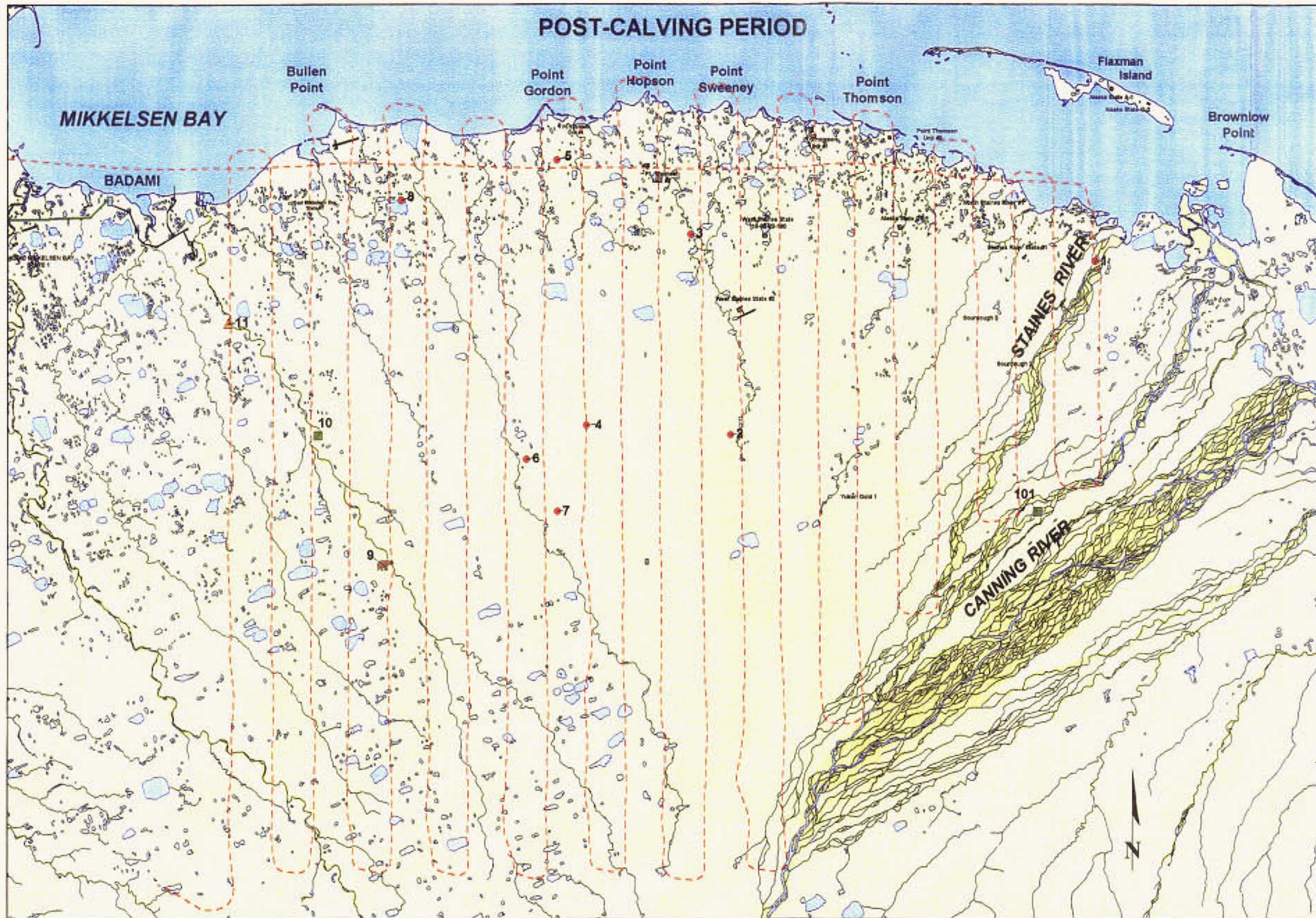


Figure A-4

Distribution of large mammals in the Bullen Point to Staines River study area, Alaska, on 20 July 2000.

Caribou Group Size

Group Size	Groups
Less than 10	8
10 to 100	0
101 to 250	0
Greater than 250	0

- ▲ Arctic Fox at Den
- Grizzly Bear
- Muskoxen

22 Group Attribute Number (see Tables A-1 and A-2)

- - - Survey Flight Lines
- Pipelines
- Oil Production and Service Facilities

Map Projection: UTM Zone 6
 Datum: NAD 27
 View Scale: 1:167,600
 Mapping Scale: 1:63,360
 Prepared by: LGL Alaska Research Associates
 File: SD00ca_a4.wor

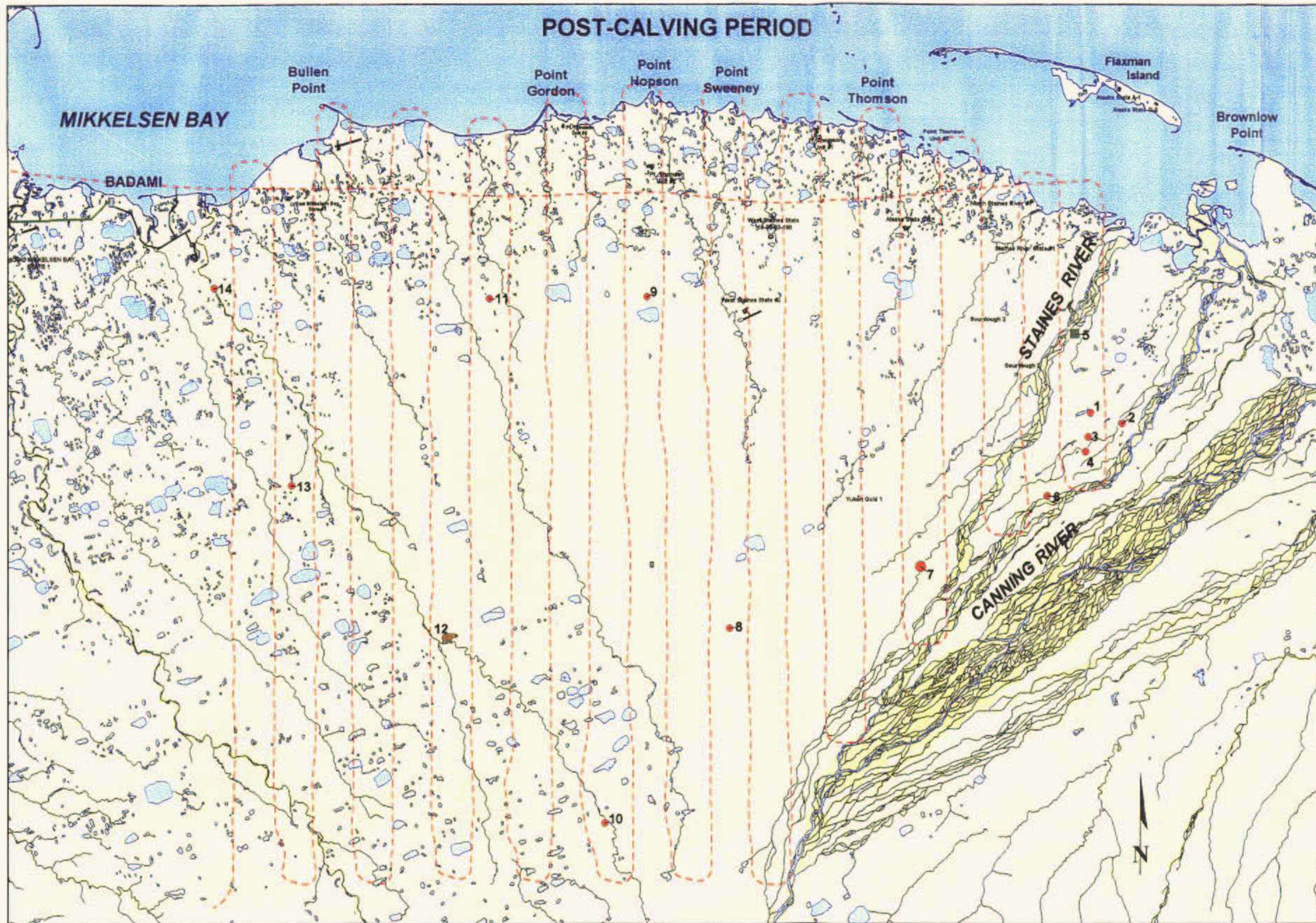


Figure A-5

Distribution of large mammals in the Bullen Point to Staines River study area, Alaska, on 24 July 2000.

Caribou Group Size

Group Size	Groups
Less than 10	11
10 to 100	1
101 to 250	0
Greater than 250	0

Grizzly Bear Muskoxen

Group Attribute Number (see Tables A-1 and A-2)

Survey Flight Lines

Pipelines

Oil Production and Service Facilities



Map Projection: UTM Zone 6
 Datum: NAD 27
 View Scale: 1:167,600
 Mapping Scale: 1:63,360
 Prepared by: LGL Alaska Research Associates
 File: SD00ca_a5.wor

Table A-1. Caribou sightings in the Bullen Point to Staines River study area, Alaska, summer 2000. Coordinates are longitude/latitude on the WGS 1984 ellipsoid. Time is Alaska Daylight Savings Time. See Table 4 for habitat code definitions.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Direction	Habitat
146.476407	70.168131	16 Jun 00	11:54:54	1	2	ca	0	2	0	0	2	feed		Vc
146.450004	69.936183	16 Jun 00	12:02:44	1	3	ca	0	2	0	2	4	rest		Va
146.526971	69.920714	16 Jun 00	12:05:03	1	4	ca	0	2	0	0	2	feed		Va
146.525358	70.013587	16 Jun 00	12:08:17	1	5	ca	0	2	0	0	2			Ve
146.514097	70.062483	16 Jun 00	12:09:57	1	6	ca	0	1	0	0	1	feed		Va
146.519885	70.085651	16 Jun 00	12:10:45	1	7	ca	0	1	0	0	1			
146.529145	70.091103	16 Jun 00	12:10:56	1	8	ca	0	1	1	0	2			
146.523798	69.926469	16 Jun 00	12:23:56	1	9	ca	0	0	0	1	1			
146.591003	69.932061	16 Jun 00	12:26:33	1	10	ca	0	2	2	0	4	move		Ve
146.566718	69.949683	16 Jun 00	12:27:10	1	11	ca	0	1	1	1	3	feed		IIIa
146.594305	70.024186	16 Jun 00	12:29:44	1	12	ca	0	2	2	0	4	walk	w	Ve
146.602200	70.045081	16 Jun 00	12:30:27	1	13	ca	0	3	0	0	3			
146.573086	70.051616	16 Jun 00	12:30:41	1	14	ca	0	0	0	1	1	walk		III d
146.567277	70.058139	16 Jun 00	12:30:54	1	15	ca	0	1	0	0	1	walk		III d
146.602021	70.126649	16 Jun 00	12:33:16	1	16	ca	0	2	2	0	4	rest		Vc
146.609617	70.019145	16 Jun 00	12:41:30	1	17	ca	0	0	0	3	3			
146.645741	70.011105	16 Jun 00	12:41:46	1	18	ca	0	3	0	0	3			
146.637340	69.999062	16 Jun 00	12:42:12	1	19	ca	0	4	4	0	8	feed		
146.686600	69.965340	16 Jun 00	12:48:01	1	20	ca	0	2	0	0	2	rest		Ve
146.678154	69.991531	16 Jun 00	12:48:55	1	21	ca	0	1	0	0	1	rest		Va
146.686675	70.066907	16 Jun 00	12:51:31	1	22	ca	0	5	1	0	6			
146.666446	70.090365	16 Jun 00	12:52:19	1	23	ca	0	1	0	0	1	feed		Va
146.721265	70.088363	16 Jun 00	12:59:00	1	25	ca	0	1	1	0	2	rest		Vc
146.705547	70.041683	16 Jun 00	13:00:35	1	26	ca	0	4	3	0	7			
146.717114	70.036779	16 Jun 00	13:00:45	1	27	ca	0	5	3	0	8	rest		Vc
146.705178	70.030588	16 Jun 00	13:00:58	1	28	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	Direction	Habitat
146.725348	69.989481	16 Jun 00	13:02:22	1	29	ca	0	6	6	2	14			Vc
146.698871	69.944662	16 Jun 00	13:03:53	1	30	ca	0	1	0	0	1			
146.691872	69.928495	16 Jun 00	13:04:26	1	31	ca	0	0	0	2	2	stand		Vc
146.773450	70.022896	16 Jun 00	13:09:55	1	32	ca	0	3	0	0	3			
146.771318	70.106535	16 Jun 00	13:12:49	1	33	ca	0	1	1	0	2			
146.739426	70.123683	16 Jun 00	13:13:25	1	34	ca	0	2	2	0	4			
146.737425	70.140950	16 Jun 00	13:14:01	1	35	ca	0	0	0	5	5	rest		
146.788016	70.029558	16 Jun 00	13:21:17	1	36	ca	0	1	0	0	1			
146.804915	70.010681	16 Jun 00	13:21:57	1	37	ca	0	8	5	0	13	feed		
146.780475	69.920737	16 Jun 00	13:25:05	1	38	ca	0	4	0	0	4			
146.860390	69.918386	16 Jun 00	13:26:43	1	39	ca	0	25	5	0	30			
146.829877	69.924665	16 Jun 00	13:26:56	1	40	ca	0	7	6	0	13	feed		Vc
146.851931	69.965908	16 Jun 00	13:28:25	1	41	ca	0	1	0	0	1			
146.831832	70.009502	16 Jun 00	13:29:57	1	42	ca	0	3	0	0	3			
146.844756	70.033729	16 Jun 00	13:30:48	1	43	ca	0	3	3	0	6			Va
146.847180	70.131656	16 Jun 00	13:34:13	1	44	ca	0	2	0	0	2	rest		Va
146.875497	70.090828	16 Jun 00	13:39:54	1	45	ca	0	1	1	0	2	feed		Vc
146.901585	70.048211	16 Jun 00	13:41:23	1	46	ca	0	3	1	0	4	feed		
146.887979	70.034500	16 Jun 00	13:41:51	1	47	ca	0	4	0	0	4			
146.868223	70.014147	16 Jun 00	13:42:34	1	48	ca	0	5	3	0	8			
146.883535	70.006381	16 Jun 00	13:42:50	1	49	ca	0	1	0	0	1			
146.891727	69.986781	16 Jun 00	13:43:31	1	50	ca	0	5	4	0	9			
146.894971	69.970693	16 Jun 00	13:44:04	1	51	ca	0	4	2	0	6	feed		
146.910260	69.957969	16 Jun 00	13:48:43	1	52	ca	0	1	0	0	1			
146.910432	69.969498	16 Jun 00	13:49:07	1	53	ca	0	40	12	0	52	feed		
146.919251	69.982300	16 Jun 00	13:49:35	1	54	ca	0	2	0	0	2			
146.907605	70.004121	16 Jun 00	13:50:21	1	55	ca	0	4	2	0	6	rest		
146.929418	70.020496	16 Jun 00	13:50:55	1	56	ca	0	1	0	0	1			
146.904230	70.060409	16 Jun 00	13:52:19	1	57	ca	0	1	1	0	2	rest		

Table A-1 Continued.

Longitude°W	Latitude°N	Date	Time ADST	Flight	Attribute	Species	Bulls	Cows	Calves	Unclass	Total	Behavior	Direction	Habitat
146.906973	70.075416	16 Jun 00	13:52:51	1	58	ca	0	1	1	0	2	feed		
146.940208	70.080502	16 Jun 00	13:53:02	1	59	ca	0	1	0	0	1			
146.949367	70.062524	16 Jun 00	14:00:14	1	61	ca	0	3	0	0	3			
146.960921	70.033383	16 Jun 00	14:01:16	1	62	ca	0	1	1	0	2			
146.944045	70.027090	16 Jun 00	14:01:28	1	63	ca	0	3	2	0	5			
146.963059	70.013047	16 Jun 00	14:01:58	1	64	ca	0	2	2	0	4			
146.975758	70.006963	16 Jun 00	14:02:10	1	65	ca	0	12	9	0	21	feed		
146.987840	69.968235	16 Jun 00	14:03:30	1	66	ca	0	6	4	0	10	feed		
146.950911	69.951466	16 Jun 00	14:04:05	1	67	ca	0	3	0	0	3			
146.987173	69.946969	16 Jun 00	14:04:14	1	68	ca	0	1	1	0	2	feed		
146.976041	69.940248	16 Jun 00	14:04:28	1	69	ca	0	20	12	0	32			
146.024683	70.051019	28 Jun 00	12:54:20	2	201	ca	2	0	0	0	2	rest		IVa
146.098125	70.092149	28 Jun 00	12:56:36	2	2	ca	0	4	4	2	10	rest		Ve
146.139138	70.155134	28 Jun 00	12:59:17	2	202	ca	0	0	0	2	2	walk	e	Va
146.130005	70.102040	28 Jun 00	13:01:06	2	3	ca	0	3	2	0	5	rest		Va
146.108574	70.054080	28 Jun 00	13:02:46	2	5	ca	0	0	0	2	2	rest		IIIId
146.163212	70.137305	28 Jun 00	13:07:47	2	6	ca	0	1	1	0	2			
146.191854	70.010682	28 Jun 00	13:14:59	2	8	ca	0	0	0	35	35	rest		IVa
146.221160	69.996828	28 Jun 00	13:15:27	2	9	ca	0	0	0	40	40	rest		Vb
146.179917	69.992426	28 Jun 00	13:15:37	2	10	ca	1	0	0	0	1	feed		IIIId
146.224598	69.993342	28 Jun 00	13:16:33	2	11	ca	0	0	0	18	18			
146.226635	69.996612	28 Jun 00	13:16:40	2	203	ca	0	0	0	40	40	rest		Vb
146.230807	70.001141	28 Jun 00	13:16:51	2	12	ca	0	5	5	20	30			
146.267291	70.012154	28 Jun 00	13:17:14	2	13	ca	8	4	4	6	22			Ve
146.242001	70.029623	28 Jun 00	13:17:50	2	14	ca	15	35	20	20	90			
146.242075	70.040073	28 Jun 00	13:18:12	2	204	ca	0	20	10	5	35	walk		Vb
146.269164	70.050994	28 Jun 00	13:18:35	2	15	ca	4	0	0	4	8			
146.270435	70.062245	28 Jun 00	13:18:58	2	16	ca	0	8	5	20	33	rest		IIIe
146.262895	70.071675	28 Jun 00	13:19:17	2	17	ca	0	4	3	5	12			