

5-D: Tables of Collared Caribou Residency and Road Crossing

It should be noted that this historical baseline report (Appendix 5-D) was reviewed and received conformity approval as part of the Approved Project FEIS submission (Agnico Eagle 2016c), and then final approval under Project Certificate No. 008. This baseline report remain unchanged.



APPENDIX 5-D

Collared Caribou Residency and Road Crossing

Table 5-D-1: Collared Caribou Residency

Herd	Season	Residency Time in Whale Tail RSA - Days	Total Time - Days	%	Number of Unique Collared Caribou within RSA	Number of Unique Collared Caribou Total	Years that Caribou are within the RSA	Years of Collar Data
Ahiak	Spring	102.00	7,007.26	1.46	16	64	2008-2013, 2015	2002-2015
	Calving	2.00	4,259.55	0.05	1	64	2013	2002-2015
	Post-calving	10.59	4,913.19	0.22	6	63	2007, 2009, 2013, 2015	2002-2015
	Late Summer	82.65	5,901.92	1.40	8	62	2006, 2007, 2011-2013, 2015	2002-2015
	Fall	38.05	3,850.69	0.99	5	60	2009-2012	2002-2015
	Fall Rut	48.28	3,116.25	1.55	6	60	2008-2011	2002-2003, 2005-2015
	Early Winter	21.88	7,033.09	0.31	6	60	2010, 2013, 2014	2002-2003, 2005-2015
	Late Winter	11.76	8,838.78	0.13	2	58	2008, 2010	2002 - 2015
Total		317.21	44,920.72	0.71	27	64		
Beverly	Spring	18.98	11,394.61	0.17	2	92	2009, 2013	1996-1998, 2001-2015
	Calving	0	6,020.08	0.00	0	76	n/a	1996-1998, 2001-2015
	Post-calving	7.83	7,032.28	0.11	3	77	2007, 2009, 2013	1996-1997, 2001-2015
	Late Summer	37.29	8,411.42	0.44	4	76	2006, 2007, 2009, 2011, 2013	1996-1997, 2001-2015
	Fall	0	5,240.79	0.00	0	76	n/a	1996-1997, 2001-2015
	Fall Rut	0	4,234.00	0.00	0	75	n/a	1996-1997, 2001-2015
	Early Winter	0	9,374.94	0.00	0	75	n/a	1996-1997, 2001-2015
	Late Winter	0	14,565.22	0.00	0	88	n/a	1996-1997, 2001-2015
Total		64.10	66,273.35	0.10	6	94		



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Lorillard	Spring	86.29	5,149.93	1.68	18	36	2005, 2011-2015	1998-2006, 2011-2015
	Calving	1.34	3,001.75	0.04	1	36	2013	1998-2006, 2011-2015
	Post-calving	0	3,319.92	0.00	0	36	n/a	1998-2006, 2011-2015
	Late Summer	2.60	3,915.50	0.07	1	34	2000	1998-2006, 2011-2015
	Fall	0	2,495.25	0.00	0	34	n/a	1998-2005, 2011-2015
	Fall Rut	37.26	2,117.08	1.76	5	34	2003, 2004	1998-2005, 2011-2015
	Early Winter	41.35	4,506.50	0.92	9	34	2003, 2011, 2013-2015	1998-2005, 2011-2015
	Late Winter	99.08	6,079.21	1.63	5	30	1999, 2004, 2005, 2012	1998-2006, 2012-2015
<i>Total</i>		267.93	30,585.14	0.88	25	36		
Qamanirjuaq	Spring	3.30	15,558.25	0.02	1	147	2013	1993-2015
	Calving	0	11,156.80	0.00	0	147	n/a	1993-2015
	Post-calving	0	12,040.58	0.00	0	147	n/a	1993-2015
	Late Summer	0	13,603.20	0.00	0	142	n/a	1993-2015
	Fall	0	10,008.92	0.00	0	136	n/a	1993-2015
	Fall Rut	0	8,584.84	0.00	0	137	n/a	1993-2015
	Early Winter	0	15,616.85	0.00	0	137	n/a	1993-2015
	Late Winter	0	21,145.28	0.00	0	112	n/a	1994-2015
<i>Total</i>		3.30	107,714.70	0.00	1	147		
Wager Bay	Spring	16.74	2,282.83	0.73	5	18	2005, 2010, 2011, 2015	1999-2006, 2010-2012, 2015
	Calving	0.00	1,440.00	0.00	0	18	n/a	1999-2006, 2010-2012, 2015



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	Post-calving	0.00	1,668.17	0.00	0	18	n/a	1999-2006, 2010-2012, 2015
	Late Summer	16.77	2,043.00	0.82	1	18	2015	1999-2006, 2010-2012, 2015
	Fall	11.68	1,299.00	0.90	1	18	2015	1999-2006, 2010-2012, 2015
	Fall Rut	19.88	1,127.00	1.76	5	18	2003, 2004	1999-2006, 2010-2012, 2015
	Early Winter	60.72	2,369.17	2.56	6	18	2000, 2001, 2003, 2004, 2011	1999-2006, 2010-2012, 2015
	Late Winter	203.43	3,272.00	6.22	6	16	2001, 2002, 2004, 2005	2000-2006, 2010-2013
<i>Total</i>		329.23	15,501.17	2.12	12	18		
Total All Herds		981.76	264,995.08	0.37	71	359		

RSA = regional study area; % = percent.



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Table 5-D-2: Collared Caribou Road Crossing

		Meadowbank Road - All Years					Whale Tail Road - All Years				
Herd	Season	Number of Unique Collared Caribou within LSA	Number of Unique Collared Caribou that Cross Road	Mean Crossings per Individual	Max Crossings per Individual	Min Crossings per Individual	Number of Unique Collared Caribou within LSA	Number of Unique Collared Caribou that Cross Road	Mean Crossings per Individual	Max Crossings per Individual	Min Crossings per Individual
Ahiak	Spring	2	0	0	0	0	10	9	1.44	3	1
	Calving	0	0	0	0	0	0	0	0	0	0
	Post-calving	0	0	0	0	0	1	1	1	1	1
	Late Summer	1	0	0	0	0	1	1	2	2	2
	Fall	2	2	1	1	1	5	5	1.2	2	1
	Fall Rut	3	3	1.33	2	1	2	2	1	1	1
	Early Winter	2	2	1	1	1	1	1	1	1	1
	Late Winter	0	0	0	0	0	0	0	0	0	0
Total		10	7				20	19			
Beverly	Spring	0	0	0	0	0	1	1	1	1	1
	Calving	0	0	0	0	0	0	0	0	0	0
	Post-calving	0	0	0	0	0	0	0	0	0	0
	Late Summer	0	0	0	0	0	1	1	3	3	3
	Fall	0	0	0	0	0	0	0	0	0	0
	Fall Rut	0	0	0	0	0	0	0	0	0	0
	Early Winter	0	0	0	0	0	0	0	0	0	0
	Late Winter	0	0	0	0	0	0	0	0	0	0
Total		0	0				2	2			
Lorillard	Spring	14	13	1.23	2	1	11	11	1.27	3	1
	Calving	0	0	0	0	0	0	0	0	0	0
	Post-calving	0	0	0	0	0	0	0	0	0	0
	Late Summer	0	0	0	0	0	0	0	0	0	0
	Fall	0	0	0	0	0	0	0	0	0	0
	Fall Rut	0	0	0	0	0	0	0	0	0	0
	Early Winter	7	6	1.33	2	1	2	2	1	1	1



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	Late Winter	0	0	0	0	0	0	0	0	0	0
	<i>Total</i>	<i>21</i>	<i>19</i>				<i>13</i>	<i>13</i>			
Qamanirjuaq	Spring	0	0	0	0	0	1	1	1	1	1
	Calving	0	0	0	0	0	0	0	0	0	0
	Post-calving	0	0	0	0	0	0	0	0	0	0
	Late Summer	0	0	0	0	0	0	0	0	0	0
	Fall	0	0	0	0	0	0	0	0	0	0
	Fall Rut	0	0	0	0	0	0	0	0	0	0
	Early Winter	0	0	0	0	0	0	0	0	0	0
	Late Winter	0	0	0	0	0	0	0	0	0	0
	<i>Total</i>	<i>0</i>	<i>0</i>				<i>1</i>	<i>1</i>			
Wager Bay	Spring	1	1	2	2	2	1	1	1	1	1
	Calving	0	0	0	0	0	0	0	0	0	0
	Post-calving	0	0	0	0	0	0	0	0	0	0
	Late Summer	0	0	0	0	0	1	1	5	5	5
	Fall	1	0	0	0	0	0	0	0	0	0
	Fall Rut	0	0	0	0	0	1	1	1	1	1
	Early Winter	2	2	1	1	1	1	1	1	1	1
	Late Winter	0	0	0	0	0	1	1	1	1	1
	<i>Total</i>	<i>4</i>	<i>3</i>				<i>5</i>	<i>5</i>			
Total All Herds		35	29				41	40			

Notes: GPS Collars Only (Satellite and Unknown collar type excluded).

All Years included; Meadowbank Road Crossings range from 2007 to 2015, Whale Tail Road Crossings range from 2001 to 2015.

All queries on this page based on walklines, not telemetry points.