APPENDIX A

Wildlife Observations

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
JANUARY 2020						
January 9, 2020	12:52 PM	Haul Road	Arctic Fox	1	Joe Putumiraqtuq	Derek Nateela
January 10, 2020	12:17 PM	Haul Road	Musk Ox	1	Joe Putumiraqtuq	Derek Nateela
January 15, 2020	2:07 PM	Haul Road	Arctic Hare	2	Joe Putumiraqtuq	Derek Nateela
January 16, 2020	1:42 PM	Haul Road	Caribou	5	Joe Putumiraqtuq	Derek Nateela
January 17, 2020	2:37 PM	AWAR	Musk Ox	100	Derek Nateela	Joe Putumiraqtuq
January 29, 2020	3:33 PM	Haul Road	Caribou	5	Joe Putumiraqtuq	Simon
FEBRUARY 2020						
February 5, 2020	7:04 PM	Haul Road	Caribou	5	Joe Putumiraqtuq	Simon
February 7, 2020	2:58 PM	AWAR	Arctic Hare	1	Joe Putumiraqtuq	Laurence Archambault
February 7, 2020	2:58 PM	AWAR	Ptarmigan	1	Joe Putumiraqtuq	Laurence Archambault
February 17, 2020	4:17 PM	Amaruq	Caribou	1	Derek Nateela	Isabelle Couture
February 19, 2020	12:20 PM	Haul Road	Caribou	5	Joe Putumiraqtuq	
February 19, 2020	12:20 PM	Haul Road	Musk Ox	30	Joe Putumiraqtuq	
February 25, 2020	5:54 PM	Haul Road	Caribou	2	Joe Putumiraqtuq	
February 25, 2020	5:54 PM	Haul Road	Caribou	13	Joe Putumiraqtuq	
February 25, 2020	5:54 PM	Haul Road	Musk Ox	2	Joe Putumiraqtuq	
February 26, 2020	1:49 PM	Haul Road	Caribou	2	Joe Putumiraqtuq	
February 26, 2020	1:49 PM	Haul Road	Caribou	1	Joe Putumiraqtuq	
February 27, 2020	12:48 PM	Haul Road	Arctic Fox	1	Joe Putumiraqtuq	
MARCH 2020						
March 4, 2020	3:31 PM	AWAR	Caribou	88	Joe Putumiraqtuq	
March 4, 2020	3:31 PM	AWAR	Caribou	39	Joe Putumiraqtuq	
March 5, 2020	2:51 PM	Amaruq	Caribou	2	Derek Nateela	Simon CB
March 5, 2020	2:51 PM	Amaruq	Musk Ox	2	Derek Nateela	Simon CB
March 10, 2020	6:07 PM	Haul Road	Arctic Fox	1	Joe Putumiraqtuq	
March 10, 2020	6:07 PM	Haul Road	Caribou	6	Joe Putumiraqtuq	
March 10, 2020	6:07 PM	Haul Road	Musk Ox	35	Joe Putumiraqtuq	
March 11, 2020	2:01 PM	AWAR	Caribou	30	Derek Nateela	
March 11, 2020	2:01 PM	AWAR	Caribou	200	Derek Nateela	
March 11, 2020	2:01 PM	AWAR	Caribou	30	Derek Nateela	
March 11, 2020	11:26 AM	Haul Road	Musk Ox	23	Joe Putumiraqtuq	
March 12, 2020	11:42 AM	Haul Road	Musk Ox	40	Joe Putumiraqtuq	
March 12, 2020	1:52 PM	AWAR	Caribou	26	Derek Nateela	
March 12, 2020	1:52 PM	AWAR	Caribou	4	Derek Nateela	
March 12, 2020	1:52 PM	AWAR	Caribou	75	Derek Nateela	
March 12, 2020	11:42 AM	Haul Road	Ptarmigan	13	Joe Putumiraqtuq	
March 13, 2020	12:18 PM	Haul Road	Musk Ox	46	Joe Putumiraqtuq	
March 13, 2020	12:18 PM	Haul Road	Caribou	46	Joe Putumiraqtuq	
March 13, 2020	12:18 PM	Haul Road	Caribou	196	Joe Putumiraqtuq	
March 13, 2020	1:03 PM	AWAR	Caribou	50	Derek Nateela	
March 13, 2020	1:03 PM	AWAR	Caribou	10	Derek Nateela	
March 13, 2020	1:03 PM	AWAR	Caribou	18	Derek Nateela	
March 13, 2020	1:03 PM	AWAR	Ptarmigan	10	Derek Nateela	
March 14, 2020	2:00 PM	AWAR	Caribou	53	Laurence Archambault	
March 14, 2020	2:00 PM	AWAR	Caribou	29	Laurence Archambault	
March 14, 2020	6:31 PM	Amaruq	Caribou	2	Derek Nateela	
March 17, 2020	10:36 PM	Amaruq	Caribou	22	Derek Nateela	
March 20, 2020	7:26 PM	Haul Road	Caribou	1	Isabelle Couture	
March 22, 2020	12:16 PM	Haul Road	Caribou	3	Isabelle Couture	
March 22, 2020	12:16 PM	Haul Road	Caribou	100	Isabelle Couture	
March 25, 2020	5:26 PM	AWAR	Caribou	6	Isabelle Couture	
March 25, 2020	5:26 PM	AWAR	Caribou	9	Isabelle Couture	
March 25, 2020	5:26 PM	AWAR	Caribou	15	Isabelle Couture	
March 25, 2020	5:26 PM	AWAR	Caribou	31	Isabelle Couture	
March 28, 2020	2:16 PM	AWAR	Caribou	26	Nicolas Saucier	
March 28, 2020	2:16 PM	AWAR	Caribou	8	Nicolas Saucier	
March 28, 2020	2:16 PM	AWAR	Caribou	12	Nicolas Saucier	
March 28, 2020	2:16 PM	AWAR	Caribou	80	Nicolas Saucier	
March 28, 2020	2:16 PM	AWAR	Ptarmigan	10	Nicolas Saucier	
March 28, 2020	2:16 PM	AWAR	Caribou	22	Nicolas Saucier	
March 28, 2020	7:33 PM	Haul Road	Caribou	1	Rowan Woodall	
March 28, 2020	7:33 PM	Haul Road	Caribou	16	Rowan Woodall	
March 29, 2020	2:44 PM	Haul Road	Caribou	75	Nicolas Saucier	
March 31, 2020	8:18 PM	Haul Road	Musk Ox	34	Laurence Archambault	Philip Roy
March 31, 2020	8:18 PM	Haul Road	Caribou	2	Laurence Archambault	Philip Roy
March 31, 2020	8:18 PM	Haul Road	Caribou	3	Laurence Archambault	Philip Roy
March 31, 2020	8:18 PM	Haul Road	Caribou	1	Laurence Archambault	Philip Roy
March 31, 2020	8:18 PM	Haul Road	Caribou	1	Laurence Archambault	Philip Roy
March 31, 2020	8:18 PM	Haul Road	Caribou	255	Laurence Archambault	Philip Roy
APRIL 2020						
April 1, 2020	10:16 AM	AWAR	American crow	2	Laurence Archambault	
April 1, 2020	11:00 AM	AWAR	American crow	1	Philip Roy	
April 1, 2020	1:16 PM	AWAR	Arctic Hare	3	Daphne Morin	
April 1, 2020	1:16 PM	AWAR	Caribou	6	Daphne Morin	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
April 1, 2020	1:16 PM	AWAR	Caribou	20	Daphne Morin	Isabelle Couture
April 1, 2020	1:16 PM	AWAR	Caribou	20	Daphne Morin	
April 1, 2020	1:16 PM	AWAR	Caribou	24	Daphne Morin	
April 1, 2020	1:16 PM	AWAR	Caribou	250	Tom Thompson	Philip Roy
April 1, 2020	1:16 PM	AWAR	Caribou	60	Tom Thomson	
April 5, 2020	1:45 PM	Haul Road	Caribou	250	Daphne Morin	
April 5, 2020	1:45 PM	Haul Road	Ptarmigan	15	Laurence Archambault	
April 5, 2020	1:45 PM	Haul Road	Caribou	26	Louis Dubois	
April 5, 2020	1:45 PM	Haul Road	Caribou	27	Louis Dubois	
April 5, 2020	1:45 PM	Haul Road	Arctic Hare	10	Philip Roy	
April 5, 2020	1:45 PM	Haul Road	Caribou	2	Philip Roy	
April 5, 2020	1:45 PM	Haul Road	Caribou	6	Philip Roy	
April 5, 2020	1:45 PM	Haul Road	Caribou	8	Rowan Woodall	
April 5, 2020	1:45 PM	Haul Road	Caribou	21	Robin Allard	
April 5, 2020	1:45 PM	Haul Road	Caribou	25	Samuel Tapp	
April 5, 2020	1:45 PM	Haul Road	Caribou	4	Tom Thompson	Philip Roy
April 5, 2020	1:45 PM	Haul Road	Caribou	40	Tom Thompson	Philip Roy
April 5, 2020	1:45 PM	Haul Road	Caribou	50	Tom Thompson	Philip Roy
April 5, 2020	1:45 PM	Haul Road	Caribou	50	Tom Thomson	
April 6, 2020	12:32 PM	AWAR	American Crow	4	Philip Roy	
April 6, 2020	2:18 PM	AWAR	Caribou	11	Daphne Morin	Isabelle Couture
April 6, 2020	2:18 PM	AWAR	Caribou	11	Daphne Morin	
April 6, 2020	2:18 PM	AWAR	Grey Wolf	2	Daphne Morin	
April 6, 2020	2:18 PM	AWAR	Wolverine	1	Fanny Laporte	
April 6, 2020	2:18 PM	AWAR	Caribou	30	Fanny Laporte	
April 6, 2020	2:18 PM	AWAR	Caribou	62	Fanny Laporte	
April 6, 2020	2:18 PM	AWAR	Caribou	120	Nicolas Saucier	
April 6, 2020	2:18 PM	AWAR	Caribou	20	Philip Roy	
April 6, 2020	2:18 PM	AWAR	Caribou	20	Philip Roy	
April 6, 2020	2:18 PM	AWAR	Caribou	5	Philip Roy	
April 6, 2020	2:18 PM	AWAR	Caribou	37	Robin Allard	
April 6, 2020	2:18 PM	AWAR	Caribou	7	Samuel Tapp	
April 6, 2020	2:18 PM	AWAR	Caribou	400	Tom Thompson	Philip Roy
April 7, 2020	4:58 PM	Haul Road	Caribou	7	Philip Roy	
April 7, 2020	4:58 PM	Haul Road	Caribou	9	Rowan Woodall	
April 7, 2020	4:58 PM	Haul Road	Caribou	38	Robin Allard	
April 7, 2020	4:58 PM	Haul Road	Caribou	26	Samuel Tapp	
April 7, 2020	4:58 PM	Haul Road	Caribou	37	Samuel Tapp	
April 7, 2020	5:11 PM	AWAR	Caribou	1	Daphne Morin	
April 7, 2020	5:11 PM	AWAR	Caribou	40	Laurence Archambault	
April 7, 2020	5:11 PM	AWAR	Caribou	72	Laurence Archambault	
April 7, 2020	5:11 PM	AWAR	Caribou	28	Louis Dubois	
April 7, 2020	5:11 PM	AWAR	Caribou	4	Philip Roy	
April 7, 2020	5:11 PM	AWAR	Caribou	9	Philip Roy	
April 7, 2020	5:11 PM	AWAR	Caribou	20	Philip Roy	
April 7, 2020	5:11 PM	AWAR	Caribou	17	Philip Roy	
April 7, 2020	5:11 PM	AWAR	Caribou	21	Robin Allard	
April 7, 2020	5:11 PM	AWAR	Caribou	25	Robin Allard	
April 7, 2020	5:11 PM	AWAR	Caribou	31	Robin Allard	
April 7, 2020	5:11 PM	AWAR	Caribou	10	Tom Thompson	Philip Roy
April 7, 2020	5:11 PM	AWAR	Caribou	80	Tom Thompson	Philip Roy
April 7, 2020	9:48 PM	Haul Road	Caribou	3	Laurence Archambault	
April 7, 2020	9:48 PM	Haul Road	Caribou	5	Philip Roy	
April 8, 2020	12:20 PM	Haul Road	Caribou	8	Rowan Woodall	Katelyn Proulx
April 9, 2020	12:07 PM	AWAR	Caribou	3	Daphne Morin	Isabelle Couture
April 9, 2020	12:07 PM	AWAR	Caribou	20	Daphne Morin	
April 9, 2020	12:07 PM	AWAR	Caribou	8	Daphné Morin	
April 9, 2020	12:07 PM	AWAR	Caribou	5	Fanny Laporte	
April 9, 2020	12:07 PM	AWAR	Caribou	12	Isabelle Couture	
April 9, 2020	12:07 PM	AWAR	Caribou	34	Louis Dubois	
April 9, 2020	12:07 PM	AWAR	Caribou	125	Nicolas Saucier	
April 9, 2020	12:07 PM	AWAR	Caribou	30	Philip Roy	
April 9, 2020	12:18 PM	Haul Road	Caribou	70	Daphne Morin	Isabelle Couture
April 9, 2020	12:18 PM	Haul Road	Caribou	30	Fanny Laporte	
April 9, 2020	12:18 PM	Haul Road	Caribou	25	Louis Dubois	
April 9, 2020	12:18 PM	Haul Road	Caribou	34	Louis Dubois	
April 9, 2020	12:18 PM	Haul Road	Caribou	9	Philip Roy	
April 9, 2020	12:18 PM	Haul Road	Caribou	20	Philip Roy	
April 9, 2020	12:18 PM	Haul Road	Caribou	50	Robin Allard	
April 9, 2020	6:38 PM	AWAR	Caribou	35	Isabelle Couture	
April 9, 2020	6:38 PM	AWAR	Caribou	38	Isabelle Couture	
April 9, 2020	6:38 PM	AWAR	Caribou	22	Laurence Archambault	
April 9, 2020	6:38 PM	AWAR	Caribou	35	Louis Dubois	
April 9, 2020	6:38 PM	AWAR	Caribou	275	Louis Dubois	
April 9, 2020	6:38 PM	AWAR	Caribou	4	Philip Roy	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
April 9, 2020	6:38 PM	AWAR	Caribou	12	Philip Roy	
April 9, 2020	6:38 PM	AWAR	Caribou	20	Philip Roy	
April 9, 2020	6:38 PM	AWAR	Caribou	10	Rowan Woodall	
April 9, 2020	6:38 PM	AWAR	Caribou	5	Robin Allard	
April 9, 2020	6:38 PM	AWAR	Caribou	9	Robin Allard	
April 9, 2020	6:38 PM	AWAR	Caribou	19	Robin Allard	
April 9, 2020	6:38 PM	AWAR	Caribou	23	Robin Allard	
April 10, 2020	11:56 AM	Haul Road	Caribou	100	Daphne Morin	Isabelle Couture
April 10, 2020	11:56 AM	Haul Road	Caribou	100	Fanny Laporte	
April 10, 2020	11:56 AM	Haul Road	Caribou	130	Fanny Laporte	
April 10, 2020	11:56 AM	Haul Road	Caribou	3	Laurence Archambault	
April 10, 2020	11:56 AM	Haul Road	Caribou	3	Laurence Archambault	
April 10, 2020	11:56 AM	Haul Road	Caribou	6	Philip Roy	
April 10, 2020	11:56 AM	Haul Road	Caribou	6	Philip Roy	
April 10, 2020	11:56 AM	Haul Road	Caribou	20	Philip Roy	
April 10, 2020	11:56 AM	Haul Road	Caribou	21	Rowan Woodall	
April 10, 2020	11:56 AM	Haul Road	Caribou	34	Rowan Woodall	
April 10, 2020	11:56 AM	Haul Road	Caribou	75	Robin Allard	
April 10, 2020	12:26 PM	Haul Road	Caribou	8	Fanny Laporte	
April 10, 2020	12:26 PM	Haul Road	Caribou	11	Laurence Archambault	
April 10, 2020	12:26 PM	Haul Road	Caribou	55	Nicolas Saucier	
April 10, 2020	12:26 PM	Haul Road	Caribou	160	Nicolas Saucier	
April 10, 2020	12:26 PM	Haul Road	Caribou	2	Philip Roy	
April 10, 2020	12:26 PM	Haul Road	Caribou	5	Philip Roy	
April 10, 2020	12:26 PM	Haul Road	Grey Wolf	2	Rowan Woodall	
April 10, 2020	7:04 PM	Haul Road	Caribou	11	Laurence Archambault	
April 10, 2020	7:04 PM	Haul Road	Arctic Fox	1	Philip Roy	
April 10, 2020	7:04 PM	Haul Road	Caribou	150	Tom Thomson	
April 11, 2020	1:53 PM	Haul Road	Caribou	75	Daphne Morin	
April 11, 2020	1:53 PM	Haul Road	Caribou	75	Daphne Morin	
April 11, 2020	1:53 PM	Haul Road	Arctic Fox	1	Laurence Archambault	
April 11, 2020	1:53 PM	Haul Road	Caribou	58	Nicolas Saucier	
April 11, 2020	1:53 PM	Haul Road	Arctic Fox	1	Philip Roy	
April 11, 2020	1:53 PM	Haul Road	Common Raven	4	Philip Roy	
April 11, 2020	1:53 PM	Haul Road	Caribou	3	Philip Roy	
April 11, 2020	1:53 PM	Haul Road	Caribou	7	Robin Allard	
April 11, 2020	1:53 PM	Haul Road	Caribou	23	Robin Allard	
April 11, 2020	9:02 PM	Haul Road	Caribou	60	Philip Roy	
April 11, 2020	9:02 PM	Haul Road	Caribou	2	Robin Allard	
April 11, 2020	9:02 PM	Haul Road	Caribou	8	Rowan Woodall	Katelyn Proulx
April 11, 2020	9:02 PM	Haul Road	Caribou	34	Rowan Woodall	Katelyn Proulx
April 14, 2020	1:10 PM	Haul Road	Arctic Hare	1	Philip Roy	
April 14, 2020	1:10 PM	Haul Road	Caribou	21	Philip Roy	
April 14, 2020	1:10 PM	Haul Road	Caribou	60	Philip Roy	
April 14, 2020	1:10 PM	Haul Road	Caribou	5	Rowan Woodall	Katelyn Proulx
April 14, 2020	1:26 PM	Haul Road	Caribou	35	Fanny Laporte	
April 14, 2020	1:26 PM	Haul Road	Caribou	70	Philip Roy	
April 14, 2020	1:26 PM	Haul Road	Caribou	6	Philip Roy	
April 14, 2020	1:26 PM	Haul Road	Caribou	53	Samuel Tapp	
April 14, 2020	5:45 PM	AWAR	Caribou	75	Daphne Morin	
April 14, 2020	5:45 PM	AWAR	Caribou	38	Fanny Laporte	
April 14, 2020	5:45 PM	AWAR	Caribou	2	Fanny Laporte	
April 14, 2020	5:45 PM	AWAR	Caribou	22	Laurence Archambault	
April 14, 2020	5:45 PM	AWAR	Caribou	47	Laurence Archambault	
April 14, 2020	5:45 PM	AWAR	Caribou	80	Laurence Archambault	
April 15, 2020	1:14 PM	Haul Road	Caribou	65	Laurence Archambault	
April 15, 2020	1:14 PM	Haul Road	Caribou	3	Rowan Woodall	
April 15, 2020	1:14 PM	Haul Road	Caribou	6	Rowan Woodall	
April 16, 2020	12:19 PM	AWAR	Caribou	9	DaphneMorin	
April 16, 2020	12:19 PM	AWAR	Caribou	11	Fanny Laporte	
April 16, 2020	12:19 PM	AWAR	Arctic Hare	1	Laurence Archambault	
April 16, 2020	12:19 PM	AWAR	Caribou	35	Louis Dubois	
April 16, 2020	12:19 PM	AWAR	Caribou	3	Philip Roy	
April 16, 2020	12:19 PM	AWAR	Caribou	27	Rowan Woodall	
April 16, 2020	12:19 PM	AWAR	Caribou	150	Tom Thompson	Philip Roy
April 16, 2020	1:15 PM	Haul Road	Caribou	65	Nicolas Saucier	
April 16, 2020	1:15 PM	Haul Road	Caribou	23	Philip Roy	
April 16, 2020	1:15 PM	Haul Road	Caribou	23	Philip Roy	
April 16, 2020	1:15 PM	Haul Road	Caribou	70	Philip Roy	
April 16, 2020	1:15 PM	Haul Road	Caribou	250	Philip Roy	
April 16, 2020	1:15 PM	Haul Road	Arctic Hare	1	Philip Roy	
April 16, 2020	1:15 PM	Haul Road	Caribou	20	Philip Roy	
April 16, 2020	1:15 PM	Haul Road	Caribou	13	Samuel Tapp	
April 17, 2020	11:55 AM	AWAR	Caribou	30	Daphne Morin	
April 17, 2020	11:55 AM	AWAR	Caribou	120	Daphné Morin	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
April 17, 2020	11:55 AM	AWAR	Arctic Hare	2	Laurence Archambault	
April 17, 2020	11:55 AM	AWAR	Caribou	4	Philip Roy	
April 17, 2020	11:55 AM	AWAR	Caribou	34	Robin Allard	
April 17, 2020	1:20 PM	Haul Road	Caribou	30	Philip Roy	
April 19, 2020	12:07 PM	Haul Road	Caribou	30	Daphne Morin	
April 19, 2020	12:07 PM	Haul Road	Caribou	12	Laurence Archambault	
April 19, 2020	12:07 PM	Haul Road	Caribou	23	Laurence Archambault	
April 19, 2020	12:07 PM	Haul Road	Caribou	20	Louis Dubois	
April 19, 2020	12:07 PM	Haul Road	Caribou	20	Louis Dubois	
April 19, 2020	12:07 PM	Haul Road	Caribou	24	Philip Roy	
April 19, 2020	12:07 PM	Haul Road	Caribou	150	Tom Thomson	
April 19, 2020	12:43 PM	AWAR	Caribou	39	Fanny Laporte	
April 19, 2020	12:43 PM	AWAR	Caribou	6	Robin Allard	
April 21, 2020	11:43 AM	AWAR	Caribou	13	Daphne Morin	
April 21, 2020	11:43 AM	AWAR	Caribou	25	Daphne Morin	
April 21, 2020	11:43 AM	AWAR	Caribou	125	Daphne Morin	
April 21, 2020	11:43 AM	AWAR	Caribou	175	Daphne Morin	
April 21, 2020	11:43 AM	AWAR	Caribou	8	Fanny Laporte	
April 21, 2020	11:43 AM	AWAR	Caribou	35	Louis Dubois	
April 21, 2020	11:43 AM	AWAR	Caribou	45	Louis Dubois	
April 21, 2020	11:43 AM	AWAR	Caribou	24	Philip Roy	
April 21, 2020	11:43 AM	AWAR	Caribou	73	Philip Roy	
April 21, 2020	11:43 AM	AWAR	Caribou	5	Rowan Woodall	
April 21, 2020	11:43 AM	AWAR	Caribou	39	Samuel Tapp	
April 21, 2020	11:43 AM	AWAR	Caribou	100	Tom Thomson	
April 22, 2020	12:44 PM	Haul Road	Caribou	40	Tom Thompson	Philip Roy
April 22, 2020	1:57 PM	Haul Road	Arctic Hare	1	Philip Roy	
April 22, 2020	1:57 PM	Haul Road	Caribou	200	Samuel Tapp	
April 23, 2020	11:35 AM	Haul Road	Caribou	50	Louis Dubois	
April 23, 2020	11:35 AM	Haul Road	Caribou	5	Philip Roy	
April 23, 2020	11:35 AM	Haul Road	Caribou	35	Philip Roy	
April 23, 2020	11:35 AM	Haul Road	Caribou	17	Samuel Tapp	
April 23, 2020	6:14 PM	Haul Road	Caribou	7	Philip Roy	
April 23, 2020	6:14 PM	Haul Road	Caribou	77	Philip Roy	
April 23, 2020	6:14 PM	Haul Road	Caribou	80	Philip Roy	
April 24, 2020	12:09 PM	Haul Road	Caribou	50	Fanny Laporte	
April 24, 2020	12:09 PM	Haul Road	Caribou	23	Laurence Archambault	
April 24, 2020	12:09 PM	Haul Road	Caribou	7	Nicolas Saucier	
April 24, 2020	12:09 PM	Haul Road	Caribou	7	Philip Roy	
April 24, 2020	12:09 PM	Haul Road	Caribou	9	Philip Roy	
April 24, 2020	12:09 PM	Haul Road	Caribou	2	Rowan Woodall	
April 24, 2020	12:09 PM	Haul Road	Caribou	30	Rowan Woodall	
April 24, 2020	1:48 PM	Haul Road	Caribou	2	Rowan Woodall	Katelyn Proulx
April 25, 2020	12:06 PM	Haul Road	Caribou	9	Philip Roy	
April 25, 2020	12:06 PM	Haul Road	Caribou	15	Philip Roy	
April 25, 2020	12:06 PM	Haul Road	Caribou	34	Philip Roy	
April 25, 2020	12:06 PM	Haul Road	Caribou	40	Philip Roy	
April 25, 2020	12:06 PM	Haul Road	Caribou	80	Philip Roy	
April 25, 2020	12:06 PM	Haul Road	Caribou	20	Tom Thompson	Philip Roy
April 25, 2020	1:26 PM	AWAR	Caribou	15	Daphne Morin	
April 25, 2020	1:26 PM	AWAR	Caribou	35	Daphne Morin	
April 25, 2020	1:26 PM	AWAR	Caribou	35	Daphne Morin	
April 25, 2020	1:26 PM	AWAR	Caribou	35	Daphne Morin	
April 25, 2020	1:26 PM	AWAR	Caribou	23	Daphne Morin	Isabelle Couture
April 25, 2020	1:26 PM	AWAR	Caribou	15	DaphneMorin	
April 25, 2020	1:26 PM	AWAR	Caribou	30	DaphneMorin	
April 25, 2020	1:26 PM	AWAR	Caribou	23	Fanny Laporte	
April 25, 2020	1:26 PM	AWAR	Caribou	30	Fanny Laporte	
April 25, 2020	1:26 PM	AWAR	Caribou	10	Fanny Laporte	
April 25, 2020	1:26 PM	AWAR	Caribou	50	Fanny Laporte	
April 25, 2020	1:26 PM	AWAR	Caribou	7	Louis Dubois	
April 25, 2020	1:26 PM	AWAR	Caribou	50	Louis Dubois	
April 25, 2020	1:26 PM	AWAR	Caribou	5	Philip Roy	
April 25, 2020	1:26 PM	AWAR	Caribou	21	Samuel Tapp	
April 26, 2020	11:29 AM	Haul Road	Caribou	16	Louis Dubois	
April 26, 2020	11:29 AM	Haul Road	Caribou	100	Philip Roy	
April 26, 2020	2:45 PM	AWAR	Caribou	50	Daphne Morin	Isabelle Couture
April 26, 2020	2:45 PM	AWAR	Caribou	6	Laurence Archambault	
April 26, 2020	2:45 PM	AWAR	Caribou	7	Laurence Archambault	
April 26, 2020	2:45 PM	AWAR	Caribou	5	Louis Dubois	
April 26, 2020	2:45 PM	AWAR	Caribou	30	Philip Roy	
April 26, 2020	2:45 PM	AWAR	Caribou	40	Philip Roy	
April 26, 2020	2:45 PM	AWAR	Caribou	130	Philip Roy	
April 26, 2020	2:45 PM	AWAR	Common Raven	1	Philip Roy	
April 26, 2020	2:45 PM	AWAR	Caribou	60	Tom Thompson	Philip Roy
April 26, 2020	6:36 PM	AWAR	Caribou	50	Daphne Morin	Isabelle Couture

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
April 26, 2020	6:36 PM	AWAR	Caribou	10	Fanny Laporte	
April 26, 2020	6:36 PM	AWAR	Caribou	39	Laurence Archambault	
April 26, 2020	6:36 PM	AWAR	Caribou	25	Louis Dubois	
April 26, 2020	6:36 PM	AWAR	Caribou	14	Nicolas Saucier	
April 26, 2020	6:36 PM	AWAR	Arctic Hare	1	Philip Roy	
April 26, 2020	6:36 PM	AWAR	Caribou	8	Philip Roy	
April 26, 2020	6:36 PM	AWAR	Caribou	42	Philip Roy	
April 26, 2020	6:36 PM	AWAR	Caribou	10	Robin Allard	
April 26, 2020	6:36 PM	AWAR	Caribou	100	Robin Allard	
April 27, 2020	3:07 PM	AWAR	Caribou	35	Fanny Laporte	
April 27, 2020	3:07 PM	AWAR	Caribou	22	Fanny Laporte	
April 27, 2020	3:07 PM	AWAR	Caribou	60	Fanny Laporte	
April 27, 2020	3:07 PM	AWAR	Arctic Hare	3	Laurence Archambault	
April 27, 2020	3:07 PM	AWAR	Caribou	35	Nicolas Saucier	
April 27, 2020	3:07 PM	AWAR	Arctic Hare	3	Philip Roy	
April 27, 2020	5:42 PM	Haul Road	Caribou	50	Daphne Morin	
April 27, 2020	5:42 PM	Haul Road	Caribou	175	Daphne Morin	
April 27, 2020	5:42 PM	Haul Road	Caribou	25	Fanny Laporte	
April 27, 2020	5:42 PM	Haul Road	Caribou	13	Fanny Laporte	
April 27, 2020	5:42 PM	Haul Road	Caribou	8	Laurence Archambault	
April 27, 2020	5:42 PM	Haul Road	Caribou	14	Philip Roy	
April 27, 2020	5:42 PM	Haul Road	Caribou	26	Philip Roy	
April 27, 2020	5:42 PM	Haul Road	Caribou	41	Philip Roy	
April 27, 2020	5:42 PM	Haul Road	Caribou	62	Rowan Woodall	
April 27, 2020	5:42 PM	Haul Road	Caribou	400	Tom Thompson	Philip Roy
April 27, 2020	8:46 PM	AWAR	Caribou	200	Daphne Morin	
April 27, 2020	8:46 PM	AWAR	Caribou	14	Laurence Archambault	
April 27, 2020	8:46 PM	AWAR	Caribou	50	Louis Dubois	
April 27, 2020	8:46 PM	AWAR	Caribou	56	Philip Roy	
April 28, 2020	11:19 AM	Haul Road	Caribou	52	Daphne Morin	
April 28, 2020	11:19 AM	Haul Road	Caribou	110	Fanny Laporte	
April 28, 2020	11:19 AM	Haul Road	Caribou	18	Fanny Laporte	
April 28, 2020	11:19 AM	Haul Road	Caribou	19	Fanny Laporte	
April 28, 2020	11:19 AM	Haul Road	Caribou	9	Laurence Archambault	
April 28, 2020	11:19 AM	Haul Road	Caribou	50	Philip Roy	
April 28, 2020	12:05 PM	AWAR	Caribou	23	Laurence Archambault	
April 28, 2020	12:05 PM	AWAR	Caribou	87	Philip Roy	
April 28, 2020	12:05 PM	AWAR	Common Raven	1	Philip Roy	
April 28, 2020	3:17 PM	Haul Road	Caribou	2	Philip Roy	
April 28, 2020	3:17 PM	Haul Road	Caribou	130	Philip Roy	
April 28, 2020	3:17 PM	Haul Road	Caribou	6	Robin Allard	
April 28, 2020	3:17 PM	Haul Road	Caribou	500	Robin Allard	
April 28, 2020	9:00 PM	AWAR	Caribou	30	Fanny Laporte	
April 28, 2020	9:00 PM	AWAR	Caribou	10	Rowan Woodall	Katelyn Proulx
April 29, 2020	1:11 PM	Haul Road	Caribou	120	Fanny Laporte	
April 29, 2020	1:11 PM	Haul Road	Arctic Hare	4	Laurence Archambault	
April 29, 2020	1:11 PM	Haul Road	Caribou	35	Nicolas Saucier	
April 29, 2020	4:15 PM	Haul Road	Caribou	40	Laurence Archambault	
April 29, 2020	4:15 PM	Haul Road	Caribou	4	Philip Roy	
April 29, 2020	4:15 PM	Haul Road	Caribou	4	Robin Allard	
April 29, 2020	4:15 PM	Haul Road	Musk Ox	23	Tom Thompson	Philip Roy
April 29, 2020	7:07 PM	AWAR	Caribou	15	Laurence Archambault	
April 29, 2020	7:07 PM	AWAR	Caribou	100	Louis Dubois	
April 29, 2020	7:07 PM	AWAR	Caribou	130	Louis Dubois	
April 29, 2020	7:07 PM	AWAR	Caribou	9	Philip Roy	
April 29, 2020	7:07 PM	AWAR	Caribou	27	Philip Roy	
April 29, 2020	7:07 PM	AWAR	Caribou	29	Philip Roy	
April 29, 2020	7:07 PM	AWAR	Caribou	90	Philip Roy	
April 29, 2020	7:07 PM	AWAR	Ptarmigan	1	Philip Roy	
April 29, 2020	7:07 PM	AWAR	Caribou	10	Robin Allard	
April 29, 2020	7:07 PM	AWAR	Caribou	13	Robin Allard	
April 29, 2020	7:07 PM	AWAR	Caribou	300	Samuel Tapp	
April 29, 2020	7:07 PM	AWAR	Caribou	20	Tom Thompson	Philip Roy
April 30, 2020	12:10 PM	AWAR	Caribou	21	Daphne Morin	
April 30, 2020	12:10 PM	AWAR	Caribou	49	Nicolas Saucier	
April 30, 2020	12:10 PM	AWAR	Caribou	8	Philip Roy	
April 30, 2020	12:10 PM	AWAR	Caribou	90	Philip Roy	
April 30, 2020	12:10 PM	AWAR	Caribou	61	Samuel Tapp	
April 30, 2020	12:52 PM	Haul Road	Caribou	67	Daphne Morin	
April 30, 2020	2:35 PM	AWAR	Caribou	150	Philip Roy	
April 30, 2020	2:35 PM	AWAR	Caribou	16	Robin Allard	
April 30, 2020	2:35 PM	AWAR	Caribou	105	Samuel Tapp	
April 30, 2020	5:56 PM	AWAR	Common Raven	2	Laurence Archambault	
April 30, 2020	5:56 PM	AWAR	Ptarmigan	5	Laurence Archambault	
April 30, 2020	5:56 PM	AWAR	Caribou	29	Philip Roy	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
April 30, 2020	8:14 PM	AWAR	Caribou	26	Daphne Morin	
April 30, 2020	8:14 PM	AWAR	Caribou	25	Fanny Laporte	
April 30, 2020	8:14 PM	AWAR	Caribou	10	Louis Dubois	
April 30, 2020	8:14 PM	AWAR	Caribou	2	Samuel Tapp	
MAY 2020						
May 1, 2020	12:52 PM	Amaruq	Arctic Hare	2	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	4	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	7	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	10	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	17	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	24	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	30	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	40	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Musk Ox	40	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Musk Ox	40	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	47	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	50	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	70	Gilles Ladouceur	Isabelle Couture
May 1, 2020	12:52 PM	Amaruq	Caribou	80	Gilles Ladouceur	Isabelle Couture
May 2, 2020	12:28 PM	Amaruq	Caribou	2	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	5	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	6	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	7	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	8	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	9	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	9	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	10	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	14	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	15	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	27	Daphné Morin	
May 2, 2020	12:28 PM	Amaruq	Caribou	60	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Arctic Fox	1	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	3	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	5	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	9	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	12	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	15	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	25	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	27	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	70	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	80	Daphné Morin	
May 3, 2020	1:24 PM	AWAR	Caribou	1352	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Arctic Fox	1	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Caribou	2	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Caribou	5	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Caribou	5	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Caribou	8	Daphné Morin	
May 4, 2020	8:46 PM	AWAR	Caribou	12	Cedric Godbout-Parent	Daphné Morin
May 4, 2020	8:46 PM	AWAR	Caribou	17	Cedric Godbout-Parent	Daphné Morin
May 4, 2020	11:25 AM	Amaruq	Caribou	27	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Caribou	27	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Caribou	31	Daphné Morin	
May 4, 2020	11:25 AM	Amaruq	Caribou	52	Daphné Morin	
May 4, 2020	8:46 PM	AWAR	Caribou	30200220	Cedric Godbout-Parent	Daphné Morin
May 5, 2020	12:14 PM	AWAR	Caribou	2	Daphné Morin	
May 5, 2020	11:20 AM	Haul Road	Caribou	10	Cedric Godbout-Parent	
May 5, 2020	12:14 PM	AWAR	Caribou	10	Daphné Morin	
May 5, 2020	12:14 PM	AWAR	Caribou	12	Daphné Morin	
May 5, 2020	11:20 AM	Haul Road	Caribou	16	Cedric Godbout-Parent	
May 5, 2020	11:20 AM	Haul Road	Caribou	23	Cedric Godbout-Parent	
May 5, 2020	11:20 AM	Haul Road	Caribou	31	Cedric Godbout-Parent	
May 5, 2020	12:14 PM	AWAR	Caribou	50	Daphné Morin	
May 5, 2020	11:20 AM	Haul Road	Caribou	60	Cedric Godbout-Parent	
May 6, 2020	7:26 PM	Haul Road	Caribou	4	Katelyn Proulx	
May 6, 2020	7:26 PM	Haul Road	Caribou	4	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	6	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	6	Katelyn Proulx	
May 6, 2020	7:26 PM	Haul Road	Caribou	6	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	7	Katelyn Proulx	
May 6, 2020	7:26 PM	Haul Road	Caribou	7	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	8	Katelyn Proulx	
May 6, 2020	7:26 PM	Haul Road	Caribou	10	Katelyn Proulx	
May 6, 2020	7:26 PM	Haul Road	Caribou	11	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	15	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	15	Katelyn Proulx	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
May 6, 2020	12:05 PM	Haul Road	Caribou	16	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	21	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	21	Katelyn Proulx	
May 6, 2020	12:05 PM	Haul Road	Caribou	22	Katelyn Proulx	
May 7, 2020	1:29 PM	AWAR	Caribou	1	Cedric Godbout-Parent	
May 7, 2020	12:06 PM	Haul Road	Caribou	3	Katelyn Proulx	
May 7, 2020	1:29 PM	AWAR	Caribou	4	Cedric Godbout-Parent	
May 7, 2020	1:29 PM	AWAR	Caribou	5	Cedric Godbout-Parent	
May 7, 2020	12:06 PM	Haul Road	Caribou	5	Katelyn Proulx	
May 7, 2020	1:29 PM	AWAR	Caribou	9	Cedric Godbout-Parent	
May 7, 2020	12:06 PM	Haul Road	Caribou	19	Katelyn Proulx	
May 8, 2020	4:02 PM	Haul Road	Caribou	13	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Wolverine	1	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Caribou	3	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Caribou	4	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Caribou	4	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Caribou	8	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Ptarmigan	10	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Caribou	15	Josée Brazeau	
May 9, 2020	12:15 PM	Haul Road	Ptarmigan	20	Josée Brazeau	
May 10, 2020	12:32 PM	Haul Road	Caribou	32	Josée Brazeau	
May 10, 2020	12:32 PM	Haul Road	Caribou	7333	Josée Brazeau	
May 11, 2020	3:53 PM	Haul Road	Caribou	7	Josée Brazeau	
May 11, 2020	3:53 PM	Haul Road	Caribou	8	Josée Brazeau	
May 11, 2020	3:53 PM	Haul Road	Caribou	23	Josée Brazeau	
May 11, 2020	3:53 PM	Haul Road	Caribou	75	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Arctic Hare	1	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Arctic Hare	1	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Caribou	2	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Caribou	8	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Caribou	10	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Caribou	15	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Caribou	15	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Caribou	28	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Caribou	31	Josée Brazeau	
May 12, 2020	12:34 PM	Haul Road	Ptarmigan	48	Josée Brazeau	
May 13, 2020	10:57 AM	Haul Road	Caribou	8	Josée Brazeau	
May 13, 2020	10:57 AM	Haul Road	Caribou	8	Josée Brazeau	
May 13, 2020	10:57 AM	Haul Road	Caribou	13	Josée Brazeau	
May 14, 2020	5:41 PM	Haul Road	Caribou	4	Josée Brazeau	
May 14, 2020	5:41 PM	Haul Road	Caribou	8	Josée Brazeau	
May 14, 2020	5:41 PM	Haul Road	Caribou	17	Josée Brazeau	
May 15, 2020	11:09 AM	Haul Road	Caribou	4	Josée Brazeau	
May 15, 2020	11:09 AM	Haul Road	Caribou	8	Josée Brazeau	
May 16, 2020	11:55 AM	Haul Road	Caribou	5	Josée Brazeau	
May 16, 2020	11:55 AM	Haul Road	Caribou	6	Josée Brazeau	
May 16, 2020	11:55 AM	Haul Road	Caribou	10	Josée Brazeau	
May 16, 2020	11:55 AM	Haul Road	Caribou	20	Josée Brazeau	
May 17, 2020	1:48 PM	Haul Road	Caribou	5	Josée Brazeau	
May 17, 2020	1:48 PM	Haul Road	Caribou	8	Josée Brazeau	
May 17, 2020	1:48 PM	Haul Road	Caribou	10	Josée Brazeau	
May 17, 2020	1:48 PM	Haul Road	Caribou	12	Josée Brazeau	
May 17, 2020	1:48 PM	Haul Road	Snow goose	26	Josée Brazeau	
May 28, 2020	2:10 PM	AWAR	Gull species	1	Virginie Durand	Philip Roy
May 28, 2020	2:32 PM	AWAR	Gull species	1	Virginie Durand	Philip Roy
May 28, 2020	3:23 PM	AWAR	Gull species	1	Virginie Durand	Philip Roy
May 28, 2020	3:26 PM	AWAR	Gull species	12	Virginie Durand	Philip Roy
May 30, 2020	1:00 AM	AWAR	Gull species	12	Virginie Durand	Nicolas Saucier
May 30, 2020	12:00 PM	AWAR	Gull species	10	Virginie Durand	Nicolas Saucier
May 30, 2020	3:00 PM	AWAR	Snow owl	1	Virginie Durand	Nicolas Saucier
JUNE 2020						
June 4, 2020	3:37 PM	AWAR	Gull species	10	Virginie Durand	
June 5, 2020	11:27 AM	AWAR	Gull species	10	Virginie Durand	
June 6, 2020	11:35 AM	AWAR	Caribou	2	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Caribou	1	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Caribou	1	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Caribou	2	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Caribou	1	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Caribou	1	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Caribou	2	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Sandhill Crane	2	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Sandhill Crane	2	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Sandhill Crane	1	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Canada goose	1	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Sandhill Crane	2	Cedric Godbout-Parent	Katelyn Proulx

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
June 6, 2020	11:35 AM	AWAR	Sandhill Crane	2	Cedric Godbout-Parent	Katelyn Proulx
June 6, 2020	11:35 AM	AWAR	Canada Goose	1	Jade	Kathleen Newberry
June 6, 2020	11:35 AM	AWAR	Sandhill Crane	1	Jade	Kathleen Newberry
June 6, 2020	11:35 AM	AWAR	Snow goose	4	Kathleen Newberry	Eric Hayley
June 8, 2020	10:12 AM	AWAR	Gull species	7	Virginie Durand	
June 13, 2020	11:31 AM	AWAR	Arctic Hare	6	Kathleen Newberry	Math
June 13, 2020	11:31 AM	AWAR	Arctic Hare	3	Kathleen Newberry	Math
June 13, 2020	11:31 AM	AWAR	Caribou	3	Kathleen Newberry	Eric Hayley
June 13, 2020	11:31 AM	AWAR	Caribou	2	Laurence Archambault	Katelyn Proulx
June 13, 2020	11:31 AM	AWAR	Caribou	3	Laurence Archambault	Katelyn Proulx
June 13, 2020	11:31 AM	AWAR	Caribou	5	Laurence Archambault	Katelyn Proulx
June 13, 2020	11:31 AM	AWAR	Caribou	2	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	Caribou	11	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	Caribou	20	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	Caribou	2	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	Caribou	2	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	Musk Ox	2	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	ough-Legged hav	3	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	Sandhill Crane	3	Laurence Archambault	
June 13, 2020	11:31 AM	AWAR	Snow goose	6	Laurence Archambault	
June 19, 2020	12:34 PM	AWAR	Arctic Hare	7	Laurence Archambault	
June 19, 2020	12:34 PM	AWAR	Arctic Hare	1	Laurence Archambault	Katelyn Proulx
June 19, 2020	12:34 PM	AWAR	Arctic Hare	8	Laurence Archambault	Katelyn Proulx
June 19, 2020	12:34 PM	AWAR	Caribou	12	Laurence Archambault	Katelyn Proulx
June 19, 2020	12:34 PM	AWAR	Caribou	14	Laurence Archambault	Katelyn Proulx
June 19, 2020	12:34 PM	AWAR	Caribou	1	Laurence Archambault	Katelyn Proulx
June 19, 2020	12:34 PM	AWAR	Caribou	2	Laurence Archambault	
June 19, 2020	12:34 PM	AWAR	Caribou	3	Laurence Archambault	
June 19, 2020	12:34 PM	AWAR	Ptarmigan	10	Laurence Archambault	
June 19, 2020	12:34 PM	AWAR	Sandhill Crane	21	Laurence Archambault	
June 19, 2020	12:34 PM	AWAR	rctic ground squirr	6	Laurence Archambault	
June 25, 2020	6:06 PM	Haul Road	Caribou	1	Laurence Archambault	Katelyn Proulx
June 25, 2020	6:06 PM	Haul Road	Caribou	1	Laurence Archambault	Katelyn Proulx
June 25, 2020	6:06 PM	Haul Road	Musk Ox	1	Laurence Archambault	Katelyn Proulx
June 26, 2020	5:59 PM	AWAR	Arctic Fox	10	Laurence Archambault	
June 26, 2020	1:01 PM	Haul Road	Caribou	10	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Musk Ox	11	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Musk Ox	5	Laurence Archambault	
June 26, 2020	1:01 PM	Haul Road	Musk Ox	4	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Sandhill Crane	4	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Ptarmigan	5	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Sandhill Crane	10	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Goose species	10	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Goose species	27	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	Peregrine Falcon	1	Laurence Archambault	
June 26, 2020	5:59 PM	AWAR	rctic ground squirr	1	Laurence Archambault	
June 27, 2020	5:37 PM	Haul Road	Caribou	7	Laurence Archambault	
June 27, 2020	5:37 PM	Haul Road	Caribou	22	Laurence Archambault	
June 28, 2020	12:35 PM	Haul Road	Musk Ox	8	Laurence Archambault	
June 28, 2020	12:35 PM	Haul Road	Musk Ox	8	Laurence Archambault	
June 28, 2020	5:00 PM	Haul Road	Grizzly Bear	1		
JULY 2020						
July 1, 2020	5:53 PM	Haul Road	Peregrine Falcon	1	Virginie Durand	Cedric Godbout-Parent
July 2, 2020	2:38 PM	Haul Road	Caribou	1	Virginie Durand	Cedric Godbout-Parent
July 2, 2020	2:38 PM	Haul Road	Musk Ox	1	Virginie Durand	Isabelle Couture
July 3, 2020	12:50 PM	AWAR	Common Raven	1	Virginie Durand	Isabelle Couture
July 3, 2020	12:50 PM	AWAR	Musk Ox	1	Virginie Durand	Isabelle Couture
July 3, 2020	12:50 PM	AWAR	Musk Ox	2	Virginie Durand	Isabelle Couture
July 3, 2020	12:50 PM	AWAR	Ptarmigan	2	Virginie Durand	Isabelle Couture
July 3, 2020	12:50 PM	AWAR	Sandhill Crane	2	Virginie Durand	Isabelle Couture
July 3, 2020	12:50 PM	AWAR	Sandhill Crane	1	Nicolas Saucier	Kathleen Newberry
July 5, 2020	1:28 PM	Haul Road	Canada Goose	1	Nicolas Saucier	Kathleen Newberry
July 5, 2020	1:28 PM	Haul Road	Musk Ox	2	Nicolas Saucier	Kathleen Newberry
July 5, 2020	1:28 PM	Haul Road	Musk Ox	3	Nicolas Saucier	Kathleen Newberry
July 5, 2020	1:28 PM	Haul Road	Musk Ox	4	Perle Dion-Trudel	Kathleen Newberry
July 6, 2020	2:49 PM	AWAR	Arctic Hare	2	Cedric Godbout-Parent	
July 6, 2020	2:49 PM	AWAR	Musk Ox	2	Cedric Godbout-Parent	
July 6, 2020	2:49 PM	AWAR	Musk Ox	9	Cedric Godbout-Parent	
July 8, 2020	5:58 PM	Haul Road	Caribou	25	Cedric Godbout-Parent	
July 14, 2020	3:59 PM	Haul Road	ctic Ground Squir	1	Cedric Godbout-Parent	
July 14, 2020	3:59 PM	Haul Road	Caribou	1	Cedric Godbout-Parent	
July 14, 2020	3:59 PM	Haul Road	Musk Ox	1	Cedric Godbout-Parent	
July 17, 2020	1:56 PM	AWAR	ctic Ground Squir	1	Cedric Godbout-Parent	
July 17, 2020	1:56 PM	AWAR	Musk Ox	1	Cedric Godbout-Parent	
July 17, 2020	1:56 PM	AWAR	Musk Ox	1	Cedric Godbout-Parent	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
July 20, 2020	11:33 AM	AWAR	Musk Ox	1	Cedric Godbout-Parent	
July 20, 2020	11:33 AM	AWAR	Musk Ox	2	Cedric Godbout-Parent	
July 20, 2020	11:33 AM	AWAR	Musk Ox	1	Kathleen Newberry	
July 20, 2020	11:33 AM	AWAR	Sandhill Crane	1	Kathleen Newberry	
July 22, 2020	5:47 PM	Haul Road	Musk Ox	1	Kathleen Newberry	
July 22, 2020	5:47 PM	Haul Road	Musk Ox	1	Kathleen Newberry	
July 23, 2020	12:48 PM	AWAR	ctic Ground Squir	1	Kathleen Newberry	
July 23, 2020	12:48 PM	AWAR	Musk Ox	2	Kathleen Newberry	
July 23, 2020	12:48 PM	AWAR	Musk Ox	17	Kathleen Newberry	
July 23, 2020	12:48 PM	AWAR	Ptarmigan	1	Virginie Durand	
July 26, 2020	2:29 PM	Haul Road	Musk Ox	1	Virginie Durand	
July 28, 2020	12:36 PM	Haul Road	Caribou	1	Virginie Durand	
July 28, 2020	12:36 PM	Haul Road	Musk Ox	1	Virginie Durand	
July 28, 2020	12:36 PM	Haul Road	Musk Ox	1	Virginie Durand	
July 28, 2020	12:36 PM	Haul Road	Sandhill Crane	2	Virginie Durand	
July 31, 2020	11:29 AM	Haul Road	ctic Ground Squir	2	Virginie Durand	
July 31, 2020	11:29 AM	Haul Road	Musk Ox	2	Virginie Durand	
AUGUST 2020						
August 1, 2020	1:51 PM	AWAR	Arctic Fox	4	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	Arctic Hare	1	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	Arctic Hare	1	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	Musk Ox	1	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	Musk Ox	25	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	Musk Ox	1	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	Sandhill Crane	2	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	Sandhill Crane	2	Virginie Durand	Cederic Godbout-Parent
August 1, 2020	1:51 PM	AWAR	ctic Ground Squir	3	Virginie Durand	Cederic Godbout-Parent
August 3, 2020	12:54 PM	Haul Road	Arctic Hare	2	Virginie Durand	
August 3, 2020	12:54 PM	Haul Road	Arctic Hare	1	Virginie Durand	
August 3, 2020	12:54 PM	Haul Road	Caribou	1	Virginie Durand	
August 3, 2020	12:54 PM	Haul Road	Common Raven	2	Virginie Durand	
August 4, 2020	11:33 AM	AWAR	Arctic Hare	2	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Arctic Hare	2	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Musk Ox	1	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Musk Ox	1	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Musk Ox	2	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Musk Ox	1	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Musk Ox	1	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Musk Ox	2	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Canada goose	13	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Canada goose	13	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Peregrine Falcon	1	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Peregrine Falcon	1	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Peregrine Falcon	1	Katelyn Proulx	
August 4, 2020	11:33 AM	AWAR	Peregrine Falcon	1	Katelyn Proulx	
August 5, 2020	12:59 PM	Haul Road	Caribou	60	Katelyn Proulx	
August 5, 2020	12:59 PM	Haul Road	Musk Ox	1	Katelyn Proulx	
August 5, 2020	12:59 PM	Haul Road	Musk Ox	1	Katelyn Proulx	
August 8, 2020	11:20 AM	AWAR	Arctic Fox	1	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Arctic Fox	1	Virginie Durand	
August 8, 2020	12:13 PM	Haul Road	Arctic Fox	1	Eric Haley	
August 8, 2020	11:20 AM	AWAR	Arctic Hare	1	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Arctic Hare	1	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Arctic Hare	1	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Caribou	2	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Caribou	500	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Caribou	200	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Caribou	1	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Caribou	800	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Caribou	100	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Caribou	1	Virginie Durand	
August 8, 2020	12:13 PM	Haul Road	Caribou	2	Eric Haley	
August 8, 2020	12:13 PM	Haul Road	Caribou	75	Eric Haley	
August 8, 2020	12:13 PM	Haul Road	Caribou	2	Eric Haley	
August 8, 2020	12:13 PM	Haul Road	Caribou	4	Eric Haley	
August 8, 2020	11:20 AM	AWAR	Musk Ox	1	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Musk Ox	15	Virginie Durand	
August 8, 2020	11:20 AM	AWAR	Musk Ox	1	Virginie Durand	
August 9, 2020	12:22 PM	AWAR	Caribou	10	Virginie Durand	
August 9, 2020	12:22 PM	AWAR	Caribou	7	Virginie Durand	
August 9, 2020	12:22 PM	AWAR	Caribou	20	Virginie Durand	
August 9, 2020	12:22 PM	AWAR	Caribou	450	Virginie Durand	
August 9, 2020	12:22 PM	AWAR	Caribou	300	Virginie Durand	
August 9, 2020	12:22 PM	AWAR	Caribou	325	Virginie Durand	
August 9, 2020	12:22 PM	AWAR	Caribou	20	Virginie Durand	

Wildlife Observations						
Date	Time	Location	Wildlife Species	Quantity	Observer Name #1	Observer Name #2
August 9, 2020	12:22 PM	AWAR	Caribou	10	Virginie Durand	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 9, 2020	12:22 PM	AWAR	Musk Ox	1	Virginie Durand	
August 9, 2020	6:57 PM	Haul Road	Duck species	4	Katelyn Proulx	
August 9, 2020	6:57 PM	Haul Road	Duck species	4	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	2	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	10	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	15	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	19	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	3	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	500	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	25	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	400	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	3	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Caribou	1	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Musk Ox	1	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Musk Ox	18	Katelyn Proulx	
August 10, 2020	4:42 PM	AWAR	Musk Ox	21	Katelyn Proulx	
August 11, 2020	4:16 PM	Haul Road	Caribou	3	Katelyn Proulx	
August 11, 2020	4:16 PM	Haul Road	Caribou	1	Katelyn Proulx	
August 11, 2020	4:16 PM	Haul Road	Canada goose	16	Katelyn Proulx	
August 13, 2020	6:03 PM	AWAR	Arctic Fox	4	Katelyn Proulx	
August 13, 2020	6:03 PM	AWAR	Arctic Fox	1	Katelyn Proulx	
August 13, 2020	12:39 PM	Haul Road	Caribou	1	Nancy Duquet-Harvey	
August 13, 2020	12:39 PM	Haul Road	Caribou	2	Nancy Duquet-Harvey	
August 13, 2020	12:39 PM	Haul Road	Caribou	1	Nancy Duquet-Harvey	
August 13, 2020	6:03 PM	AWAR	Caribou	2	Katelyn Proulx	
August 13, 2020	6:03 PM	AWAR	Caribou	1	Katelyn Proulx	
August 13, 2020	6:03 PM	AWAR	Caribou	7	Katelyn Proulx	
August 13, 2020	6:03 PM	AWAR	Caribou	4	Katelyn Proulx	
August 13, 2020	6:03 PM	AWAR	Caribou	21	Katelyn Proulx	
August 13, 2020	6:03 PM	AWAR	Caribou	17	Katelyn Proulx	
August 13, 2020	12:39 PM	Haul Road	Musk Ox	1	Nancy Duquet-Harvey	
August 13, 2020	12:39 PM	Haul Road	Musk Ox	1	Nancy Duquet-Harvey	
August 13, 2020	6:03 PM	AWAR	Musk Ox	5	Katelyn Proulx	
August 13, 2020	12:39 PM	Haul Road	Canada Goose	8	Nancy Duquet-Harvey	
August 13, 2020	12:39 PM	Haul Road	Sandhill Crane	2	Nancy Duquet-Harvey	
August 13, 2020	12:39 PM	Haul Road	Canada Goose	15	Nancy Duquet-Harvey	
August 13, 2020	12:39 PM	Haul Road	Canada Goose	60	Nancy Duquet-Harvey	
August 13, 2020	12:39 PM	Haul Road	Canada Goose	21	Nancy Duquet-Harvey	
August 13, 2020	6:03 PM	AWAR	Eagle species	1	Katelyn Proulx	
August 14, 2020	12:06 PM	AWAR	Arctic Fox	5	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Caribou	11	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Caribou	1	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Caribou	2	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Caribou	6	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Caribou	2	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Caribou	2	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	3:14 PM	Haul Road	Caribou	1	Kathleen Newberry	
August 14, 2020	3:14 PM	Haul Road	Caribou	1	Kathleen Newberry	
August 14, 2020	12:06 PM	AWAR	Musk Ox	5	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	3:14 PM	Haul Road	Musk Ox	1	Kathleen Newberry	
August 14, 2020	12:06 PM	AWAR	Canada goose	50	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Sandhill crane	2	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Sandhill Crane	2	Katelyn Proulx	Perle Dion-Trudel
August 14, 2020	12:06 PM	AWAR	Sandhill crane	8	Katelyn Proulx	Perle Dion-Trudel
August 16, 2020	12:03 PM	Haul Road	Caribou	2	Amy Lemay	Katelyn Proulx
August 16, 2020	12:03 PM	Haul Road	Musk Ox	1	Amy Lemay	Katelyn Proulx
August 16, 2020	12:03 PM	Haul Road	Musk Ox	1	Amy Lemay	Katelyn Proulx
August 16, 2020	12:03 PM	Haul Road	Musk Ox	5	Amy Lemay	Katelyn Proulx
August 16, 2020	12:03 PM	Haul Road	Musk Ox	1	Amy Lemay	Katelyn Proulx
August 16, 2020	12:03 PM	Haul Road	Musk Ox	1	Amy Lemay	Katelyn Proulx

Wildlife Observations						
Date	Time	Location	Wildlife Species	Quantity	Observer Name #1	Observer Name #2
August 17, 2020	11:47 AM	AWAR	Caribou	2	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	6	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	2	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	24	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	20	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	26	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	1	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	8	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Caribou	70	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Musk Ox	18	Katelyn Proulx	
August 17, 2020	11:47 AM	AWAR	Musk Ox	8	Katelyn Proulx	
August 18, 2020	4:35 PM	AWAR	Caribou	1	Cederic Godbout-Parent	
August 18, 2020	4:35 PM	AWAR	Caribou	5	Cederic Godbout-Parent	
August 18, 2020	4:35 PM	AWAR	Caribou	4	Cederic Godbout-Parent	
August 18, 2020	4:35 PM	AWAR	Caribou	3	Cederic Godbout-Parent	
August 18, 2020	4:35 PM	AWAR	Caribou	1	Cederic Godbout-Parent	
August 18, 2020	4:35 PM	AWAR	Caribou	34	Cederic Godbout-Parent	
August 18, 2020	4:35 PM	AWAR	Musk Ox	28	Cederic Godbout-Parent	
August 18, 2020	4:35 PM	AWAR	Musk Ox	12	Cederic Godbout-Parent	
August 19, 2020	9:58 AM	AWAR	Caribou	1	Cederic Godbout-Parent	
August 19, 2020	9:58 AM	AWAR	Caribou	3	Cederic Godbout-Parent	
August 19, 2020	9:58 AM	AWAR	Caribou	4	Cederic Godbout-Parent	
August 19, 2020	12:15 PM	Haul Road	Caribou	1	Kathleen Newberry	
August 19, 2020	12:15 PM	Haul Road	Caribou	3	Kathleen Newberry	
August 19, 2020	12:15 PM	Haul Road	Caribou	1	Kathleen Newberry	
August 19, 2020	12:15 PM	Haul Road	Caribou	1	Kathleen Newberry	
August 19, 2020	12:15 PM	Haul Road	Caribou	4	Kathleen Newberry	
August 19, 2020	12:15 PM	Haul Road	Caribou	6	Kathleen Newberry	
August 19, 2020	2:07 PM	AWAR	Caribou	5	Cederic Godbout-Parent	
August 19, 2020	2:07 PM	AWAR	Caribou	2	Cederic Godbout-Parent	
August 19, 2020	2:07 PM	AWAR	Caribou	2	Cederic Godbout-Parent	
August 19, 2020	9:58 AM	AWAR	Musk Ox	9	Cederic Godbout-Parent	
August 19, 2020	9:58 AM	AWAR	Musk Ox	16	Cederic Godbout-Parent	
August 19, 2020	9:58 AM	AWAR	Musk Ox	1	Cederic Godbout-Parent	
August 19, 2020	12:15 PM	Haul Road	Musk Ox	2	Kathleen Newberry	
August 19, 2020	2:07 PM	AWAR	Musk Ox	33	Cederic Godbout-Parent	
August 19, 2020	2:07 PM	AWAR	Musk Ox	5	Cederic Godbout-Parent	
August 19, 2020	2:07 PM	AWAR	Musk Ox	1	Cederic Godbout-Parent	
August 19, 2020	2:07 PM	AWAR	Musk Ox	12	Cederic Godbout-Parent	
August 19, 2020	2:07 PM	AWAR	Musk Ox	35	Cederic Godbout-Parent	
August 19, 2020	2:07 PM	AWAR	Musk Ox	6	Cederic Godbout-Parent	
August 19, 2020	9:58 AM	AWAR	Sandhill Crane	2	Cederic Godbout-Parent	
August 20, 2020	12:14 PM	Haul Road	Caribou	2	Kathleen Newberry	
August 20, 2020	12:14 PM	Haul Road	Caribou	1	Kathleen Newberry	
August 20, 2020	12:36 PM	AWAR	Caribou	8	Cederic Godbout-Parent	
August 20, 2020	12:36 PM	AWAR	Caribou	2	Cederic Godbout-Parent	
August 20, 2020	12:36 PM	AWAR	Caribou	21	Cederic Godbout-Parent	
August 20, 2020	12:36 PM	AWAR	Musk Ox	9	Cederic Godbout-Parent	
August 20, 2020	12:36 PM	AWAR	Musk Ox	9	Cederic Godbout-Parent	
August 20, 2020	12:36 PM	AWAR	Musk Ox	16	Cederic Godbout-Parent	
August 20, 2020	12:14 PM	Haul Road	Snow goose	30	Kathleen Newberry	
August 20, 2020	12:36 PM	AWAR	Peregrine Falcon	1	Cederic Godbout-Parent	
August 21, 2020	2:26 PM	Haul Road	Caribou	10	Kathleen Newberry	
August 21, 2020	2:26 PM	Haul Road	Caribou	3	Kathleen Newberry	
August 21, 2020	2:26 PM	Haul Road	Caribou	3	Kathleen Newberry	
August 21, 2020	2:26 PM	Haul Road	Musk Ox	14	Kathleen Newberry	
August 21, 2020	2:26 PM	Haul Road	Musk Ox	5	Kathleen Newberry	
August 21, 2020	2:26 PM	Haul Road	Sandhill crane	2	Kathleen Newberry	
August 22, 2020	1:30 PM	AWAR	Caribou	2	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	2	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	1	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	3	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	18	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	45	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	150	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	4	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	29	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	4	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	26	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Caribou	7	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Musk Ox	14	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Musk Ox	7	Cederic Godbout-Parent	
August 22, 2020	1:30 PM	AWAR	Musk Ox	3	Cederic Godbout-Parent	
August 23, 2020	12:06 PM	AWAR	Arctic Hare	1	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Caribou	11	Laurence Archambault	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
August 23, 2020	12:06 PM	AWAR	Caribou	6	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Caribou	1	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Caribou	2	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Caribou	4	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Caribou	2	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Caribou	2	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Musk Ox	11	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Musk Ox	12	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Musk Ox	4	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Canada goose	18	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Swan species	1	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Goose species	100	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	ough-Legged Hav	1	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Goose species	100	Laurence Archambault	
August 23, 2020	12:06 PM	AWAR	Sandhill Crane	2	Laurence Archambault	
August 24, 2020	3:36 PM	Haul Road	Caribou	1	Kathleen Newberry	
August 24, 2020	3:36 PM	Haul Road	Musk Ox	10	Kathleen Newberry	
August 24, 2020	3:36 PM	Haul Road	Musk Ox	10	Kathleen Newberry	
August 24, 2020	3:36 PM	Haul Road	Musk Ox	1	Kathleen Newberry	
August 24, 2020	4:55 PM	AWAR	Musk Ox	1	Cederic Godbout-Parent	
August 24, 2020	4:55 PM	AWAR	Musk Ox	19	Cederic Godbout-Parent	
August 24, 2020	4:55 PM	AWAR	Musk Ox	15	Cederic Godbout-Parent	
August 26, 2020	12:48 PM	Haul Road	Caribou	5	Felix Harvey	Tom Thompson
August 26, 2020	12:48 PM	Haul Road	Caribou	2	Felix Harvey	Tom Thompson
August 26, 2020	3:52 PM	AWAR	Caribou	6	Cederic Godbout-Parent	
August 26, 2020	3:52 PM	AWAR	Caribou	1	Cederic Godbout-Parent	
August 26, 2020	3:52 PM	AWAR	Caribou	6	Cederic Godbout-Parent	
August 26, 2020	3:52 PM	AWAR	Caribou	8	Cederic Godbout-Parent	
August 26, 2020	3:52 PM	AWAR	Caribou	4	Cederic Godbout-Parent	
August 26, 2020	4:11 PM	Haul Road	Caribou	1	Felix Harvey	
August 26, 2020	5:01 PM	Haul Road	Caribou	1	Felix Harvey	
August 26, 2020	12:48 PM	Haul Road	Musk Ox	2	Felix Harvey	Tom Thompson
August 26, 2020	3:52 PM	AWAR	Musk Ox	23	Cederic Godbout-Parent	
August 26, 2020	3:52 PM	AWAR	Musk Ox	5	Cederic Godbout-Parent	
August 26, 2020	12:48 PM	Haul Road	Snow Goose	150	Felix Harvey	Tom Thompson
August 27, 2020	1:26 PM	Haul Road	Caribou	1	Felix Harvey	
August 27, 2020	3:43 PM	AWAR	Caribou	3	Felix Harvey	
August 27, 2020	3:43 PM	AWAR	Caribou	25	Felix Harvey	
August 27, 2020	5:27 PM	AWAR	Musk Ox	0	Felix Harvey	
August 27, 2020	3:43 PM	AWAR	Sandhill Crane	2	Felix Harvey	
August 28, 2020	1:50 PM	AWAR	Arctic Fox	1	Felix Harvey	
August 28, 2020	1:50 PM	AWAR	Arctic Fox	1	Felix Harvey	
August 28, 2020	12:21 AM	Haul Road	Caribou	3	Felix Harvey	
August 28, 2020	12:39 PM	Haul Road	Caribou	2	Felix Harvey	
August 28, 2020	1:50 PM	AWAR	Caribou	1	Felix Harvey	
August 28, 2020	1:50 PM	AWAR	Caribou	5	Felix Harvey	
August 28, 2020	8:02 PM	Haul Road	Caribou	1	Felix Harvey	
August 28, 2020	12:21 AM	Haul Road	Musk Ox	27	Felix Harvey	
August 28, 2020	12:21 AM	Haul Road	Musk Ox	13	Felix Harvey	
August 28, 2020	1:14 PM	Haul Road	Musk Ox	0	Felix Harvey	
August 28, 2020	1:14 PM	Haul Road	Snow Goose	0	Felix Harvey	
August 28, 2020	1:50 PM	AWAR	Snow Goose	200	Felix Harvey	
August 29, 2020	2:05 PM	AWAR	Caribou	3	Felix Harvey	Perle Dion-Trudel
August 29, 2020	2:05 PM	AWAR	Caribou	3	Felix Harvey	Perle Dion-Trudel
August 29, 2020	4:11 PM	AWAR	Caribou	2	Felix Harvey	TP
August 29, 2020	6:48 PM	AWAR	Caribou	3	Felix Harvey	TP
August 29, 2020	7:48 PM	Haul Road	Caribou	2	Felix Harvey	
August 29, 2020	9:10 PM	Haul Road	Caribou	1	Felix Harvey	
August 29, 2020	4:57 PM	AWAR	Musk Ox	1	Felix Harvey	TP
August 29, 2020	7:34 PM	Haul Road	Musk Ox	10	Felix Harvey	
August 29, 2020	7:36 PM	Haul Road	Musk Ox	14	Felix Harvey	
August 29, 2020	7:41 PM	Haul Road	Musk Ox	123	Felix Harvey	
August 30, 2020	12:51 PM	Haul Road	Caribou	1	TP	Felix Harvey
August 30, 2020	2:50 PM	Haul Road	Caribou	4	TP	Felix Harvey
August 30, 2020	12:21 PM	Haul Road	Musk Ox	12	TP	Felix Harvey
August 30, 2020	12:51 PM	Haul Road	Musk Ox	1	TP	Felix Harvey
August 30, 2020	12:51 PM	Haul Road	Musk Ox	1	TP	Felix Harvey
August 30, 2020	12:51 PM	Haul Road	Musk Ox	3	TP	Felix Harvey
August 30, 2020	3:32 PM	Haul Road	Musk Ox	1	TP	Felix Harvey
SEPTEMBER 2020						
September 2, 2020	12:41 PM	Haul Road	Caribou	2	TP	
September 2, 2020	12:41 PM	Haul Road	Caribou	2	TP	
September 2, 2020	12:41 PM	Haul Road	Musk Ox	1	TP	
September 2, 2020	12:41 PM	Haul Road	Musk Ox	1	TP	
September 2, 2020	12:41 PM	Haul Road	Musk Ox	13	TP	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
September 3, 2020	8:02 PM	Haul Road	Caribou	2	Felix Harvey	
September 3, 2020	8:02 PM	Haul Road	Musk Ox	15	Felix Harvey	
September 4, 2020	3:19 PM	AWAR	Caribou	1	Felix Harvey	
September 4, 2020	3:19 PM	AWAR	Musk Ox	1	Felix Harvey	
September 4, 2020	3:19 PM	AWAR	Musk Ox	1	Felix Harvey	
September 4, 2020	3:19 PM	AWAR	Musk Ox	2	Felix Harvey	
September 4, 2020	3:19 PM	AWAR	Musk Ox	29	Felix Harvey	
September 4, 2020	3:19 PM	AWAR	Sandhill Crane	25	Felix Harvey	
September 11, 2020	11:57 AM	AWAR	Caribou	1	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	5	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	14	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	27	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	29	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	33	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	33	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	34	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	47	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	110	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	146	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	150	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Caribou	200	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Musk Ox	1	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Musk Ox	1	Nicolas Saucier	Isabelle Couture
September 11, 2020	11:57 AM	AWAR	Musk Ox	2	Nicolas Saucier	Isabelle Couture
September 12, 2020	3:37 PM	AWAR	Caribou	2	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	2	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	3	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	3	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	3	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	3	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	4	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	4	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	9	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	9	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	11	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	11	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	40	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	40	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	77	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Caribou	77	Spencer Knowles	Nicolas Saucier
September 12, 2020	8:43 PM	AWAR	Caribou	160	Nicolas Saucier	Spencer Knowles
September 12, 2020	3:37 PM	AWAR	Grey Wolf	1	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Grey Wolf	1	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Musk Ox	14	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Musk Ox	14	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Sand hill crane	2	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Sand hill crane	2	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Snow Goose	150	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Snow Goose	150	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Snow Goose	300	Spencer Knowles	Nicolas Saucier
September 12, 2020	3:37 PM	AWAR	Snow Goose	300	Spencer Knowles	Nicolas Saucier
September 13, 2020	12:17 PM	AWAR	Arctic Fox	1	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Arctic Hare	1	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	3	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	4	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	6	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	7	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	9	Isabelle Couture	Spencer Knowles
September 13, 2020	10:54 PM	AWAR	Caribou	10	Spencer Knowles	Isabelle couture
September 13, 2020	10:54 PM	AWAR	Caribou	11	Spencer Knowles	Isabelle couture
September 13, 2020	10:54 PM	AWAR	Caribou	14	Spencer Knowles	Isabelle couture
September 13, 2020	10:54 PM	AWAR	Caribou	18	Spencer Knowles	Isabelle couture
September 13, 2020	12:17 PM	AWAR	Caribou	27	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	30	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	33	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	38	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Caribou	47	Isabelle Couture	Spencer Knowles
September 13, 2020	10:54 PM	AWAR	Caribou	61	Spencer Knowles	Isabelle couture
September 13, 2020	10:54 PM	AWAR	Caribou	63	Spencer Knowles	Isabelle couture
September 13, 2020	10:54 PM	AWAR	Caribou	66	Spencer Knowles	Isabelle couture
September 13, 2020	10:54 PM	AWAR	Caribou	75	Spencer Knowles	Isabelle couture
September 13, 2020	10:54 PM	AWAR	Caribou	100	Spencer Knowles	Isabelle couture
September 13, 2020	12:17 PM	AWAR	Musk Ox	10	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Musk Ox	11	Isabelle Couture	Spencer Knowles
September 13, 2020	10:54 PM	AWAR	Musk Ox	11	Spencer Knowles	Isabelle couture

Wildlife Observations						
Date	Time	Location	Wildlife Species	Quantity	Observer Name #1	Observer Name #2
September 13, 2020	10:54 PM	AWAR	Musk Ox	61	Spencer Knowles	Isabelle couture
September 13, 2020	12:17 PM	AWAR	Sand hill crane	2	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Bald Eagle	2	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Sand hill crane	2	Isabelle Couture	Spencer Knowles
September 13, 2020	12:17 PM	AWAR	Snow Goose	600	Isabelle Couture	Spencer Knowles
September 14, 2020	2:35 PM	Haul Road	Caribou	1	Rowan Woodall	
September 14, 2020	2:35 PM	Haul Road	Caribou	1	Rowan Woodall	
September 14, 2020	2:35 PM	Haul Road	Caribou	3	Rowan Woodall	
September 14, 2020	2:35 PM	Haul Road	Caribou	3	Rowan Woodall	
September 14, 2020	2:35 PM	Haul Road	Caribou	4	Rowan Woodall	
September 14, 2020	2:35 PM	Haul Road	Caribou	4	Rowan Woodall	
September 14, 2020	1:24 PM	AWAR	Caribou	7	Spencer Knowles	Isabelle Couture
September 14, 2020	2:35 PM	Haul Road	Caribou	7	Rowan Woodall	
September 14, 2020	1:24 PM	AWAR	Caribou	8	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Caribou	8	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Caribou	11	Spencer Knowles	Isabelle Couture
September 14, 2020	8:48 PM	AWAR	Caribou	13	Spencer Knowles	Isabelle couture
September 14, 2020	1:24 PM	AWAR	Caribou	14	Spencer Knowles	Isabelle Couture
September 14, 2020	8:48 PM	AWAR	Caribou	15	Spencer Knowles	Isabelle couture
September 14, 2020	1:24 PM	AWAR	Caribou	20	Spencer Knowles	Isabelle Couture
September 14, 2020	8:48 PM	AWAR	Caribou	25	Spencer Knowles	Isabelle couture
September 14, 2020	8:48 PM	AWAR	Caribou	26	Spencer Knowles	Isabelle couture
September 14, 2020	8:48 PM	AWAR	Caribou	43	Spencer Knowles	Isabelle couture
September 14, 2020	1:24 PM	AWAR	Caribou	55	Spencer Knowles	Isabelle Couture
September 14, 2020	8:48 PM	AWAR	Caribou	70	Spencer Knowles	Isabelle couture
September 14, 2020	8:48 PM	AWAR	Caribou	70	Spencer Knowles	Isabelle couture
September 14, 2020	1:24 PM	AWAR	Caribou	71	Spencer Knowles	Isabelle Couture
September 14, 2020	8:48 PM	AWAR	Caribou	80	Spencer Knowles	Isabelle couture
September 14, 2020	8:48 PM	AWAR	Caribou	110	Spencer Knowles	Isabelle couture
September 14, 2020	1:24 PM	AWAR	Caribou	189	Spencer Knowles	Isabelle Couture
September 14, 2020	8:48 PM	AWAR	Caribou	300	Spencer Knowles	Isabelle couture
September 14, 2020	1:24 PM	AWAR	Caribou	375	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Caribou	400	Spencer Knowles	Isabelle Couture
September 14, 2020	8:48 PM	AWAR	Caribou	400	Spencer Knowles	Isabelle couture
September 14, 2020	8:48 PM	AWAR	Caribou	500	Spencer Knowles	Isabelle couture
September 14, 2020	8:48 PM	AWAR	Caribou	500	Spencer Knowles	Isabelle couture
September 14, 2020	1:24 PM	AWAR	Caribou	800	Spencer Knowles	Isabelle Couture
September 14, 2020	2:35 PM	Haul Road	Musk Ox	1	Rowan Woodall	
September 14, 2020	8:48 PM	AWAR	Musk Ox	1	Spencer Knowles	Isabelle couture
September 14, 2020	2:35 PM	Haul Road	Musk Ox	8	Rowan Woodall	
September 14, 2020	1:24 PM	AWAR	Musk Ox	11	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Musk Ox	14	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Musk Ox	60	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Bald Eagle	2	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Sand hill crane	3	Spencer Knowles	Isabelle Couture
September 14, 2020	1:24 PM	AWAR	Peregrine Falcon	2	Spencer Knowles	Isabelle Couture
September 14, 2020	2:35 PM	Haul Road	ctic Ground Squir	1	Rowan Woodall	
September 14, 2020	2:35 PM	Haul Road	ctic Ground Squir	1	Rowan Woodall	
September 15, 2020	3:26 PM	AWAR	Caribou	14	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Caribou	19	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Caribou	34	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Caribou	38	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Caribou	93	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Caribou	180	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Caribou	750	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Musk Ox	2	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Musk Ox	8	Nicolas Saucier	
September 15, 2020	3:26 PM	AWAR	Bald eagle	1	Nicolas Saucier	
September 16, 2020	10:24 AM	AWAR	Caribou	2	Spencer Knowles	
September 16, 2020	2:38 PM	AWAR	Caribou	6	Spencer Knowles	
September 16, 2020	2:38 PM	AWAR	Caribou	10	Spencer Knowles	
September 16, 2020	10:24 AM	AWAR	Caribou	11	Spencer Knowles	
September 16, 2020	2:38 PM	AWAR	Caribou	14	Spencer Knowles	
September 16, 2020	10:24 AM	AWAR	Caribou	15	Spencer Knowles	
September 16, 2020	10:24 AM	AWAR	Caribou	21	Spencer Knowles	
September 16, 2020	10:24 AM	AWAR	Caribou	38	Spencer Knowles	
September 16, 2020	10:24 AM	AWAR	Caribou	55	Spencer Knowles	
September 16, 2020	10:24 AM	AWAR	Caribou	150	Spencer Knowles	
September 16, 2020	2:38 PM	AWAR	Caribou	175	Spencer Knowles	
September 16, 2020	2:38 PM	AWAR	Canada goose	14	Spencer Knowles	
September 16, 2020	2:38 PM	AWAR	Peregrine Falcon	3	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	8	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	14	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	27	Spencer Knowles	
September 17, 2020	7:42 PM	AWAR	Caribou	27	Spencer Knowles	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
September 17, 2020	7:42 PM	AWAR	Caribou	37	Spencer Knowles	
September 17, 2020	7:42 PM	AWAR	Caribou	52	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	62	Spencer Knowles	
September 17, 2020	7:42 PM	AWAR	Caribou	80	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	120	Spencer Knowles	
September 17, 2020	7:42 PM	AWAR	Caribou	150	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	300	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	300	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	350	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	400	Spencer Knowles	
September 17, 2020	7:42 PM	AWAR	Caribou	400	Spencer Knowles	
September 17, 2020	10:15 AM	AWAR	Caribou	1000	Spencer Knowles	
September 17, 2020	7:42 PM	AWAR	Musk Ox	15	Spencer Knowles	
September 18, 2020	10:19 AM	AWAR	Caribou	5	Spencer Knowles	
September 18, 2020	10:19 AM	AWAR	Caribou	13	Spencer Knowles	
September 18, 2020	10:19 AM	AWAR	Caribou	14	Spencer Knowles	
September 18, 2020	5:39 PM	AWAR	Caribou	14	Spencer Knowles	
September 18, 2020	5:39 PM	AWAR	Caribou	29	Spencer Knowles	
September 18, 2020	5:39 PM	AWAR	Caribou	35	Spencer Knowles	
September 18, 2020	5:39 PM	AWAR	Caribou	39	Spencer Knowles	
September 18, 2020	10:19 AM	AWAR	Caribou	150	Spencer Knowles	
September 18, 2020	10:19 AM	AWAR	Caribou	175	Spencer Knowles	
September 18, 2020	10:19 AM	AWAR	Caribou	250	Spencer Knowles	
September 18, 2020	5:39 PM	AWAR	Caribou	400	Spencer Knowles	
September 18, 2020	5:39 PM	AWAR	Caribou	1500	Spencer Knowles	
September 19, 2020	12:11 PM	Haul Road	Caribou	3	Laurence Archambault	
September 19, 2020	12:11 PM	Haul Road	Caribou	4	Laurence Archambault	
September 19, 2020	5:40 PM	AWAR	Caribou	15	Spencer Knowles	
September 19, 2020	10:11 AM	AWAR	Caribou	17	Spencer Knowles	
September 19, 2020	10:11 AM	AWAR	Caribou	27	Spencer Knowles	
September 19, 2020	10:11 AM	AWAR	Caribou	48	Spencer Knowles	
September 19, 2020	10:11 AM	AWAR	Caribou	55	Spencer Knowles	
September 19, 2020	12:11 PM	Haul Road	Musk Ox	1	Laurence Archambault	
September 19, 2020	5:40 PM	AWAR	Musk Ox	8	Spencer Knowles	
September 19, 2020	5:40 PM	AWAR	Musk Ox	15	Spencer Knowles	
September 19, 2020	5:40 PM	AWAR	Musk Ox	23	Spencer Knowles	
September 19, 2020	12:11 PM	Haul Road	Musk Ox	30	Laurence Archambault	
September 19, 2020	10:11 AM	AWAR	Peregrine Falcon	1	Spencer Knowles	
September 20, 2020	4:07 PM	AWAR	Caribou	5	Spencer Knowles	
September 20, 2020	4:07 PM	AWAR	Caribou	9	Spencer Knowles	
September 20, 2020	10:04 AM	AWAR	Caribou	16	Spencer Knowles	
September 20, 2020	4:07 PM	AWAR	Caribou	28	Spencer Knowles	
September 20, 2020	10:04 AM	AWAR	Caribou	31	Spencer Knowles	
September 20, 2020	10:04 AM	AWAR	Caribou	40	Spencer Knowles	
September 21, 2020	1:46 PM	AWAR	Caribou	5	Spencer Knowles	
September 21, 2020	1:46 PM	AWAR	Caribou	11	Spencer Knowles	
September 21, 2020	1:46 PM	AWAR	Musk Ox	25	Spencer Knowles	
September 22, 2020	12:48 PM	AWAR	Caribou	2	Spencer Knowles	
September 22, 2020	3:39 PM	AWAR	Caribou	3	Spencer Knowles	
September 22, 2020	12:48 PM	AWAR	Caribou	5	Spencer Knowles	
September 22, 2020	3:39 PM	AWAR	Caribou	13	Spencer Knowles	
September 22, 2020	12:48 PM	AWAR	Caribou	19	Spencer Knowles	
September 22, 2020	3:39 PM	AWAR	Caribou	22	Spencer Knowles	
September 22, 2020	12:48 PM	AWAR	Caribou	24	Spencer Knowles	
September 22, 2020	3:39 PM	AWAR	Musk Ox	10	Spencer Knowles	
September 22, 2020	12:48 PM	AWAR	Musk Ox	21	Spencer Knowles	
September 22, 2020	12:48 PM	AWAR	Musk Ox	27	Spencer Knowles	
September 22, 2020	12:48 PM	AWAR	ough-Legged Hav	1	Spencer Knowles	
September 23, 2020	1:53 PM	AWAR	Caribou	3	Louis Dubois	
September 23, 2020	1:53 PM	AWAR	Musk Ox	22	Louis Dubois	
September 23, 2020	1:53 PM	AWAR	Musk Ox	27	Louis Dubois	
September 24, 2020	1:09 PM	AWAR	Caribou	2	Spencer Knowles	
September 24, 2020	1:09 PM	AWAR	Caribou	7	Spencer Knowles	
September 24, 2020	1:09 PM	AWAR	Musk Ox	1	Spencer Knowles	
September 24, 2020	1:09 PM	AWAR	Musk Ox	24	Spencer Knowles	
September 26, 2020	1:55 PM	AWAR	Arctic Fox	1	Perle Dion-Trudel	
September 26, 2020	1:55 PM	AWAR	Arctic Fox	1	Perle Dion-Trudel	
September 26, 2020	5:51 PM	Haul Road	Caribou	1	Laurence Archambault	Samuel Tapp
September 26, 2020	1:55 PM	AWAR	Musk Ox	1	Perle Dion-Trudel	
September 26, 2020	5:51 PM	Haul Road	Musk Ox	7	Laurence Archambault	Samuel Tapp
September 29, 2020	2:46 PM	AWAR	Caribou	29	Perle Dion-Trudel	
OCTOBER 2020						
October 2, 2020	5:23 PM	AWAR	Arctic Hare	1	Simon CB	
October 2, 2020	1:33 PM	Haul Road	Caribou	1	Perle Dion-Trudel	
October 2, 2020	1:33 PM	Haul Road	Caribou	2	Perle Dion-Trudel	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
October 2, 2020	5:23 PM	AWAR	Musk Ox	3	Simon CB	
October 2, 2020	1:33 PM	Haul Road	Musk Ox	13	Perle Dion-Trudel	
October 2, 2020	5:23 PM	AWAR	Ptarmigan	4	Simon CB	
October 2, 2020	5:23 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 2, 2020	5:23 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 2, 2020	5:23 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 2, 2020	5:23 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 2, 2020	5:23 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 5, 2020	3:17 PM	Haul Road	ctic Ground Squir	1	Simon CB	
October 6, 2020	1:42 PM	AWAR	Arctic Hare	1	Simon CB	
October 6, 2020	1:42 PM	AWAR	Arctic Hare	1	Simon CB	
October 6, 2020	1:42 PM	AWAR	Arctic Hare	1	Simon CB	
October 6, 2020	1:42 PM	AWAR	Arctic Hare	3	Simon CB	
October 6, 2020	1:42 PM	AWAR	Arctic Hare	4	Simon CB	
October 6, 2020	1:42 PM	AWAR	Caribou	40	Simon CB	
October 6, 2020	1:42 PM	AWAR	Musk Ox	4	Simon CB	
October 6, 2020	1:42 PM	AWAR	Musk Ox	4	Simon CB	
October 6, 2020	1:42 PM	AWAR	Musk Ox	25	Simon CB	
October 6, 2020	1:42 PM	AWAR	Ptarmigan	18	Simon CB	
October 6, 2020	1:42 PM	AWAR	Ptarmigan	20	Simon CB	
October 6, 2020	1:42 PM	AWAR	Ptarmigan	38	Simon CB	
October 6, 2020	1:42 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 6, 2020	1:42 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 6, 2020	1:42 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 6, 2020	1:42 PM	AWAR	ctic Ground Squir	1	Simon CB	
October 9, 2020	2:07 PM	AWAR	Musk Ox	2	Nicolas Saucier	
October 10, 2020	8:02 PM	Haul Road	Arctic Fox	1	Spencer Knowles	
October 10, 2020	8:02 PM	Haul Road	Musk Ox	9	Spencer Knowles	
October 16, 2020	1:27 PM	AWAR	Musk Ox	4	Louis Dubois	
October 23, 2020	2:25 PM	Haul Road	Musk Ox	2	Michael Schumacher	
October 23, 2020	8:13 PM	AWAR	Musk Ox	17	Michael Schumacher	
October 24, 2020	7:40 PM	Haul Road	Arctic Fox	1	Michael Schumacher	Laurence Archambault
October 24, 2020	2:12 PM	Haul Road	Caribou	2	Michael Schumacher	
October 24, 2020	2:12 PM	Haul Road	Musk Ox	2	Michael Schumacher	
October 25, 2020	2:04 PM	AWAR	Caribou	11	Laurence Archambault	
October 25, 2020	2:04 PM	AWAR	Caribou	2000	Laurence Archambault	
October 25, 2020	5:18 PM	Haul Road	Grey Wolf	3	Michael Schumacher	
October 25, 2020	1:50 PM	Haul Road	Musk Ox	2	Michael Schumacher	
October 26, 2020	3:23 PM	AWAR	Caribou	1	Tom Thompson	
October 26, 2020	3:23 PM	AWAR	Caribou	3	Tom Thompson	
October 26, 2020	3:23 PM	AWAR	Caribou	4	Tom Thompson	
October 26, 2020	6:30 PM	Haul Road	Musk Ox	2	Michael Schumacher	
October 26, 2020	6:30 PM	Haul Road	Wolverine	1	Michael Schumacher	
October 27, 2020	5:39 PM	AWAR	Caribou	3	Michael Schumacher	
October 27, 2020	2:15 PM	AWAR	Caribou	11	Michael Schumacher	
October 27, 2020	2:15 PM	AWAR	Musk Ox	11	Michael Schumacher	
October 29, 2020	2:15 PM	Haul Road	Arctic Fox	1	Michael Schumacher	
October 29, 2020	2:35 PM	AWAR	Musk Ox	1	I.Couture	
October 29, 2020	5:58 PM	Haul Road	Musk Ox	1	Michael Schumacher	
October 29, 2020	2:15 PM	Haul Road	Musk Ox	2	Michael Schumacher	
October 29, 2020	2:35 PM	AWAR	Musk Ox	12	I.Couture	
October 30, 2020	7:04 PM	AWAR	Arctic Fox	1	Michael Schumacher	
October 30, 2020	7:04 PM	AWAR	Caribou	15	Michael Schumacher	
October 30, 2020	7:04 PM	AWAR	Caribou	16	Michael Schumacher	
October 30, 2020	2:10 PM	AWAR	Caribou	29	Michael Schumacher	
October 30, 2020	7:04 PM	AWAR	Caribou	270	Michael Schumacher	
October 30, 2020	2:10 PM	AWAR	Caribou	550	Michael Schumacher	
October 30, 2020	2:10 PM	AWAR	Caribou	570	Michael Schumacher	
October 30, 2020	2:10 PM	AWAR	Caribou	600	Michael Schumacher	
October 30, 2020	2:10 PM	AWAR	Caribou	800	Michael Schumacher	
October 30, 2020	2:10 PM	AWAR	Musk Ox	6	Michael Schumacher	
October 30, 2020	2:10 PM	AWAR	Musk Ox	12	Michael Schumacher	
October 30, 2020	7:04 PM	AWAR	Musk Ox	21	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	1	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	4	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	4	Michael Schumacher	
October 31, 2020	7:42 PM	AWAR	Caribou	57	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	140	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	310	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	350	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	497	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Caribou	710	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Musk Ox	1	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Musk Ox	6	Michael Schumacher	
October 31, 2020	7:42 PM	AWAR	Musk Ox	13	Michael Schumacher	
October 31, 2020	1:58 PM	AWAR	Musk Ox	30	Michael Schumacher	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
NOVEMBER 2020						
November 1, 2020	2:00 PM	AWAR	Caribou	1	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Caribou	27	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Caribou	47	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Caribou	170	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Caribou	220	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Caribou	240	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Caribou	1120	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Musk Ox	2	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Musk Ox	13	Michael Schumacher	
November 1, 2020	2:00 PM	AWAR	Musk Ox	66	Michael Schumacher	
November 2, 2020	1:30 PM	AWAR	Caribou	70	Eric Haley	
November 2, 2020	1:30 PM	AWAR	Caribou	92	Eric Haley	
November 2, 2020	1:30 PM	AWAR	Common Raven	2	Eric Haley	
November 2, 2020	1:30 PM	AWAR	Musk Ox	18	Eric Haley	
November 3, 2020	1:18 PM	AWAR	Musk Ox	27	I.Couture	
November 3, 2020	1:18 PM	AWAR	Musk Ox	67	I.Couture	
November 6, 2020	12:52 PM	AWAR	Caribou	1	Katelyn Proulx	
November 6, 2020	12:52 PM	AWAR	Caribou	25	Katelyn Proulx	
November 6, 2020	12:52 PM	AWAR	Caribou	75	Katelyn Proulx	
November 6, 2020	12:52 PM	AWAR	Musk Ox	3	Katelyn Proulx	
November 6, 2020	12:52 PM	AWAR	Musk Ox	24	Katelyn Proulx	
November 6, 2020	12:52 PM	AWAR	Ptarmigan	8	Katelyn Proulx	
November 7, 2020	2:27 PM	AWAR	Caribou	8	Spencer Knowles	Katelyn Proulx
November 7, 2020	2:27 PM	AWAR	Grey Wolf	1	Spencer Knowles	Katelyn Proulx
November 7, 2020	2:27 PM	AWAR	Musk Ox	1	Spencer Knowles	Katelyn Proulx
November 7, 2020	2:27 PM	AWAR	Musk Ox	1	Spencer Knowles	Katelyn Proulx
November 7, 2020	2:27 PM	AWAR	Musk Ox	3	Spencer Knowles	Katelyn Proulx
November 7, 2020	2:27 PM	AWAR	Ptarmigan	30	Spencer Knowles	Katelyn Proulx
November 9, 2020	1:44 PM	AWAR	Caribou	21	Spencer Knowles	
November 9, 2020	1:44 PM	AWAR	Caribou	52	Spencer Knowles	
November 11, 2020	2:48 PM	Haul Road	Musk Ox	4	Spencer Knowles	
November 11, 2020	2:48 PM	Haul Road	Musk Ox	65	Spencer Knowles	
November 12, 2020	1:26 PM	Haul Road	Musk Ox	4	Spencer Knowles	Nicolas Saucier
November 12, 2020	1:26 PM	Haul Road	Musk Ox	12	Spencer Knowles	Nicolas Saucier
November 14, 2020	6:21 PM	Haul Road	Musk Ox	4	Spencer Knowles	
November 14, 2020	3:10 PM	Haul Road	Musk Ox	13	Spencer Knowles	
November 16, 2020	6:53 PM	Haul Road	Arctic Fox	1	Spencer Knowles	Tom Thomson
November 16, 2020	6:53 PM	Haul Road	Arctic Fox	1	Spencer Knowles	Tom Thomson
November 17, 2020	3:35 PM	AWAR	Caribou	5	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	6	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	6	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	10	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	10	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	11	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	19	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	33	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	48	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	69	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	150	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	150	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	200	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	200	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Caribou	300	Louis Dubois	
November 17, 2020	3:35 PM	AWAR	Musk Ox	7	Louis Dubois	
November 18, 2020	2:32 PM	AWAR	Arctic Fox	1	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	12	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	24	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	27	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	79	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	82	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	85	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	149	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	400	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	700	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Caribou	1000	Spencer Knowles	
November 18, 2020	2:32 PM	AWAR	Musk Ox	5	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	11	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	12	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	21	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	39	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	48	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	53	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	73	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	120	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Caribou	400	Spencer Knowles	

Wildlife Observations						
Date	**Time**	**Location**	**Wildlife Species**	**Quantity**	**Observer Name #1**	**Observer Name #2**
November 19, 2020	2:31 PM	AWAR	Caribou	700	Spencer Knowles	
November 19, 2020	2:31 PM	AWAR	Musk Ox	24	Spencer Knowles	
November 20, 2020	2:51 PM	AWAR	Caribou	59	Spencer Knowles	
November 20, 2020	2:51 PM	AWAR	Caribou	60	Spencer Knowles	
November 20, 2020	2:51 PM	AWAR	Caribou	247	Spencer Knowles	
November 21, 2020	3:11 PM	Haul Road	Caribou	15	Tom Thompson	Samuel Tapp
November 21, 2020	7:21 PM	AWAR	Caribou	15	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	23	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	25	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	25	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	30	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	50	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	50	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	100	Tom Thompson	
November 21, 2020	7:21 PM	AWAR	Caribou	150	Tom Thompson	
November 21, 2020	3:11 PM	Haul Road	Musk Ox	2	Tom Thompson	Samuel Tapp
November 21, 2020	3:11 PM	Haul Road	Musk Ox	2	Tom Thompson	Samuel Tapp
November 21, 2020	3:11 PM	Haul Road	Musk Ox	4	Tom Thompson	Samuel Tapp
November 22, 2020	3:19 PM	AWAR	Caribou	20	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	20	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	23	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	26	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	27	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	33	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	42	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	74	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Caribou	84	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Musk Ox	3	Louis Dubois	
November 22, 2020	3:19 PM	AWAR	Musk Ox	19	Louis Dubois	
November 23, 2020	4:37 PM	AWAR	Caribou	20	Tom Thompson	
November 23, 2020	4:37 PM	AWAR	Caribou	80	Tom Thompson	
November 23, 2020	4:37 PM	AWAR	Caribou	100	Tom Thompson	
November 24, 2020	4:04 PM	Haul Road	Caribou	15	Laurence Archambault	
November 24, 2020	4:04 PM	Haul Road	Caribou	31	Laurence Archambault	
November 24, 2020	4:04 PM	Haul Road	Musk Ox	4	Laurence Archambault	
November 26, 2020	6:44 PM	AWAR	Caribou	3	Isabelle Couture	
November 26, 2020	3:22 PM	AWAR	Caribou	14	Isabelle Couture	
November 26, 2020	6:44 PM	AWAR	Caribou	31	Isabelle Couture	
November 26, 2020	3:22 PM	AWAR	Musk Ox	21	Isabelle Couture	
DECEMBER 2020						
December 4, 2020	6:17 PM	AWAR	Caribou	7	Nicolas Saucier	
December 5, 2020	5:58 PM	Haul Road	Caribou	2	Fanny Laporte	
December 5, 2020	5:58 PM	Haul Road	Musk Ox	45	Fanny Laporte	
December 11, 2020	3:13 PM	AWAR	Musk Ox	2	Spencer Knowles	
December 11, 2020	7:36 PM	Haul Road	Musk Ox	46	Laurence Archambault	
December 26, 2020	3:38 PM	Amaruq	Caribou	10	Samuel Tapp	
December 26, 2020	4:40 PM	AWAR	Ptarmigan	2	Isabelle Couture	

APPENDIX B

Tolerant Caribou Observations

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
03 April	am	99	6	Grazing	East	100m	West	
	am	97	60	Grazing	East	200m		
	am	91	60	Walking	East	100m	West	
	am	68	60	Grazing		600m	South	
	pm	56	2	Walking	West	200m	South	
	pm	30	50	Walking	West	200m	South	
	pm	44	22	Walking		200m	West	
	pm	69	58	Walking		500m	South	
	pm	71	26	Grazing	West	500m	South	
	pm	72	54	Grazing	West	300m	South	
	pm	81		Grazing	West	300m	Na	
	pm	86	12	Grazing	West	300m	Na	
06 April	am	103	8	Walking	West		South east	
	am	102	4	Walking	West	250m	South west	
	am	96	23	Grazing	West	700m	West	
	am	93	29	Walking	West	250m	North east	
	am	88	4	Walking	West	800m	North west	
	am	79	29	Grazing	West	350m	Na	
	am	61	41	Grazing	West	450m	South west	
	am	53	100	Grazing	West	800m	North west	
	am	46	130	Crossing		50m	East	
	am	26	6	Grazing	West	1000m		

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
07 April	pm	97	7	Walking	West	400m	South west	
	pm	92	20	Walking	West	150m	North west	
	pm	90	24	Walking	West	700m	North west	
	pm	83	15	Walking	West	1000m	North west	
	pm	82	26	Walking	West	350m	West	
	pm	86	80	Walking	West	800m	North west	
	pm	70	50	Grazing	East	700m	Na	
	pm	56	250	Grazing	West	150m	Na	
	pm	55	90	Crossing the Road	East		East	
	pm	53	70	Grazing	West	800m	West	
	pm	52	87	Walking	West	350m	North west	
08 April	am	105	21	Grazing	West	400m	Na	
	am	84	44	Grazing	West	250m	North	
	am	54	31	Resting	West	200m	Na	
	am	53	87	Walking	West	400m	North	
	am	52	39	Walking	West	100m	North	
	am	50	28	Walking	West	100m	North	
	am	49	76	Grazing	West	100m	Na	
	am	45	77	Walking	West	250m	South	
	am	40	68	Walking	West	300m	North	
	pm	92	250	Walking	West	300m	North	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
09 April	am	104	70	Grazing	West	250m	Na	
	am	101	80	Grazing	West	500m	Na	
	am	97	20	Grazing	West	500m	Na	
	am	97	20	Grazing	East	500m	Na	
	am	92	20	Grazing	West	250m	Na	
	am	86	27	Grazing	West	600m	Na	
	am	46	34	Grazing	West	150m	East	
	am	45	23	Grazing	West	150m	South east	
	pm	11	60	Resting	West	800m	Na	Hunters near by
	pm	23	21	Walking	West	800m	North west	
	pm	25	24	Walking	West	600m	South west	
10 April	am	99	30	Grazing	West	350m	Na	
	am	99	30	Standing	East	600m	Na	
	am	98	50	Walking	West	800m	South west	
	am	87	100	Grazing	West	500m	North west	
	am	86	120	Grazing	West	350m	North west	
	am	85	80	Walking	West	450m	North west	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
11 April	am	100	15	Grazing	East	150m	Na	
	am	97	60	Walking	West	400m	West	
	am	90	80	Grazing	West	400m	Na	
	am	88	200	Grazing	West	600m	Na	
	am	83	90	Grazing	West	300m	Na	
	am	80	60	Walking	West	400m	South west	
	am	79	60	Grazing	West	450m	Na	
	am	77	30	Grazing	West	500m	Na	
	am	72	30	Grazing	West	800m	Na	
	am	68	60	Grazing	West	400m	Na	
	am	59	60	Walking	West	250m	North west	
	am	37	20	Grazing	West	1000m	Na	
	am	29	12	Grazing	West	800m	Na	
	pm	46	15	Standing	West	1000m	Na	
	pm	52	80	Resting	West	400m	Na	
	pm	53	20	Grazing	West	500m	Na	
	pm	71	80	Resting	West	1000m	Na	
	pm	83	60	Grazing	West	400m	Na	
	pm	85	15	Grazing	East	200m	Na	
	pm	86	50	Grazing	West	350m	Na	
	pm	100	20	Standing	East	200m	Na	
	pm	100	80	Grazing	West	400m	Na	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
13 April	pm	104	32	Grazing	East	100m	Na	
	pm	103	10	Grazing	East	250m	Na	
	pm	97	25	Walking	West	600m	North	
	pm	90	50	Grazing	West	1000m	Na	
	pm	89	20	Walking	West	350m	Na	
	pm	69	25	Grazing	West	350m	Na	
	pm	68	30	Walking	West	300m	West	
	pm	64	50	Standing	West	600m	West	
	pm	63	12	Grazing	West	500m	Na	
	pm	58	20	Crossing	West		East	
	pm	54	50	Crossing	West		East	
14 April	pm	102	14	Resting	West	100m	Na	
	pm	95	15	Resting	West	1000m	Na	
		85	12	Walking	West	50m	South east	
15 April	am	104	5	Grazing	East	300m	Na	
	am	102	12	Grazing	East	100m	Na	
	am	91	10	Grazing	East	300m	Na	
	am	85	15	Grazing	West	350m	Na	
	am	83	6	Walking	West	100m	West	
	am	57	2	Resting	West	50m	Na	
	pm	66	16	Walking	West	250m	South east	
	pm	60	45	Walking	West	600m	West	
	pm	78	19	Grazing	West	250m	West	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
16 April	am	100	20	Walking	East	600m	East	
	am	83	40	Walking	West	1000m	South west	
	am	69	60	Walking	West	600m	South west	
	pm	63	50	Grazing	West	300m	West	
	pm	67	20	Grazing	West	150m	West	
	pm	69	70	Grazing	West	600m	East	
	pm	79	15	Grazing	West	600m	West	
17 April	am	78	50	Walking	West	150m	South	
	am	65	90	Grazing	West	400m	Na	
	am	52	40	Walking	West	350m	South west	
19 April	am	43	70	Walking	West	100m	South east	
20 April	am	101	12	Grazing	West	400m	Na	
	am	86	12	Grazing	West	600m	Na	
	am	85	70	Grazing	West	150m	Na	
	am	83	42	Grazing	West	600m	Na	
	am	62	22	Crossing	Na	na	East	
	am	58	21	Resting	West	1000m	Na	
	am	18	14	Running	West	100m	South west	Hunters pursuing
	pm	50	20	Grazing	West	300m	Na	
	pm	64	56	Grazing	West	1000m	Na	
	pm	106	15	Grazing	East	250m	East	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
21 April	am	91	35	Walking	West	300m	South east	
	am	90	20	Walking	West	300m	South east	
	am	87	150	Grazing	West	450m	Na	
	am	76	30	Grazing	West	1000m	Na	
	am	60	56	Grazing	West	400m	Na	
	am	55	20	Grazing	West	200m	Na	
	pm	61	123	Grazing	West	1000m	South east	
	pm	63	54	Grazing	West	350m	South east	
	pm	84	300	Crossing	West	200m		
	pm	106	18	Grazing	West	250m	East	
22 April	am	101	10	Grazing	West	500m	Na	
	am	98	35	Grazing	West	400m	Na	
	am	94	20	Grazing	West	350m	Na	
	am	89	150	Grazing	West	150m	Na	
	am	86	16	Grazing	West	150m	Na	
	am	78	100	Walking	West	500m	South	
	am	77	70	Walking	West	25m	South west	
	am	76	25	Grazing	West	500m	Na	
	am	70	25	Grazing	West	400m	West	
	am	69	170	Grazing	West	300m	Na	
	am	65	50	Grazing	West	400m	Na	
	am	64	40	Grazing	West	200m	Na	
	am	60	40	Grazing	West	200m	Na	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
	am	59	65	Grazing	West	200m	Na	
	am	58	20	Grazing	West	400m	Na	
	am	51	35	Grazing	West	300m	Na	
	am	48	16	Grazing	West	400m	Na	
	am	47	40	Grazing	West	600m	Na	
	am	42	52	Walking	West	150m	South east	
	am	32	35	Walking	West	200m	Walk	
	am	16	20	Walking	West	200m	South east	
23 April	am	104	6	Grazing	East	350m		
	am	100	100	Resting	West	200m	Na	
	am	96	50	Grazing	West	350m	Na	
	am	95	40	Grazing	West	350m	Na	
	am	91	20	Grazing	West	400m	Na	
	am	89	50	Grazing	West	400m	Na	
	am	82	15	Grazing	West	700m	Na	
	am	68	20	Grazing	West	300m	Na	
	am	66	35	Grazing	West	250m	Na	
	am	54	30	Grazing	West	500m	Na	
	am	48	25	Grazing	West	300m	Na	
	am	42	22	Grazing	West	200m	Na	
	am	37	60	Grazing	West	150m	Na	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
24 April	am	104	7	Resting	East	50m		
	am	93	8	Grazing	West	150m		
	am	91	10	Walking	West	500m		
	am	87			East			Crossing
	am	56	20	Grazing	West	300m		
	am	55	20	Grazing	East	400m		Crossing
	am	55	16	Grazing	West	150m		
	am	50	6	Crossing	West	na	East	Crossing
	am	41	47	Walking	West	300m		
	am	33	30	Grazing	West	500m	Na	
	am	30	61	Walking	West	100m		
	am	21	200	Crossing	West	na	East	Crossing
25 April		99	18	Grazing	West	800m	Na	
		95	20	Grazing	West	150m	Na	
		71	21	Grazing				
		57	25	Grazing	West	150m	Na	
		50	20	Walking	West	700m	East	
		39	20	Grazing	West	150m	Na	
		37	95	Walking	West	200m	South east	
		30	130	Walking	West	350m	South east	Approx. 40 Crossed to East side
		26	45	Resting	West	400m	West	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
26 April	am	96	10	Walking	West	300m	North	
	am	93	30	Walking	West	350m	North	
	am	89	500+	Walking	West	300m	North	
	am	86	19	Walking	East	1000m	North	
	am	82	37	Walking	West	1000m	North	
	am	79	40	Walking	West	1500m	North	
	am	68	16	Walking	West	800m	North	Snowmobile Tracks crossing
	am	51	34	Walking	West	700m	South	
	am	19	50	Walking	West	1000m	North	
	am	17	21	Walking	West	500m	North	
07 May		KM90	9	Grazing	West	N/A	N/a	
		KM95	5	Walking	East	500M	N/a	
08 May		KM98	7	Foraging	East	300m	N/a	
		KM86	19	Walking	West	200M	West	
		KM85	13	Foraging	West	100M	N/a	
		KM77	8	Walking	East	1000M	West	
		KM106	10	Crossing	West	0	East	
09 May		KM89	6	Na	W	100m	Na	
		KM83	15	Na	W	500m	Na	
		KM52	5	Na	E	300M	Na	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
10 May		KM90	3	Grazing	E	100m	Na	
		KM60	14	Walking	W	1KM	W	
		KM53	38	Walking	W	150M	South	
		KM16	14	Walking	W	300M	South	
		KM93	6	Walking	E	100M	E	
		KM108	23	Grazing	E	50M	Na	
11 May		KM105	5	Grazing	E	75m	Na	
		KM93	15	Na	W	700m	Na	
12 May		KM97	120	Grazing	W	800m	Na	
		KM53	15	Walking	W	800M	South	
		KM86	45	Walking	W	1300M	North	
		KM87	75	Grazing	W	900M	Na	
		KM99	8	Grazing	W	400M	Na	
		KM102	3	Grazing	E	75M	Na	
		KM95	48	Resting	W	500M	Na	
13 May		KM102	10	Grazing	E	50M	Na	
14 May		KM89	9	Grazing	E	50M	Na	
		KM64	4	Walking	W	300M	North	
		KM69	13	Walking	W	400M	Nw	
		KM86	9	Walking	W	250M	South	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
15 May		KM92	25	Sleeping	W	1KM	Na	
		KM90	7	Foraging	E	75M	Na	
		KM84	25	Walking	W	500M	South	
		KM86	11	Grazing	W	300M	Na	
		KM91	45	Walking	W	200M	South	
		KM100	15	Grazing	W	75M	Na	
		KM99	35	Walking	W	900M	South	
		KM102	20	Grazing	W	300M	Na	
		KM103	2	Grazing	W	200M	Na	
16 May		KM104	10	Sleeping	E	750M	Na	
		KM100	5	Crossing	W	NA	E	
		KM101	100	Sleeping	W	300m	Na	
		KM94	10	Sleeping	W	100m	Na	
		KM90	34	Walking	W	200m	N	
		KM85	7	Foraging	W	2000	Na	
		KM74	14	Walking	W	400m	N	
		KM93	40	Foraging	W	1000m	Na	
		KM94	40	Walking	W	200m	W	
		KM97	100+	Walking	W	500m	Nw	
		KM106	37	Sleeping	W	NA	Na	
		KM96	67	Grazing	W	500M	Na	
		KM93	12	Grazing	E	75M	Na	
		KM92	75	Grazing	W	800M	Na	

Table 1: Tolerant Caribou Observations along AWAR, 2020.

Date	am/pm	KM	Group Size	Behaviour	Side of Road	Distance from Road	Direction of Travel	Comments
		KM89	32	Walking	Na	1000M	South	
		KM86	2	Sleeping	E	400M	Na	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
31 March	pm	119-122	200		Crossing the road			Approximately 170 crossed from West to East
01 April	am	119-122	30		Grazing			
	am	162-165	60		Grazing			
	pm	162-165	400		Bedded Down			
	pm	155-165	200		Bedded Down			
	pm	122	50		Bedded Down			
02 April	am	165-155	200		Grazing			
	am	149	150					
	pm	115	60					
	pm	133	40					
	pm	149	80					
03 April	am	110	20					
	am	116	55	West	Walking		South	
	am	117	49	West	Walking		South	
	am	126	85	West	Walking		South	
	am	128	50	West	Grazing		Na	
	am	133	120	West	Resting		Na	
	am	136	14	West	Grazing		Na	
	am	150	125	West	Grazing		Na	
	am	154	24	West	Walking		West	
	am	158	55	West	Walking		South	
	am	160	25					
	am	163	9	West	Grazing		Na	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	am	166	30					
	am	176	10	West	Grazing		Na	
	pm	176	60	West	Grazing			
	pm	172	12	West	Walking		North	
	pm	135	4	East	Resting		Na	
	pm	131	57	West	Walking		South	
	pm	130	32	West	Walking		South	
	pm	128	12	West	Grazing		Na	
	pm	121	2	West	Grazing		Na	
	pm	120	2	East	Resting		Na	
	pm	116	48	West	Grazing		Na	
04 April	am	177	15	West	Walking		North	
	am	174	60					
	am	173	60		Walking		South	
	am	170	60	West	Grazing		Na	
06 April	am	174	12	West	Grazing	200m	Na	
	am	172	4	West	Grazing	800m	Na	
	am	167	20	West		800m	South	
	am	166	30	West		800m	South	
	am	133	15	West	Crossing	200m	East	
	am	133	5	East	Crossing		East	
	am	125	40	West	Running	400m		
	am	119	20	East	Crossing			
	am	119	20	West	Grazing			

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	am	110	30	West				
	pm	176	10	West		700m		
	pm	174	60			2000m		
	pm	167	20			300m		
	pm	165	25			400m		
07 April	am	110	300	West	Crossed	Na	East	
	am	116	10	West	Walking	1000m	South	
	am	117	20	West	Walking	600m	South	
	am	118	90	West	Grazing	800m	Na	
	am	125	20	West	Grazing	1000m	Na	
	am	160	15	West	Walking	700m	North	
	am	162-164	150	West	Grazing	700m	Na	
	am	166	10	West	Grazing	400m	Na	
	am	167	10	West	Grazing	700m	Na	
	am	168	10	West	Grazing	800m	Na	
	am	174	6	West	Grazing	500m	Na	
	am	176	60	West	Grazing	250m	Na	
	pm	178	60	West	Grazing	100m	Na	
	pm	175	50	West	Grazing	100m	Na	
	pm	164	150	West	Grazing	100m	South	Some small groups out to 1KM+
	pm	159	100	West	Grazing	200m	South	
	pm	158	150	West	Grazing	500m	South	
	pm	132	50	West	Crossing	Na	East	Crossed the road
	pm	125	17	West	Walking	1000m	South	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	pm	123	72	West	Grazing	700m	Na	
	pm	119	10	East	Grazing	50m	East	Crossed the road
	pm	118	35	West	Walking	800m	West	
08 April	am	178	200	West	Grazing			
	am	162	120	West	Grazing	200m	Na	
	am	161	15	West	Grazing	100m	Na	
	am	137	25	West	Grazing	1000m	Na	
	am	133	40	East	Grazing	1000m	Na	
	am	127	17	West	Grazing	1000m	Na	
	am	122	100	West	Walking	1000m	North	
	am	121	15	West	Grazing	1000m	North	
	am	120	16	West	Grazing	1000m	Na	
	am	116	16	West	Grazing	1000m	Na	
	am	111	160	West	Grazing	500m	Na	
	pm	169	100	West	Resting	1000m	Na	
	pm	163	200	West	Resting	1000m	Na	
	pm	158	100	West	Resting	2000m	Na	
	pm	137	39	West	Walking	1000m	North	
	pm	136	39	West	Grazing	1000m	Na	
	pm	125	30	West	Grazing	200m	North West	
	pm	110	15	East	Grazing	100m	Na	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
09 April	am	175	16	West	Walking	1000m	North	
	am	169	100	West	Resting	1000m	Na	
	am	160	50	West	Walking	500m	South West	
	am	160	100	West	Grazing	100m	Na	
	am	158	50	West	Grazing	1000m	Na	
	am	158	100	West	Grazing	2000m	Na	
	pm	177	27	West	Grazing	1000M	Na	
	pm	173	13	West	Grazing	2000m	Na	
	pm	170	26	West	Grazing	1000m	Na	
	pm	159	50	West	Grazing	5000m	Na	
	pm	133	42	West	Walking	1000m	North	
	pm	123	41	West	Walking	300m	North	
	pm	111	25	West	Grazing	300m	Na	
10 April	am	178	25	West	Walking	1000m	South	
	am	170	25	West	Running	500m	West	
	am	158	100	West	Resting	500m	Na	
	am	156	62	West	Resting	250m	Na	
	am	131	23	West	Grazing	1000m	Na	
	am	125	22	West	Walking	300m	South	
	am	119	47	West	Resting	400m	Na	
	am	111	40	West	Grazing	500m	South	
	am	110	65	West	Grazing	500m	Na	
	pm	167	23	West	Grazing	200m	Na	
	pm	164	23	Wet	Grazing	150m	North	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	pm	160	60	West	Resting	1000m	Na	
	pm	158	50	West	Grazing	250m	Na	
	pm	123	23	West	Walking	450m	North	
11 April	am	174	50	West	Walking	1500m	North	
	am	170	25	West	Running	500m	West	
	am	144	100	West	Grazing	500m	North	
	am	143	39	West	Running	700m	West	Spooked by Tractor Trailer
	am	140	40	West	Grazing	400m	Na	
	am	138	22	West	Grazing	1000m	Na	
	am	128	21	West	Grazing	500m	Na	
	am	126	72	West	Walking	700m	South	
	am	123	23	West	Walking	300m	South	
	am	120	65	West	Resting	600m	Na	
	am	117	35	West	Walking	500m	North	
	am	116	50	West	Grazing	1000m	Na	
	am	114	125	West	Grazing	400M	Grazing	
	am	112	120	West	Walking	250m	South	
13 April	am	167	110	West	Walking	300m	South	
	am	164	14		Walking	300m	South East	
	am	160	30	West	Grazing	900m	Na	
	am	158	23	West	Walking	1500m	Na	
	am	125	42	West	Grazing	300m	Na	
	am	123	160	West	Walking	700m	South	
	am	122	35	West	Grazing	1000m	West	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	am	112	49	West	Resting	250m	Na	
15 April	am	45	West	Grazing	1000m	Na	167	
	am	50	West	Walking	800m	Na	162	
	am	50	West	Grazing	25m	Na	157	
	am	58	West	Grazing	400m	Na	136	
	am	55	West	Grazing	200m	Na	123	
	am	14	East	Grazing	50m	Na	112	
16 April	am	172	30	West	Grazing	150m	Na	
	am	167	50	West	Grazing	800m	Na	
	am	161	22	West	Resting	600m	Na	
	am	160	125	West	Grazing	600m	Na	
	am	159	39	West	Resting	500m	Na	
	am	147	39	West	Walking	500m	South	
	am	141	35	West	Grazing	500m	Na	
17 April	am	158	50	West	Grazing	1000m	Na	
	am	138	19	West	Walking	600m	West	
	am	112	43	West	Grazing	400m	Na	
	am	141	35	West	Grazing	500m	Na	
19 April	am	162	13	West	Grazing	1000m	Na	
	am	160	19	West	Grazing	1000m	Na	
	am	140	18	West	Grazing	800m	Na	
	am	137	30	West	Grazing	300m	Na	
	am	136	40	West	Grazing	300m	Na	
	am	136	14	West	Milling	250m	Na	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	am	119	25	West	Grazing	600m	Na	
	am	115	25	West	Walking	500m	South	
	am	111	22	East	Grazing	75m	Na	
20 April	am	128	13	West	Walking	500m	South	
	am	127	43	West	Grazing	500m	Na	
	am	122	40	West	Grazing	100m	Na	
	am	111	30	West	Walking	500m	South	
21 April	am	164	30	West	Grazing	500m	Na	
	am	116	84	West	Walking	1000m	South East	
22 April	am	167	40	West	Grazing	600m	Na	
23 April	am	177	50	West	Walking	800m	East	
	am	166	20	West	Running	1000m	South	
	am	162	130	West	Resting	400m	Na	
	am	158	45	West	Grazing	1000m	Na	
	pm	169	35	West	Resting	500m	Na	
	pm	165	35	West	Grazing	250m	Na	
	pm	163	25	West	Grazing	500m	Na	
24 April	am	173	53	West	Walking	250m	North	
	am	168	13	West	Resting	150m	Na	
	am	166	21	West	Grazing	200m	Na	
	am	164	25	West	Grazing	150m	Na	
	am	138	26	West	Walking	800m	North	
	am	136	105	West	Grazing	300m	Na	
	am	132	7	West	Walking	200m	North	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
25 April	pm	178	275	West	Grazing	500m	South	
	pm	176	35	West	Resting	500m	Na	
	pm	172	34	West	Walking	600m	Na	
	pm	164	34	West	Walking	800m	South	
	pm	153	26	West	Grazing	500m	Na	
26 April	am	178	17	West	Grazing	75m	Na	
	am	164	37	West	Walking	1000m	East	
	am	147	85	West	Walking	200m	North East	
	am	138	20	West	Grazing	150m	Na	
	am	137	100	West	Grazing	300m	Na	
	am	135	35	West	Walking	50m	South West	
	am	127	23	West	Walking	200m	South	
	am	120	60	West	Grazing	150m	Na	
	am	115	90	West	Resting	200m	Na	
	am	112	200	West	Walking	250m	South	Approximately 200 cross from West to East
05 May	am	178	5	West	Na	Na	Na	
	am	168	36	West	Na	1000m	Na	
	am	164	43	West	Resting	900m	Na	
	am	151	48	West	Na	1000m	Na	
	am	150	54	West	Na	800m	Na	
	am	140	40	West	Na	600m	Na	
	am	138	60	West	Na	900m	Na	
	am	130	22	W	Walking slowly	800m	N	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	am	116	6	East	Grazing	50m		
	am	111	7	East	Grazing	100m	Na	
06 May	am	178	18	W	Na	1.5km	Na	
	am	176	21	W	Na	500m	Na	
	am	163	15	W	Na	900m	Na	
	am	158	16	W	Na	500m	Na	
	am	153	15	W	Na	1.3km	Na	
	am	146	8	W	Na	Na	Na	
	am	142	4	W	Crossing	0	East	
	am	119	7	E	Eating	300m	Na	
	am	112	6	W	Walking	400m	East	
	pm	111	22	E	Sleeping	1.5km	Na	
	pm	116	12	W	Walking	1.5km	Na	
	pm	119	7	W	Na	800m	Na	
	pm	127	15	W	Walking	500m	East	
	pm	176	32	W	Resting	1.5km	Na	
	pm	177	30	W	Grazing	300m	Na	
07 May	am	172	15	W	Grazing	Na	Na	
	am	133	19	W	Grazing	440m	Na	
	pm	111	8	W	Walking	75m	North	
	pm	130	41	W	Walking	1km	North	
	pm	134	6	W	Walking	2km	South	
	pm	150	3	W	Walking	1km	South	
	pm	158	4	W	Grazing	1.5km	Na	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
	pm	161	19	W	Walking	Na	Se	
	pm	161	6	W	Grazing	200m	Na	
08 May	am	134	7	E	Grazing	300m	Na	
	pm	114	50	W	Walking	200m	North	
	pm	117	14	W	Grazing	500m	Na	
	pm	124	9	W	Running	Na	South	
	pm	135	5	W	Running	1km	West	
09 May	am	178	4	W	Grazing	1.5km	Na	
	am	177	15	W	Grazing	1km	Na	
	am	155	3	W	Walking	200m	North	
	am	125	4	W	Grazing	1.5km	Na	
10 May	am	138	1	W	Grazing	1.5km	Na	
	am	120	12	W	Na	500m	Na	
	pm	133	32	W	Grazing	1.5km	Na	
	pm	119	6	E	Resting	300m	Na	
	pm	121	1	E	Grazing	100m	Na	
	pm	124	10	W	Walking	800m	South	
	pm	143	5	W	Walking	800m	North	
	pm	160	11	W	Grazing	700m	Na	
11 May	pm	116	7	E	Grazing	800m	Na	
	pm	128	23	W	Grazing	1km	Na	
	pm	137	8	W	Walking	800m	South	
	pm	155	13	W	Grazing	2km	Na	
	pm	178	75	W	Grazing	300-1km	Na	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
12 May	am	178	28	W	Grazing	250m	Na	
	am	163	8	W	Walking	1.5km	North	
	am	162	20	W	Grazing	2km	Na	
	am	160	15	W	Resting	1km	Na	
	am	139	15	E	Walking	800m	Ne	
	am	138	31	W	Walking	Na	Nw	
	am	124	10	E	Grazing	50m	Na	
	pm	118	7	W	Grazing	300m	Na	
	pm	125	15	W	Walking	1km	North	
	pm	126	35	W	Grazing	1.2km	Na	
	pm	129	21	W	Walking	1km	South	
	pm	120	50	W	Na	150m	Na	
	pm	159	70	W	Walking	1km	South	
	pm	178	60	W	Grazing	1km	Na	
13 May		132	8	W	Grazing	250m	Na	
		120	8	E	Grazing	100m	Na	
		161	13	W	Grazing	350m	Na	
14 May		121	8	E	Grazing	250m	Na	
		156	17	E	Grazing	1.5km	Na	
		174	4	W	Resting	500m	Na	
15 May		122	10	W	Crossing	Na	E	
		157	4	E	Grazing	500m	Na	
		121	8	E	Grazing	300m	Na	

Table 2: Tolerant Caribou Observations along WTHR, 2020.

Date	am/pm	KM	Group Size	Side of Road	Behaviour	Distance from Road	Direction of Travel	Comments
16 May		178	6	W	Walking	800m	N	
		154	5	E	Resting	300m	Na	
		135	10	W	Walking	1500m	N	
		115	20	W	Grazing	800m	Na	
		117	8	W	Grazing	200m	Na	
		125	6	W	Walking	1000m	S	
		138	5	W	Grazing	2000m	Na	
		167	10	W	Walking	800m	N	
17 May		151	5	W	Feeding	25m	Na	
		124	10	W	Walking	500m	W	
		119	8	E	Grazing	150m	Na	

APPENDIX C

Wildlife Mortality Report (Caribou)

Wildlife Incident Report Form

Date:	2020-03-02	**Time:**	14:00
Individuals involved:	Rowan Woodall	Simon Charron Bigras	
	Nancy Duquet Harvey		
Species:	Caribou		
Number, gender, age:	1, male, juvenile		
Location (description):	AWAR Km 89 3m West of road		
Location (UTM):	64 58 18.266N / 96 13 17.059W		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

A caribou corpse was spotted on the AWAR road at km 89 and reported to Nancy Duquet Harvey. She forwarded the information to Rowan Woodall. Him and Simon Charron-Bigras (Environmental Technicians) went to investigate, the caribou corpse was found at the reported location, 3 meters from the road, probably gutted by animals, frozen solid. While there was no traffic or wildlife incident reported to Agnico, the proximity to road and blood splatter suggests an interaction with traffic. Further investigation is ongoing.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

There was some crows eating on the carcass but they fled when the technicians approached. No deterrents used.
One Caribou corpse found, probably gutted by animals.

Describe any communication with GN-DOE:

GN-DoE Russell Toolooktook was contacted by Nancy Duquet-Harvey on March 2, 2020. It was agreed that the carcass will be retrieved and delivered to the GN Conservation Office in Baker Lake. The Wildlife Mortality Report was sent on March 3, 2020.

What immediate measures were taken to reduce risk or harm?

No immediate risk, deterrents gear was brought in case of scavenger wildlife presence.

What measures are recommended to prevent future occurrences?

Report prepared by:	Simon CB	**Reviewed by:**	Nancy Duquet-Harvey

Picture 1: Carcass distance from the road ~3m

Picture 2: Carcass had been preyed upon by scavenging animals

Picture 3: Blood around read-end of carcass

APPENDIX D

Wildlife Mortality Reports

Wildlife Incident Report Form

Date:	2020-01-21	**Time:**	15:00
Individuals involved:	Tom Thomson – Env		
Species:	Wolverine		
Number, gender, age:	N/A		
Location (description):	North of Meadowbank Camp at the North Cell Tailings Sludge Dump		
Location (UTM):	14 W 0637278 7216072		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Wolverine was trying to get access under the main camp (below kitchen grease trap). The wolverine was also observed numerous times near by the front doors of main camp, the smoke shack across from the front doors of the main camp, and the Incinerator. The wolverine had a tendency to run under the steps at the main camp when deterring efforts were used. Employees were getting worried of their safety working outdoors as the wolverine had become habituated to the front door/main camp area.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

Between Jan 13 and Jan 20 – Environment responded to frequent calls for the Wolverine (min. 3 a day) at the main camp near the kitchen grease trap area. A number of methods were used to deter the animal away from site (Horn of pick up truck, Bangers, Screamers, and Rubber Bullets). The opportunity to deter more aggressively with snowmobile did not present itself after receiving approval on Jan 17.

On Jan 21 @ 14:00 during a patrol – the Wolverine was seen trying to dig it's way under the skirting around the main camp by the kitchen grease trap area. The wolverine was deterred with the horn of the truck. ENV returned to the scene approximately 20 minutes later and the wolverine again was trying to access the area. ENV was able to deter with bangers out to the tailings area. ENV Coordinator Tom Thomson had a clear shot at the animal and dispatched it at 15:00.

Describe any communication with GN-DOE:

Emails exchange between Meadowbank Environment Coordinators and GN Conservation Officers of Baker Lake on January 16, 2020. Approval of more aggressive deterring methods and wildlife destruction authorization received on January 17, 2020. Report of Wildlife destruction on January 21, 2020 @ 16:00 between Rob Arsenault (GN) and Tom Thomson (MBK ENV). The animal will be brought to the GN Conservation office on January 22, 2020.

What immediate measures were taken to reduce risk or harm?

Respond to sightings immediately
Hold tool box meetings with different departments
Ensure no food waste is present
Place additional gravel at the location where animal was trying to access

What measures are recommended to prevent future occurrences?

Continue to educate departments on Wildlife interactions, food waste and attractants.
Ensure additional gravel/material is compacted and placed at any gaps between skirting around the camp and ground.

Report prepared by:	Tom Thomson	Reviewed by:	Tom Thomson

Photo 1: Material placed and where wolverine tried to access

Photo 2: Kitchen/Main camp area

Photo 3: North Cell Tailings Area

Photo 4: Wolverine

APPENDIX E

Waterbird Mitigation Project – 2020 Progress Report

AGNICO EAGLE

MEADOWBANK COMPLEX

2020 Migratory Bird Protection Report

In Accordance with NIRB Project Certificate No.008

Prepared by:
Agnico Eagle Mines Limited – Meadowbank Complex

March, 2021

EXECUTIVE SUMMARY

Through collaboration with Trent University and ECCC, research studies were initiated in 2018 to determine the effectiveness of flood mitigation measures for migratory birds in the Whale Tail South area. The three objectives of this research study were to:

1. Determine the efficacy of various audio and visual deterrents (for preventing flood-zone nesting).
2. Estimate the number of nests and the species composition lost due to the flooding.
3. Examine the behavioural response of birds to the flooding (determine whether birds re-nested or moved after the flooding events) and behavioural response to deterrents (e.g., impacts to duration on the nest).

Although the third and final field season in 2020 was unable to proceed due to COVID-related restrictions, sufficient data was collected in 2018 and 2019 to fulfill Objectives 1 and 2, and to examine various behavioural responses of birds to deterrents. The examination of behavioural response to flooding (whether birds re-nest nearby) will be examined if feasible by the Trent/ECCC research team during field studies in 2021.

Based on the results of this research study in 2018 and 2019, the tested mitigation methods were found to be ineffective in deterring nesting birds, and their continued use was not recommended by the Trent/ECCC research team. Therefore, in accordance with the updated Migratory Bird Protection Plan (March, 2020), these measures were not implemented in 2020.

Both the FEIS for the Whale Tail Pit Project (Agnico Eagle, 2016) and the FEIS Addendum for the Whale Tail Expansion Project (Agnico Eagle, 2018) made predictions for the number of nest sites estimated to be displaced by flooding in the vicinity of the Project site. Nest displacement was re-estimated here using nesting densities observed by the research team in 2018 and 2019, along with measured peak water levels during the 2018 – 2020 nesting seasons. Based on these calculations, estimated impacts of flooding on nesting birds have been lower to date than FEIS Addendum estimates, despite changes in flood rates compared to FEIS predictions.

TABLE OF CONTENTS

APPENDICES

LIST OF TABLES

LIST OF FIGURES

SECTION 1 • INTRODUCTION

In 2018, Agnico Eagle Mines Ltd. (Agnico) was issued NIRB Project Certificate No. 008 the Whale Tail site, a satellite deposit at the Meadowbank Mine. Two water diversions were constructed as part of water management activities for this project, potentially impacting nesting success in shoreline areas due to flooding.

The Whale Tail Lake (South Basin) diversion (Figure 1) was initiated through construction of the Whale Tail Dike to divert flow from Whale Tail Lake and tributary lakes through waterbody A45, just south of Lake A16 (Mammoth Lake). Flooded tributary lakes include Lake A18, Lake A19, Lake A20, Lake A21, Lake A22, Lake A55, Lake A62, Lake A63, Lake A65, Pond A-P1, and Pond A-P53. In-water construction of the Whale Tail Dike was completed September 2018, and dewatering of the North Basin of Whale Tail Lake began in March, 2019. The rise in water levels from baseline (~152.5 masl) to the FEIS-predicted maximum of 156.00 masl of this area was planned to occur throughout 2019 and 2020, causing approximately 157 ha of terrestrial flooding (Agnico Eagle, 2016). In 2018, updated modeling was conducted as part of the FEIS Addendum for the Whale Tail Expansion Project (Agnico Eagle, 2018). Acquisition of higher resolution LiDAR data allowed the Whale Tail South flood predictions to be more accurate, and these calculations determined that at peak flood of 156.0 masl, 148.5 ha of terrestrial habitat would be flooded.

The Northeast diversion consists of construction of the Northeast dike to divert Lake A46 and tributary lakes through Lake C44 in the Lake C38 (Nemo Lake) watershed. Flooded tributary lakes included Lake A47, Lake A48, Lake A113, Pond A-P38, and Pond A-P68. The main construction activities for the Northeast dike were carried out from September 2018 to February 2019. Flooding of this area occurred in spring 2019, and the estimated total flooded terrestrial area was 18 ha. In 2020, the formerly flooded waterbodies in this area were fished out and dewatered to permit development of the Whale Tail Pit Expansion Project. No future flooding in this area is planned as part of the Expansion Project.

Flooding of these two areas was determined to have the potential for incidental disturbance and destruction of migratory birds and their nests. As per Nunavut Impact Review Board (NIRB) Project Certificate No.008 Condition 34, the Migratory Birds Protection Plan (the Plan) describes how these impacts are mitigated through use of visual and audio bird deterrents, and regular sweeps by personnel to discourage nesting. Mitigation was planned to be focused between 2018 and 2020, or until water levels reach their maximum flood plain.

Since the effectiveness of deterrents used in discouraging nesting was largely unknown for the resident bird species prior to 2018, a research study was initiated to assess their effectiveness and make recommendations on deterrent use during the 2019-2020 flooding. This study was developed in collaboration with Environment and Climate Change Canada (ECCC) and Trent University.

This report describes actual measured water levels during flooding to date (2019 and 2020), the mitigation measures that have been implemented according to the Plan and estimates of nesting bird displacement due to flooding. It also provides a summary of results of the Trent/ECCC research study, with the full 2020 research report provided as Appendix A.

SECTION 2 • WATER LEVELS

2.1 WHALE TAIL SOUTH

In-water construction of the Whale Tail Dike was complete in September, 2018, and dewatering of Whale Tail Lake (North Basin) began in March, 2019, initiating the planned flooding of the Whale Tail South flood zone. Dewatering was completed in May, 2020.

Maximum predicted water levels in the Whale Tail South flood zone are shown in Figure 1 (156.0 masl), along with measured peak flood levels in 2020 (155.7 masl on June 17), and post-freshet low water levels in 2020 (155.1 masl on December 27, 2020).

Due to record rainfall, peak water levels in 2019 exceeded predictions in July, but did not reach the maximum predicted final flood level of 156.0 masl. Following discussions with NWB, Agnico temporarily pumped non-contact water from the Whale Tail South (WTS) flood zone directly to Mammoth Lake, from October 21 to December 18, 2019. Construction of the South Whale Tail Channel (SWTC) to connect Whale Tail South to Mammoth Lake was complete prior to freshet in 2020. This channel now passively manages water levels in Whale Tail South.

In 2020, water levels in Whale Tail South were predicted in the FEIS Addendum to remain near the peak flood level of 156 masl following freshet. However, just prior to its' construction in early 2020, the final design of the South Whale Tail Channel was changed to reduce its inlet invert elevation by 0.5 m (to 155.3 masl), to better accommodate flood events. Operational water levels are therefore now expected to be lower than the 156.0 masl prediction.

The progression of flooding (measured water levels) is shown in Figure 2 and 3, in relation to FEIS Addendum predictions. Figure 2 shows the long-term trend in predicted water levels in relation to available baseline, dewatering- and operations-phase measurements. However, it is noted that FEIS-predicted water levels were calculated as monthly timesteps in a mean annual water balance, whereas measured water levels are assessed every 3 hours. Measured values may therefore be expected to vary around the prediction, due to both inter-annual climate variability and scale of measurement. Figure 3 more closely examines this variability for the period since flooding began (2019) and demonstrates in particular how the very rapid flood peak that is observed during freshet with multiple daily water level measurements is substantially smoothed when monthly means are plotted for better comparison with predictions.

The anticipated impact of the observed annual water level variations on predictions for nest displacement is further discussed in Section 4.

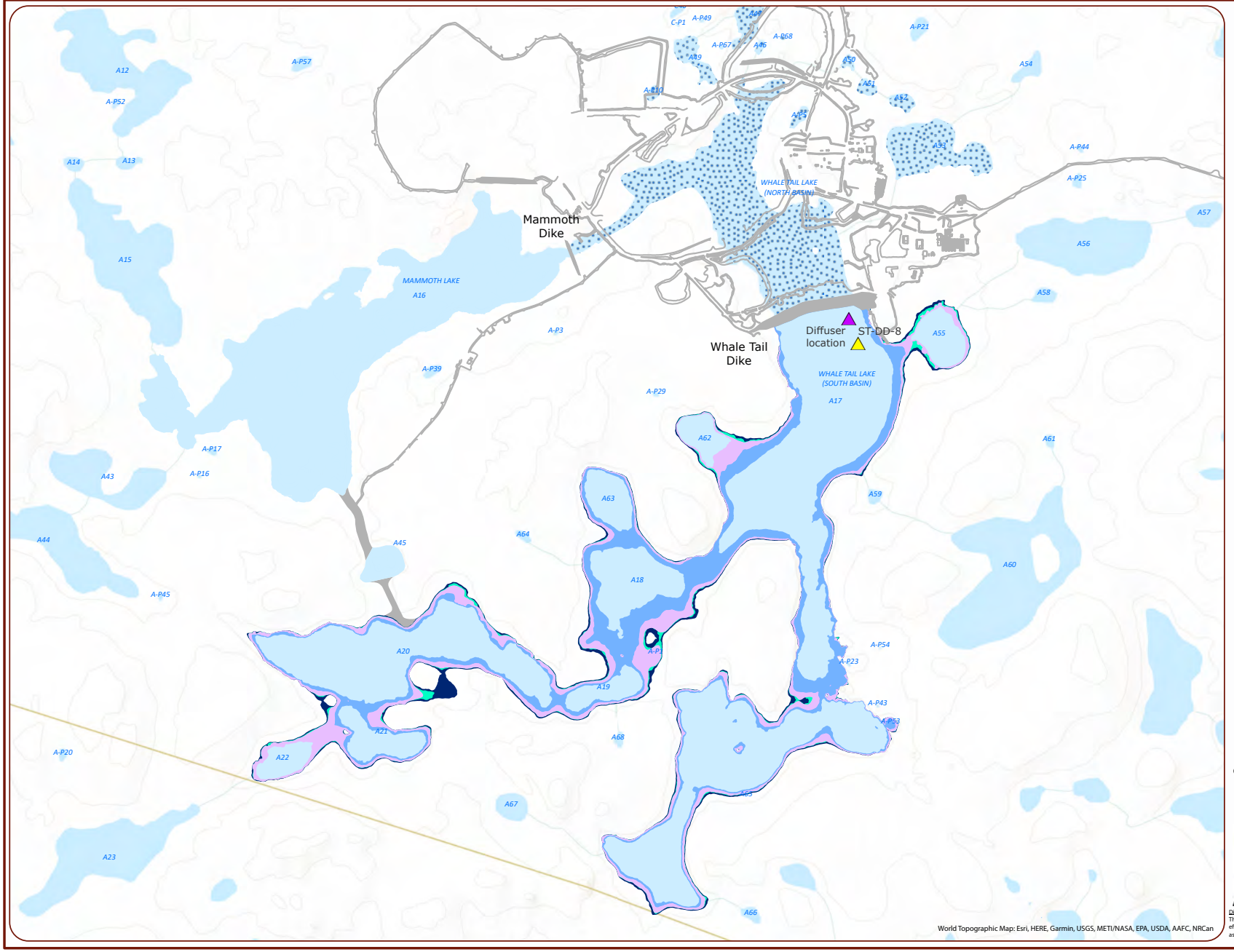


Figure 1: Whale Tail South Flood Zone Water Levels (2020)

Legend

- Dewatering Monitoring Locations
- Diffuser location
- Infrastructure
- Dewatered Lake

South Whale Tail Lake Elevations

- Baseline Water Level
- 2020 Post-Freshet Low Water Level (155.1 masl, December 27)
- 2020 Measured Peak Flood Level (155.7 masl, June 23)
- Measured Peak Flood Level (155.84 masl, 2019)
- Max Predicted Water Level (156 masl)

0 0.25 0.5 1
Kilometres
SCALE: 1:22,000

N

UTM Zone 17N NAD83

AGNICO EAGLE

Disclaimer:
The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation.

PROJECT: DA111-062-08
CLIENT: Agnico-Eagle Mines Ltd. Meadowbank Division
DATE: 12, March 2021
DRAWN BY: Janel Sauder

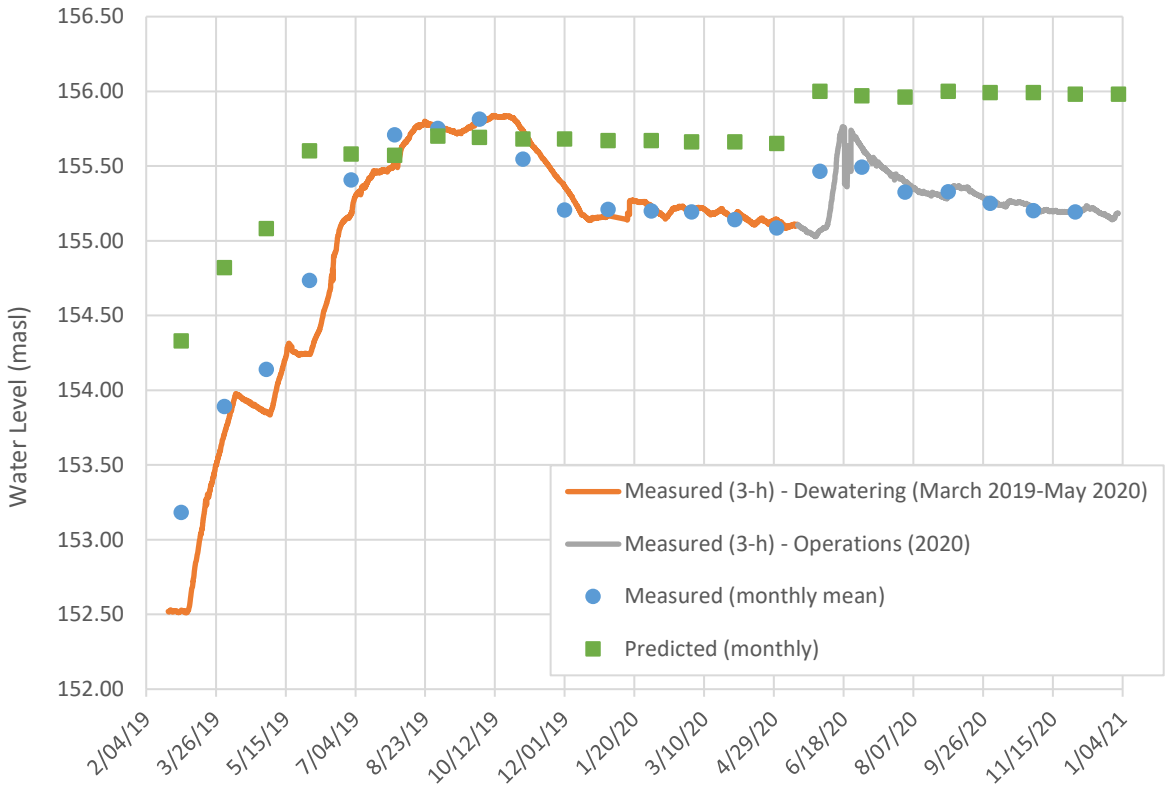


Figure 3. Measured (3-h interval and monthly mean, as indicated) and predicted water levels in the Whale Tail South flood zone. Predicted water levels from FEIS Addendum for the Whale Tail Pit Expansion Project, Appendix 6-O, Table D-14. Monthly mean water levels are shown for the months of May, June, July and August, 2020, and plotted by the month start date.

2.2 NORTHEAST DIVERSION

The Northeast Dike was constructed from September 2018 to February 2019. Maximum FEIS-predicted water levels in the Northeast flood zone are shown in Figure 3, along with measured peak flood levels in 2019, and final water levels (December, 2019). Original Whale Tail FEIS (Agnico Eagle, 2016) water management plans indicated that this flood water would increase to the maximum elevation of 156.6 masl, and then flow naturally through a tundra pond system to Nemo Lake. The maximum predicted flood level in this area (156.6 masl) was reached on July 6, 2019. At that point, it was observed that the topography toward Nemo Lake would not allow water to overflow naturally before overtopping the dike liner. As a result, following approval by NWB (see 2019 Annual Report for further details), non-contact water was pumped out of that area beginning in July, 2019, to maintain safe water operating levels against the Northeast Dike. Water was pumped from July to October 2019, and June to July 2020 towards the watershed of Nemo Lake.

Waterbodies in this area were then fished out and dewatered to permit construction of the Whale Tail Pit Expansion Project (IVR Pit area), and the Northeast Dike was dismantled. This area will undergo mine development activities, and no future flooding is planned.

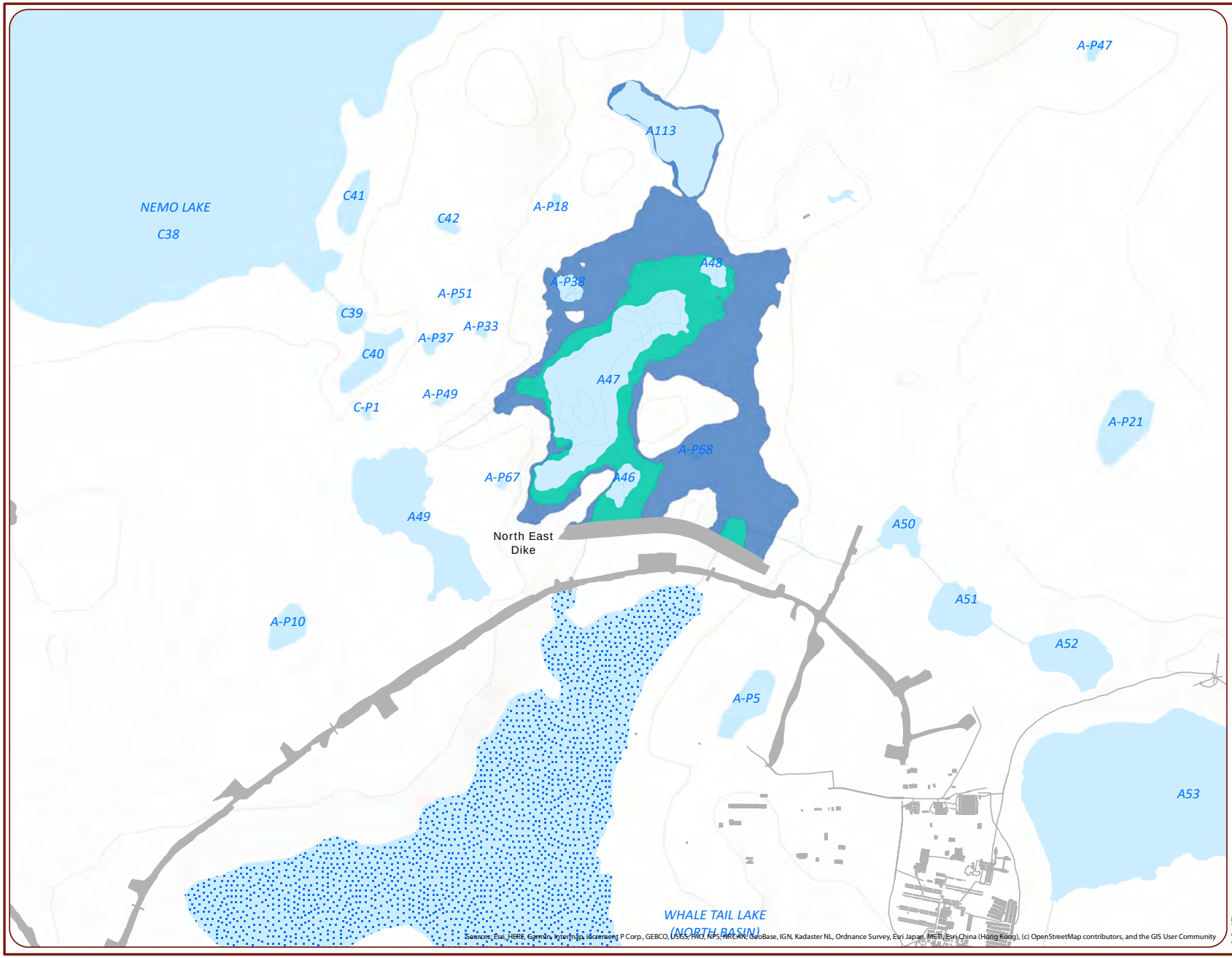


Figure 4: North East Diversion Flood Zone Water Levels (2019)

Legend

- Infrastructure
- Dewatered Lake

North East Diversion Lake Elevations

- Baseline water level
- Final 2019 water level (155.66 masl)
- Final predicted water level and peak 2019 water level (156.66 masl)

0 0.075 0.15 0.3
Kilometres
SCALE: 1:7,000

N
UTM Zone 17N NAD83

AGNICO EAGLE

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Disclaimer:
The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation.

PROJECT: DA11-062-08
CLIENT: Agnico-Eagle Mines Ltd. Meadowbank Division
DATE: 12, March 2020
DRAWN BY: Janel Sauder

SECTION 3 • MITIGATION MEASURES

According to the Migratory Bird Protection Plan (Version 1; July, 2018), the following mitigation measures were planned to be implemented in 2018 and 2019 to deter nesting of waterbirds in the Whale Tail Lake and Northeast water diversion areas during flooding:

- Deploying visual and audio bird deterrents,
- Regular sweeps by Agnico Eagle staff to discourage nesting through human activity, and to move the visual and audio deterrents;
- While Agnico may in the future consider the feasibility of using habitat modification or exclusion techniques within the flood zone in consultation with ECCC and academic institutions, these methods are not part of the primary mitigation plan.

In the 2018 nesting season, no flooding had yet occurred, so no measures were implemented.

During the 2019 nesting season, mitigation measures were implemented in collaboration with academic partners at Trent University. The crew from Trent University deployed audio and visual deterrents throughout selected plots within the Whale Tail South flood zone (Appendix A) between June 16 and 17, 2019. These were the earliest dates logistically feasible, based on weather conditions (primarily the need to wait for snowmelt). At this time, water levels were at 154.68 masl in Whale Tail South Basin, or approximately 2 m above baseline levels. Deterrents consisted of 20 x 20 m flash tape grids, and audio deterrents. Flood-zone plots were surveyed every four days between June 16 and July 14, for a total of 148 hours of sweeps within the flood zone during the 2019 nesting season. No deterrents were deployed within the Northeast flood zone, since water levels were already near their maximum predicted elevation (156.6 masl) at the beginning of the nesting season (156.3 masl on June 14, 2019).

In March, 2020, the Migratory Bird Protection Plan was updated (Version 3) according to the results of the Trent/ECCC research study in 2018 and 2019. The tested methods were found to be ineffective in deterring nesting birds, and their continued use was not recommended by the Trent/ECCC research team. Therefore, in accordance with the updated Plan, and because flooding was identified to be near complete in 2019[1], these mitigation measures were not implemented in 2020.

SECTION 4 • ESTIMATED NEST DISPLACEMENT

As described in the Whale Tail Pit Project FEIS (Agnico Eagle, 2016), a total of 10 waterbird nests and 88 upland bird territories were predicted to be displaced by flooding of 176 ha in the Whale Tail South and Northeast Diversion areas combined, if no mitigation was undertaken (TEMP Version 5, June 2018;

[1] Agnico Eagle response to ECCC Comments on the 2019 Annual Report to the NIRB (August 21, 2020). Available through the NIRB Public Registry (ID 331212).

Appendix F, Section 2.1). This prediction was made by extrapolating data from limited shoreline surveys conducted in 2015/2016 (98 nests/1.76 km^2 = 56 nests/km^2 or 0.56 nests/ha).

Updated assessments in the FEIS Addendum (Agnico Eagle, 2018) refined the estimate for the Whale Tail South flood zone as shown in Table 1. A total of 89 nests, or 0.6 nests/ha in 148.5 ha of flooding were expected to be displaced based on a maximum water elevation of 156.0 masl in 2021 (86 nests by 2020). No impacts were predicted for the Northeast Diversion area, since flooding of this area was no longer planned under the Whale Tail Expansion Project. Since flooding of this area did occur in 2019 under the Whale Tail Pit Project, prior to permitting of the Expansion Project, estimates of nest displacement made here for both diversion areas combined are conservatively compared to FEIS Addendum predictions for total nest displacement. The progression of flooding in each area and updated calculations for total nest displacement are further discussed below.

Table 1. FEIS Addendum predictions for change in flooded area and number of displaced nests in the absence of mitigation (from Agnico Eagle, 2018; Table 5.5-11). Under this Project, flooding was only planned for the Whale Tail South area. However, since flooding of the Northeast Diversion did occur in 2019, updated total nest displacement includes both flood zones.

Nesting Year	FEIS Addendum Predictions			Updated Calculations	
	Predicted Change in Flooded Terrestrial Area (ha)	Annual Additional Nest Displacement from Sequential Flooding	Total Nest Displacement	Annual Nest Displacement	Total Nest Displacement
2018	2.24	3	3	0	0
2019	+108.26	+62	65	+23-46	23 – 46
2020	+34.66	+21	86	+9 - 16	32 - 62
2021	+3.34	+3	89	-	-
2022	+0	+0	89	-	-

Estimates of nest displacement were updated for 2018 – 2020 (Table 1) based on nest densities observed by the University of Trent/ECCC research team in 2018 and 2019 (0.31 and 0.16 nests/ha, respectively – see Section 5.3.2) and measured peak water levels during each nesting season of May - August. Flooded terrestrial areas for measured water elevations were determined from FEIS Addendum modelling (Appendix 6-F).

In 2018, no flooding occurred so no nests were displaced.

In 2019, dewatering of Whale Tail North was initiated, and flood levels for the Whale Tail South area reached a maximum of 155.8 masl during the nesting season (May – August), flooding approximately 129.5 ha compared to 2018 baseline water levels (152.5 masl), and displacing an estimated 20.7 – 40.1 nests at the nest density rate of 0.16 – 0.31 nests/ha observed by the Trent/ECCC research team. For the Northeast Diversion area, peak flood occurred during the nesting season on July 6, 2019 (156.7 masl), flooding approximately 18 ha and displacing an estimated 2.7 – 5.6 nests based on the nest density observed by the research team. It is noted however that the estimates of nesting density in 2018 and 2019 were for the Whale Tail South area, and no updated estimates were conducted for the Northeast Diversion area. In total, 23 – 46 nests are estimated to have been impacted by flooding in 2019, assuming the applied mitigation measures (nesting deterrents) were ineffective and displaced birds were not able to successfully nest outside the flood zone.

In 2020, dewatering of waterbodies to Whale Tail South continued until May, but volumes were limited compared to 2019. Flood levels in Whale Tail South were at 155.1 masl prior to initiation of the nesting season (May 15[2]). They peaked during the nesting season at 155.7 masl on June 17. This degree of fluctuation in water levels appears to be within natural variation (2015 baseline measurements varied by 0.8 m within the year – Figure 2), and may be expected to continue annually. However, since some dewatering of Whale Tail North did occur in 2020 and for consistency with the FEIS schedule of predictions, impacts to nests of the 2020 flooding during freshet are calculated here. The rise in water levels from 155.1 masl on May 15 to a peak of 155.7 masl on June 17 is estimated to have flooded approximately 52 ha, displacing an estimated 8.3 – 16.0 nests. In the Northeast flood zone, water level measurements did not begin until near ice-off (June 12). From this date, however, no increase in flood levels occurred, as water levels were maintained during June and July for operational purposes, and then this area was dewatered to permit construction of the IVR pit.

Based on these calculations, impacts of flooding on nesting birds to date (Table 1; up to 62 nests) appear to have been lower than FEIS Addendum estimates (up to 86 nests), despite some changes in flood patterns compared to FEIS predictions. FEIS Addendum estimates for nest displacement assumed no mitigation was implemented (Agnico Eagle, 2018; Table 5.5-11), and that mitigation plans would be confirmed in consultation with ECCC. This consultation lead to development of the Trent/ECCC research study, through which audio and visual deterrents were deployed for testing throughout selected plots within the Whale Tail South flood zone during the primary flood season (2019). Through this study, these deterrents were later determined to be largely ineffective (see Section 5.3.1).

These estimates of nest displacement do not differentiate between nests that are lost directly from inundation and potential losses due to territory flooding, and therefore are useful for providing a conservative estimate of impacts. However, final estimates of the number of nests lost due to flooding through direct inundation are still being calculated by the Trent/ECCC research team. These results, along with the analysis of behavioural response to flooding (whether birds re-nested or moved after the flooding events, to be evaluated in 2021 via field studies by the research team, if feasible), will provide a further indication of the actual impacts of flooding on the local breeding bird population.

SECTION 5 • RESEARCH STUDY SUMMARY

5.1 INTRODUCTION

In order to determine the effectiveness of mitigation methods aimed at reducing impacts of Whale Tail site flooding on waterbirds, Agnico is conducting a 3-year study in partnership with Environment and Climate Change Canada (ECCC) and Trent University. Through this project, Agnico is also contributing to advancing the scientific understanding of conservation methods for at-risk species.

The objectives of the research study are primarily to:

1. Determine the efficacy of various audio and visual deterrents for preventing flood-zone nesting.

[2] FEIS Addendum Appendix 6-F indicates the migratory bird nesting season extends from May 17 – August 15.

2. Estimate the number of nests and the species composition lost due to the flooding.
3. Examine the behavioural response of birds to the flooding (determine whether birds re-nested or moved after the flooding events) and behavioural response to deterrents (e.g. impacts to duration on the nest).

5.2 METHODS

5.2.1 2018 Field Studies

A complete summary of 2018 field studies prepared by the research team from Trent University was provided in the 2018 Migratory Bird Protection Report.

Briefly, the objectives of the 2018 field study were to collect preliminary data to assess the effectiveness of visual deterrents in changing bird behaviour during nesting. This portion of the study was carried out at test plots without flooding along the Whale Tail Haul Road (Objective 1). Researchers also collected baseline data on nest abundance in the water diversion flood zones (Objective 2).

Objective 1 – Effectiveness of Deterrents

The field team assessed 21 plots along the Whale Tail Haul Road between the Amaruq Camp and kilometer 163 (formerly km 48) over a 6-week period, beginning June 4, 2018. Plots were chosen with the use of Ecological Land Classification maps and ground truthing. Plots are 200 x 300 meters (6 ha), covering a mix of low-lying wet sedge habitat types representative of the habitats that will be flooded around Whale Tail Lake. The purpose of the plots was to allow spatially-independent samples in which to test deterrents.

Deterrents were planned to be set up prior to bird arrival, to assess differences in nesting between sites, but delays in shipment meant they were not erected until late June. As a result, changes in behaviour of individual birds after set-up of deterrents was assessed. Due to delays in shipment of audio deterrents, their effectiveness could not be assessed in 2018.

Objective 2 – Whale Tail Flood Zone Impact Assessment

Research teams surveyed five general areas the eventual Whale Tail area flood zones over 8 days during peak incubation (June 24 – July 2, 2018). Within the North East Diversion flood zone, a total of 15 nests were found over two days of surveying and within the Whale Tail Diversion flood zone a total of 35 nests were found over 6 days of surveying (see figures in 2018 Migratory Bird Protection Report, Appendix A for locations).

Out of the 50 nests, 30 individual birds of 4 species were banded with individual markers so that they may be identified in the 2019 field season, to determine if they breed nearby once they are prevented from returning to their breeding territories by flooding.

5.2.2 2019 Field Studies

A complete summary of 2019 field studies prepared by the research team from Trent University is provided in the 2019 Migratory Bird Protection Report.

Objective 1 - Effectiveness of Deterrents

At the beginning of the 2019 study season (June 5 – 14), audio and visual deterrents were placed in the same experimental plots established in 2018 along the Whale Tail Haul Road (n = 15 plots).

Experimental plots (300 m x 200 m) were divided into two types of treatment and control plots. Treatment 1 consisted of audio deterrents playing a mix of predatory and distress calls paired with a 20 x 20 m grid of Mylar® flash tape and a Jackite© hawk kite effigy. Treatment 2 consisted of audio deterrents with the use of Jackite© (a hawk kite effigy) only. Control plots had no deterrents present.

Nest and territory densities were compared between 2018 and 2019 using a before-after control-impact design.

Objective 2 - Whale Tail Flood Zone Impact Assessment

During the 2019 field season, sixteen (16) 6-ha plots within four study locations were assessed for migratory bird presence in relation to active flooding and presence of deterrents. Deterrents were placed in the treatment plots (n = 4) within the active flood zone between June 16 – 17, 2019, and nest surveys were conducted every four days until July 14.

Objective 3 – Behavioural Responses

In 2019, monitoring was also conducted to assess behavioural responses to deterrents for the four main study species (Lapland longspur, horned lark, semipalmated sandpiper, and least sandpiper). Behavioural response metrics included territory mapping, nest fate/success, incubation duration, and distance of nesting relocation.

5.2.3 2020/2021 Field Studies

Field studies were planned to continue in 2020 as follows. However, due to COVID-related restrictions, this field season was cancelled. Analyses of data collected in 2019 by the Trent research team continued, particularly to assess observed behavioural responses to deterrents. The originally planned 2020 field study is described below. This work will be completed in 2021 by alternate research team members from Trent University, if feasible, depending on personnel availability and COVID-19 restrictions:

Objective 3 - Behavioural Responses

The study will continue to determine the re-colonisation time of nest densities in the flooded area post-flooding. This will require the monitoring of the 16 plots within the flood zone surrounding Whale Tail Lake. The project is interested in visiting the 16 plots within the flood zone to determine nest densities post-flooding, and to understand how nesting birds react the elimination of previously suitable habitat. Another focus will be to determine how bird densities change between years as the water line moves, and how elevation factors into the selection of nest sites. This will be accomplished by visiting at least 8 of the plots, located on the Eastern shore of Whale Tail Lake and its tributaries (WT1 and WT2).

5.3 RESULTS

5.3.1 Objective 1 – Effectiveness of Deterrents

Complete results describing the effectiveness of the tested deterrents are provided in Appendix A. These results demonstrate that the deterrents had limited success in dissuading birds from nesting, were relatively cost- and labour-intensive, and posed possible risks to other wildlife from entanglement.

As a result, continued use of the deterrents was not recommended for the Whale Tail site.

5.3.2 Objective 2 - Whale Tail Flood Zone Impact Assessment

During the 2018 survey of the Whale Tail study area, a density of 0.31 territories/ha was observed, with an average initiation date of June 16. Upon arrival at the Whale Tail sites in 2019, a vertical shoreline loss of 40 m (or about 1/3) of terrestrial land for plots within the planned flood zone was estimated, which occurred as a result of Whale Tail North dewatering and flood initiation in late winter. Because of this, about half of the proposed flood area plots were under water prior to the nesting season. In 2019, control plots adjacent to the flooded plots had an average density of 0.156 territories per ha. The densities in the control plots surrounding Whale Tail Lake thus decreased by 0.109 territories per ha between 2018 (pre-flooding) and 2019 (post-flooding).

During the flooding, 6 nests of 3 species were documented as lost due to direct impacts of the high water (an average minimum loss of 0.038 nests per ha). A maximum loss of 0.197 nests per ha was estimated based on the original estimated density of 0.31 territories per ha. Despite the nest loss due to flooding and a significant amount of habitat loss, nests found within the proposed flood zone plots had an estimated nest success rate of 56% in 2019.

Direct nest loss due to flooding using measured water levels is still being calculated by the Trent/ECCC research team and results will be provided in subsequent annual reports.

5.3.3 Objective 3 – Behavioural Responses

Behavioural responses of nesting birds to deterrents were assessed using temperature probe data collected in 2019. Results from temperature probe data suggested that, after controlling for environmental and temporal variation in incubation behaviour, birds exposed to deterrents had a significantly increased frequency of breaks in incubation (“off bouts”) compared to birds in control plots, but no difference in the total proportion of time spent off the nest per 12 hour period (i.e., more and shorter incubation recesses). This suggests that birds in treatment plots were disturbed and pushed off their nest more often than birds nesting in control plots. However, despite these behavioural responses to disturbance from the deterrents, birds did not abandon nests, nor was their nest success impacted in comparison to birds nesting in control plots.

Behavioural responses of birds to flooding (distance of displacement) will be assessed by the research team if feasible in 2021, depending on availability of personnel and restrictions related to COVID-19.

5.4 CONCLUSION

In summary, this project demonstrated that Arctic-nesting birds are not easily discouraged from nesting in their preferred locations and show limited responses to visual and audio deterrents. Based on the limited success, the cost of the equipment and the labour required to deploy and maintain, these methods were not recommended for mitigating nest loss in the future.

This research will culminate with a four-chapter MSc dissertation by Gill Holmes at Trent University, expected to be completed by May 2021, including the outstanding assessment of direct nest loss.

The final objective to assess behavioural response of birds to flooding will be completed by the research team in 2021 if feasible (depending on personnel availability and restrictions under COVID-19).

APPENDIX A

2020 Trent University/ECCC Study Summary Report

Waterbird Mitigation Project, Agnico Eagle Mines Ltd

2020 Progress Report

Gillian Holmes

MSc. Student, Trent University

Trent University, Environment and Climate Change Canada, Agnico Eagle Mines Ltd.

Table of Contents

List of Appendices

Introduction

Mining and other forms of resource development frequently result in disturbance to wildlife that is difficult to avoid. Technological options to mitigate these impacts are therefore of great interest to resource developers and conservationists alike. Mining is an important economic driver in the north by providing jobs for people living in northern communities (Cameron and Levitan 2014; Belayneh et al. 2018). In Nunavut alone, 18% of the gross domestic product in 2014 was associated with resource extraction (AMAP 2017). Mineral, oil and gas exploration is expected to increase throughout the Arctic landscape (A.T. Kearney Inc. 2015), leading to land use changes and disturbance of important habitat for wildlife (Wilson et al. 2013). Resource extraction can have detrimental impacts on habitat quality through the modification of landscapes, increased pollutants, and human disturbance (Reijnen et al. 1997; Johnson et al. 2005; Hassan 2016). Studies from Hof et al. (2017) have demonstrated that arctic-nesting birds are especially vulnerable to climate change; with the increase of resource extraction in arctic landscapes leading to additional loss in nesting habitat there is an even greater probability of future species loss (Gajera et al. 2013; Bernath-Plaisted and Koper 2016). Finding a balance between conservation and economic growth is crucial in vulnerable landscapes such as the Arctic, particularly when faced with climatic change (Wauchope 2016).

This report outlines progress made on the Waterbird Mitigation Project during 2020. As for most researchers around the world, our **2020 field season was cancelled due to the Covid-19 global pandemic.** Nevertheless, we were able to make significant progress on analysis and interpretation of results regarding the efficacy of bird deterrents.

Project Overview

Agnico Eagle Mines Ltd. is currently developing the Whale Tail Project, approximately 130km North of Baker Lake, NU. The project included the construction of two dykes within the northern portion of Whale Tail Lake that diverted water from the Whale Tail mining pit into the surrounding lakes and tributaries. This resulted in flooding that elevated the water levels by 4 m above current levels over two years between 2019 and 2020, flooding approximately 157 ha of tundra during the breeding season for arctic birds. The Migratory Birds Convention Act (1994) prohibits the harm of migratory birds and the disturbance or destruction of nests and eggs. Therefore, the company is committed to avoiding or minimizing this harm and developing mitigation strategies.

As part of a collaboration between Trent University, Environment and Climate Change Canada and Agnico Eagle Mines Ltd., this project explored mitigation options for flooding during the construction phase of the Whale Tail Pit. Mitigation options sought to deter birds from nesting in high risk areas, so that the impacts from mining-induced flooding or other localized disturbances could be minimized.

Through the use of both experimental and observational approaches, the objectives of the research were to (1) determine the most effective bird deterrents and the manner in which these deterrents should be applied, (2) assess the degree of risk posed to nesting migratory birds by mining-induced flooding and estimate the number of nests and the species composition lost due to the flooding and (3) examine the behavioural response of birds to the flooding, to determine whether birds re-nested or moved after the flooding events.

Year Two - 2019 Overview

The 2019 field season began on May 23rd with the arrival of Gill Holmes (MSc. Candidate) and technician, Sophie Roy. Late May tasks included assembling the audio deterrents and troubleshooting problems that arose in the field, testing visual deterrents in the field and preparing the other equipment required for the season. Three more technicians arrived on the 1st of June and 3rd of June including Amy Wilson, Joanne Hamilton and Sarah Bonnett.

When the crew arrived on site, flooding had already occurred. Although Whale Tail Lake was frozen, there was a drastic change in the riparian zone edge due to the late winter flooding of Whale Tail Lake's southern basin. Snow melt occurred in the first week of June, with an unexpected snowstorm on the 9th of June, blanketing the landscape with an estimated 8 cm of snow. Whale Tail Lake began to thaw between early- and mid-June, revealing signs of water level changes on the land (Figure 1).

Figure 1: Examples of the shoreline flooding due to the diversion into the southern basin of Whale Tail Lake. Top: A view ground view of the flooding at Whale Tail Three site, Amaruq Mining Camp in the background. Bottom: An above view of the flooding at Whale Tail Three site. Please refer to Figure 4 for detailed map of the Whale Tail site.

Deterrents were deployed between 6 and 17 June, slightly later than planned due to late arrival of gear and the heavy snow on 9 June. The field crew departed the site on 19 July, for a field season length of 57 days.

Methods

Objective 1. Efficacy of Deterrents

Deterrents were tested through a Before-After Control Impact experimental design, carried out along the Amaruq Road. A total of 15 plots (300 m x 200 m) were established during 2018 within 1 km of the Amaruq Road, between the 5 - 14 June (Figure 2). These plots were selected as 5 groups of three, with each group containing two treatment plots (High Intensity Treatment and Low Intensity Treatment, Table 1) and one control plot. In 2018, no deterrents were applied, representing the "before" phase of the experimental design. In 2019, the High Intensity Treatment consisted of audio deterrents playing a mix of predatory and distress calls paired with a Jackite© predator effigy placed in the centre of the plot, and Flash Tape grid covering the entire plot, with tape deployed every 20 m in both directions (Table 1). The High Intensity Treatment was chosen to potentially be the most effective at deterring breeding birds, but was also the most labour-intensive. The Low Intensity Treatment consisted of audio deterrents and an effigy only, and was selected as a less labour-intensive option (Table 1). Control plots contained no deterrents.

Were made repeated visits to the plots to map out the locations of territorial birds, and to attempt to find all nests. For mapped territories, we calculated the proportion of the territory within each plot. In cases nests were found but territories could not be mapped, we assumed that the territory was centred on the nest and had a size equal to the average territory size for the species in our data. We compared territory densities in control and treatment plots between years using a linear mixed-effects model (lmer in R), with Year, Treatment and their interaction as fixed effects. In this BACI design, the deterrents are effective at reducing birds' nesting densities if there is a statistically significant interaction effect

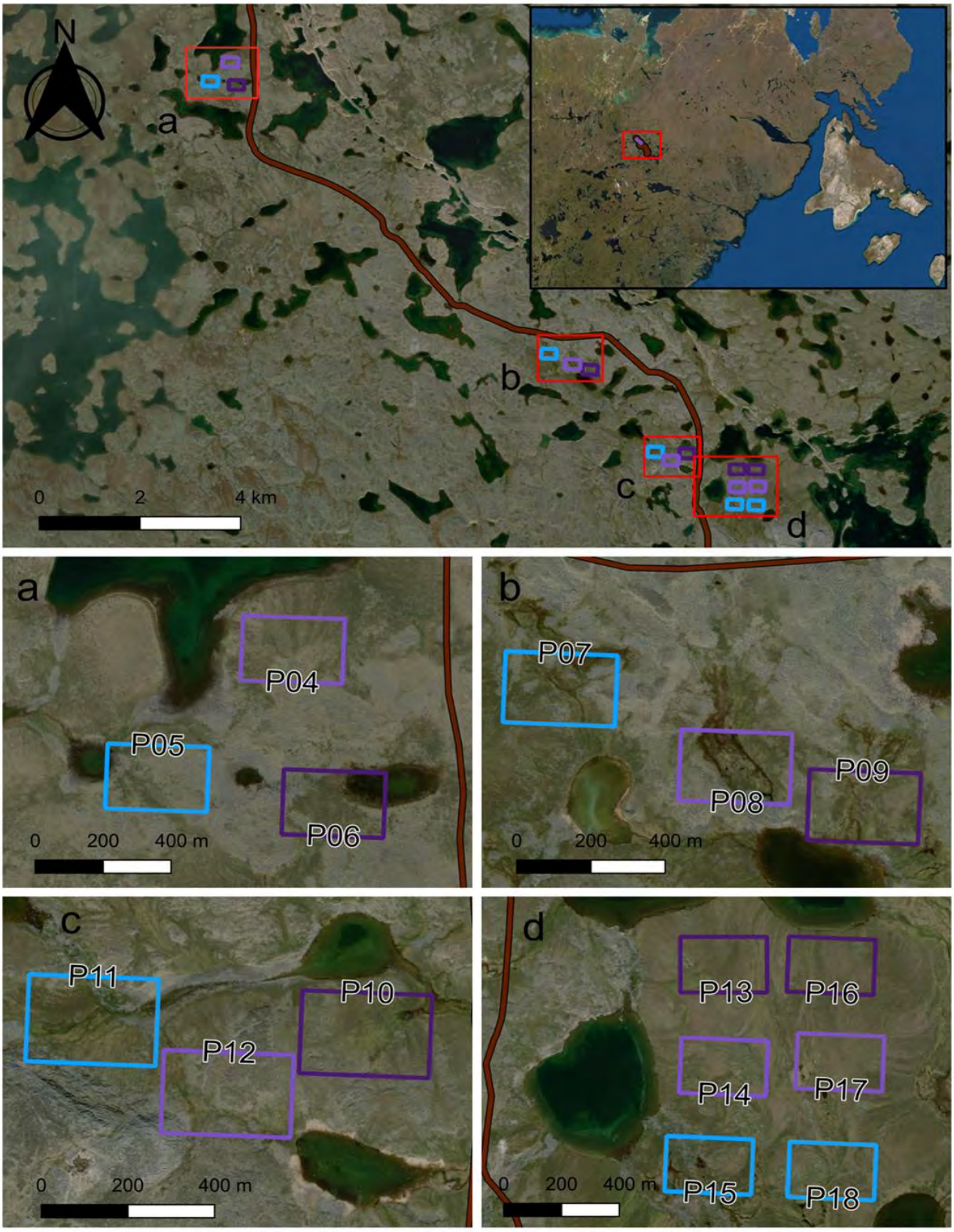


Figure 2: Map of study site Amaruq Road sites located north of Baker Lake, Nunavut along Amaruq Road between Amaruq Mine and Meadowbank Mine run by Agnico-Eagle Ltd. Top map shows the general study area, while the bottom four panels show the five groups of three plots, with dark purple representing High Intensity Treatment, light purple representing Low Intensity Treatment and light blue representing the Control. The site is split by location, with five separate clusters; (a) Cluster One includes plots 4, 5 and 6, (b) Cluster Two includes plots 7, 8, and 9, (c) Cluster Three includes plots 10, 11, and 12, and (d) Cluster Four, includes plots 13, 14, 15, and Cluster Five includes plots 16, 17, and 18.

Table 1: Description of the three treatment types deployed within the plots located within two study sites; the Amaruq Road Sites and Whale Tail Sites. Details include an outline of equipment, description of use, and frequency of use.

Treatment Name	Location	Deterrents Use
High Intensity Treatment	Amaruq Road Sites	• Audio Deterrents: "Super BirdXpeller ® PRO" by Bird-X, Inc. Speakers broadcasting all at once with recordings played randomly in non-sequential order, continuously for 24 hours at 10 - 30-minute intervals. • Hawk Effigy: "Peregrine Falcon Kite" by Margo Supplies. • Flash tape Grid: 20x20m grid.
Low Intensity Treatment	Amaruq Road Sites	• Audio Deterrents: "Super BirdXpeller ® PRO" by Bird-X, Inc. Each speaker broadcasting one at a time with recordings playing in sequential order continuously for 24 hours at 5 - 10-minute intervals. • Hawk Effigy: "Birds of Prey Falcon Kite" by Sutton Agricultural Enterprises. • Flash tape Grid: None
Treatment	Whale Tail Sites	• Audio Deterrents: "Super BirdXpeller ® PRO" by Bird-X, Inc. Speakers broadcasting all at once with recordings played randomly in non-sequential order, continuously for 24 hours at 10 - 30-minute intervals. • Hawk Effigy: None • Flash tape Grid: 20x20m grid.

between the treatments and years, with 2019 (post-treatment) showing lower densities in the treatment plots but not the controls. Because plots were selected in groups of three, we added a random effect for group to the model to account for potential non-independence. We also included the number of hours spent nest searching and monitoring in the plots, as an offset to account for variable search effort. This offset accounts for potential bias that might have arisen because we spent more time in plots assigned as High Intensity Treatment than in other plots, because of the frequent need to maintain the deterrents. We conducted analyses on the following groups of birds: All four study species combined (Figure 3), shorebirds only (Semipalmated Sandpiper, *Calidris pusilla*; and Least Sandpiper, *Calidris*

minutilla) and individually for Lapland Longspur (*Calcarius lapponicus*) and Horned Lark (*Eremophila alpestris*). We excluded all other species with much lower rates of encounter from the analyses of male territory density.

Figure 3: Four main study species, left to right; Lapland Longspur, Horned Lark, Semipalmated sandpiper, Least sandpiper.

Objective 2. Flood Zone Impact Assessment

During the 2018 field season, the predicted flood site (Figure 4) was surveyed for nests between 24th and 25th of June and 29th June – 2nd of July for a total of 40 search hours. These surveys were conducted to obtain an estimate of the densities of breeding birds that would be exposed to the flooding event. The dates were towards the end of the nesting season, later than ideal, due to limited access to the sites. After the initial survey, we divided the Whale Tail site into four main flood zone areas (Figure 5). These areas were selected based on habitat quality (predominantly sedge meadow), and low elevation, and were most likely to support breeding birds that would be impacted by the flooding.

The 2018 survey consisted of four surveyors, each separated by 10 – 20 m, walking parallel to the edge of the lake, and within the proposed flood zone (as described in Appendix 6-F - Flooding During Phases report by Golder Associates and AEM). Surveyors walked together, while watching the ground, to observe flushing birds or other breeding activity. When a bird was observed, all surveyors stopped, and one or more surveyors attempted to find the nest by waiting for the bird to return to its nest, or by searching the area where the bird was initially observed. We used a Garmin© GPS to mark each nest found, and observations and notes were written in a field notebook. Nest locations were plotted in a

QGIS (3.16.0) to ensure that they fell within areas proposed for flooding. Nest densities around Whale Tail Lake were estimated based on nests found during the 2018 surveys, with an estimated 3.4 territories per hectare, within the proposed flood zone of 157 ha.

During the 2019 field season, the four Whale Tail site areas were divided into 2 separate plots of approximately 6 ha, with the addition of two adjacent plots outside of the predicted flood zone to be used as control plots (Figure 5). In each area, the two plots within the flood zone were assigned to either a deterrent treatment, or a no deterrent treatment. The deterrent treatment included a flash tape grid and audio deterrents. Deterrents were placed in the treatment plots (n = 4) between the 16 -17 June 2019. Plots outside the flood zone were considered control plots, with no deterrents applied and no flooding occurring. Whale Tail site plots were surveyed every four days, between the 16 June - 14 July, for a total of 148 search hours within the proposed flood zone and adjacent control plots.

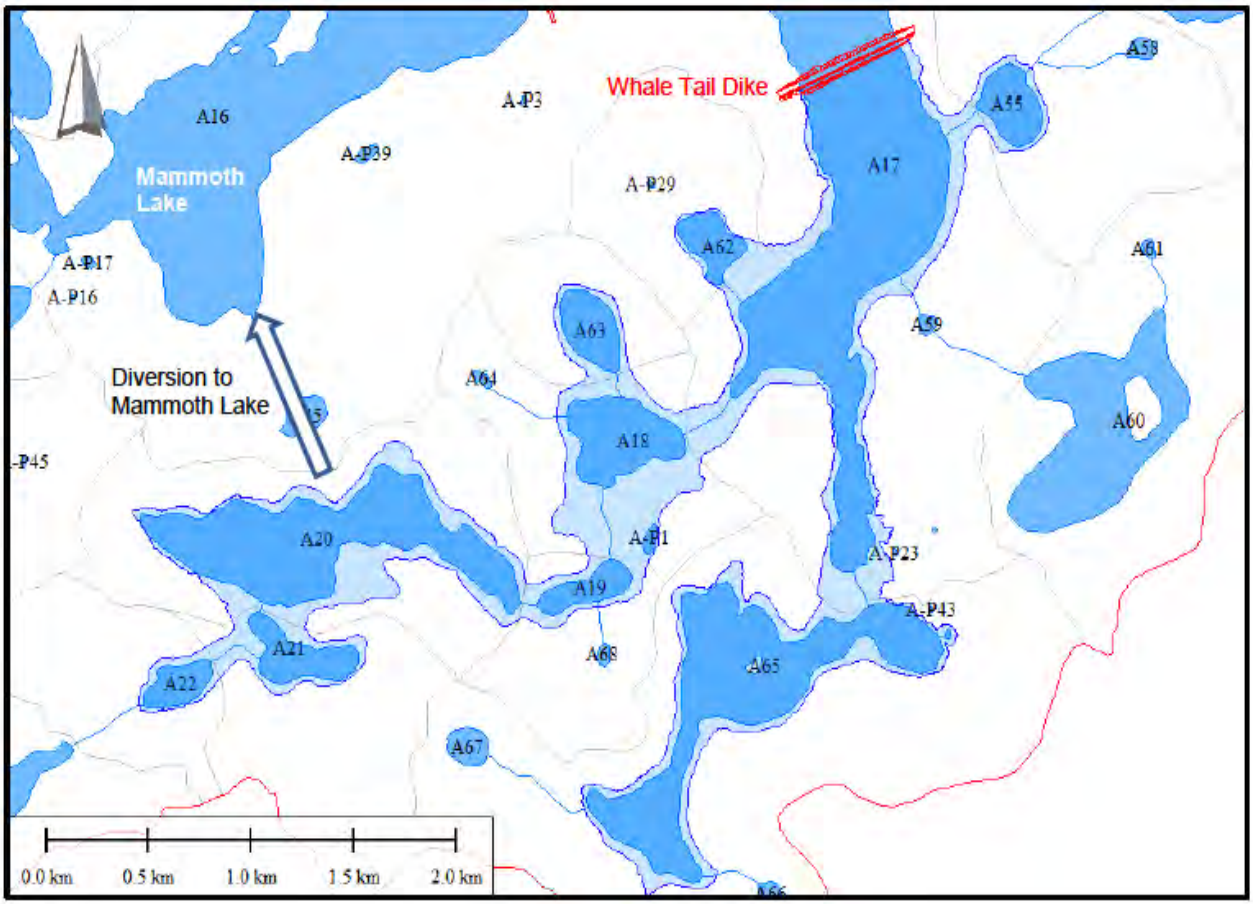


Figure 4: Map of Whale Tail Lake and its adjacent lakes and tributaries including the boundary of the proposed flood area in light blue. Taken from Golder Associates and Agnico Eagle Ltd. June 2016 Vol. 6 Freshwater Environment Report, Appendix 6-F, Flooding During Phases.

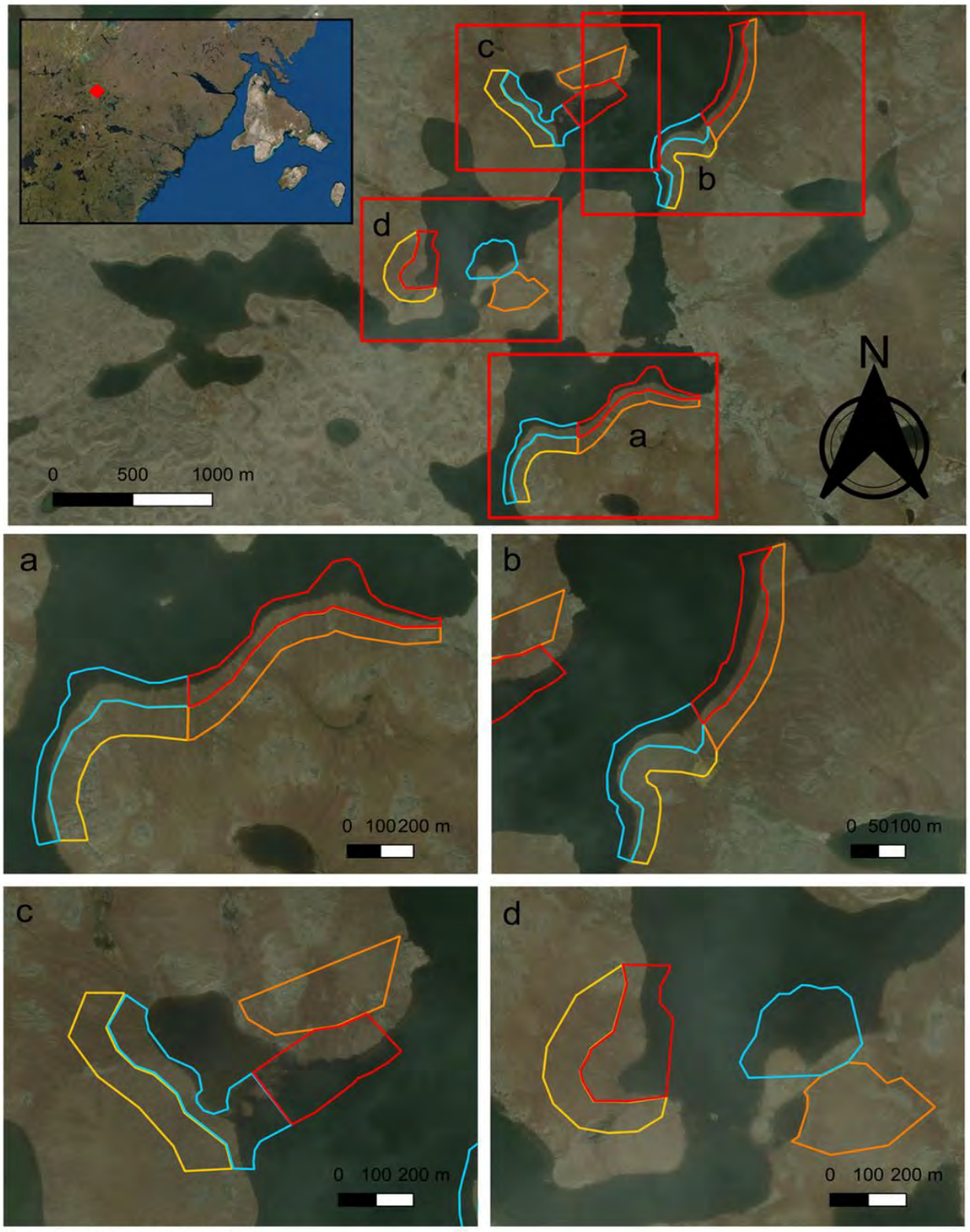


Figure 4: Map of study site Whale Tail Flood Area located north of Baker Lake, Nunavut, part of the Amaruq Mine and includes Whale Tail Lake and its tributaries. Top map shows the general study area, while the bottom four panels show the four groups of four plots, with red representing Treatment, blue representing Flood Control, yellow representing Control One, and orange representing Control Two. Sites are grouped into clusters based on treatment plots, (a) Whale Tail One, (b) Whale Tail Two, (c) Whale Tail Three, (d) Whale Tail Four. Source map is taken post-flooding of the southern basin of Whale Tail Lake. Plot outlines indicate the terrestrial area perimeter pre-flooding in 2018.

Objective 3. Birds' Behavioural Responses to Deterrents

Nest and Territory Monitoring

Monitoring of nesting birds occurred throughout the 2019 breeding season between 6 June - 14 July, within the experimental plots and the flood zone sites. There were four main study species: Lapland Longspur (*Calcarius lapponicus*), Horned Lark (*Eremophila alpestris*), Semipalmated Sandpiper (*Calidris pusilla*) and Least Sandpiper (*Calidris minutilla*) (Figure 2). These species are the most abundant at the study sites, and the easiest species for both locating and monitoring nests, however we did monitor any nest found regardless of species. Territorial mapping occurred primarily at the beginning of the breeding season, once male birds arrived and began to sing and display. Mapping was done by observing the locations of displaying or singing males and marking the location with a waypoint using a Garmin© GPS. A minimum of 10 points were recorded during each visit to the territory.

Nest searching occurred by systematically walking plots and observing behavioural cues of breeding adults (e.g., flushing, mate courtship, alarm calls). Upon discovery of a nest, it was marked with a tongue depressor 5m from the nest in a random direction, labeled with a nest name, along with the distance and bearing to the nest from the marker. We recorded the exact coordinates of the nest using the "average waypoint" function within the GPS unit, the species, number of eggs present, and date found. Nests were visited approximately every 4 days until fates were determined. Methods to assess nest fate depended on the life history of each target species. For species with precocial young (i.e., *Calidris sp*.), nests with at least one hatched egg were considered successful, whereas for species with altricial young (i.e., Passerines), nests with at least one fledged young were considered successful. Signs of predation

(loss of a whole clutch, nest disturbance, large eggshell fragments or yolk) or abandonment (no sign of adults or cold eggs) indicated failed nesting attempts (Mabee 1997).

Twenty Lapland Longspur nests received a temperature logger to monitor patterns in incubation behaviour. Ten nests were monitored within treatment plots, and ten in control plots. Temperature logger data were screened for outliers from equipment failure, and then analyzed with the use of RHYTHYM (1.0; Cooper and Mills 2005) and Raven Lite (2.0) to determine the number of off-bouts for each individual bird. I assessed if there was a significant difference in the proportion of off-bouts and number of off-bouts within a 12 hour period between nests in treatment and control plots, with the use of a linear mixed-effects model. Covariates for time of day (day or night per 12 hour period), average ambient temperature (per time of day), nest concealment, clutch size, and stage of incubation cycle were included in the model, and these variables are all known to potentially impact incubation schedules (Camfield and Martin 2009).

Marking and Re-sighting

In 2018, birds of the four focal study species found within the predicted flood area were captured with the use of a bow net at the nest and banded with individual colour markers. By resighting these individually marked birds, we could determine whether birds banded in 2018 within the predicted flood were dispersed to nearby non-flooded areas due to flood impacts, potentially increasing the densities of birds in the adjacent control plots. Similarly, for nesting birds banded in the predicted flood areas in 2019, resighting allowed us to determine whether the disturbance from the treatment plots or the active flooding caused birds to re-nest in adjacent sites. Resighting occurred during every visit to the plots,

every four days throughout the season. We also planned to return to the study site in 2020 to re-sight previously banded individuals but were unable to due to the cancellation of field work.

We captured adults once their clutch was complete and the nest was in the incubation stage (i.e., the number of eggs in the nest was no longer increasing). We attempted to capture both members of the pair for species where both adult birds incubate (i.e., *Calidris sp*.). For species where only one adult incubates (i.e., Passerines), we captured the incubating bird, although in a few cases both adults were captured. When a bird was captured, we measured the head-bill length, tarsus length, and wing length to the nearest mm and weight in grams. All birds were banded with a standard Canadian Wildlife Service issued stainless-steel metal band that has a unique 10-digit number. In addition, Semipalmated Sandpipers received a white flag with a 3-letter alpha code, and a single plastic coloured band. Least Sandpipers received a white flag and 2 colour bands. Lapland Longspurs and Horned Larks were given a unique combination of 3 plastic colour bands. Band combinations were read from left to right as per standard protocol and were recorded when re-sighting a previously banded bird.

Results

Objective 1. Efficacy of Deterrents

Our results suggested that deterrents did not significantly impact male territory densities for the four study species combined, nor for the shorebird species only, or for Lapland Longspur (Figure 6 a-c). There was no significant treatment*year interaction term in the models for any of these groups of species (P's > 0.05), and the tendency was for higher densities, rather than lower densities, in the year with deterrent treatments. In contrast, Horned Lark territory density was significantly reduced in the High Intensity treatment in 2019, suggesting that Horned Larks avoided plots exposed to the High Intensity

deterrent treatment (Figure 6 d). These results demonstrate that intense deterrent treatments might be successful at reducing densities for some species but are not broadly effective at deterring all bird species from establishing territories and nesting.

Cost and Maintenance of Deterrents

Deterrent deployment occurred over multiple days, taking a total of 198 person hours to deploy over 10 treatment plots, not including the extra 120 hours to assemble and troubleshoot prior to deployment. In most cases, a crew of 6 – 8 people spent 4 hours deploying the flash tape grid within a single High Intensity Treatment 6-ha plot. Deterrent maintenance was done every 4 days, with the time spent in the plot ranging from 20 mins to 4 hours, depending on damage and needs. Examples of maintenance were ensuring that the hawk kite effigy poles were erect and that the kite was still intact, ensuring the fishing line holding together the flash tape grid was taut, and ensuring flash tape was not tangled around hummocks or brush. In some cases, the deterrents were so damaged that it took hours to repair or were completely and could not be repaired. For example, on multiple occasions, the flash tape grid was destroyed when caribou or muskoxen travelled through the plot, causing the entire grid to collapse and requiring re-deployment. This re-deployment took hours, and also demonstrated a possible risk to arctic wildlife, which may have become entangled in the flash tape and fishing line.

Costs for the audio and visual deterrents were also significant. The audio deterrent units (Bird-X Super Bird X-peller Pro) cost $509.99 CAD, with 14 purchased in 2019 for a total of $7,139.06 CAD. This cost included audio chips for each audio unit ($60.00 CAD each). To keep the batteries charged, so the audio deterrents would run for up to 6 weeks, we purchased 14 small solar panels, $89.99 CAD each, for a total of $1259.86 CAD. The 12V car batteries used to run the audio deterrents and hold the solar panel charge,

were donated by Environment and Climate Change Canada. Visual deterrent costs came to a total of $5,131.25 CAD, with Hawk Kite Effigies costing $524.75 CAD for 12 Hawk Kites, with Fiber glass poles (10) totaling $517.50 CAD and replacement strings (7) $42.00 CAD. Flash tape rolls were $5.40 CAD per roll, amounting to $1,917.00 CAD for 355 rolls. Fishing line was used to string the flash tape grid together, costing $850.00 for 34 rolls of 100lb Hercules PE Braided Fishing Line, 4 Strands. Finally, the Aluminum Angle used to erect the flash tape grid, with 640 pieces of 1 m long angles, cost $1,280.00 CAD. The complete cost of deterrents for the project was $13,529.17 CAD.

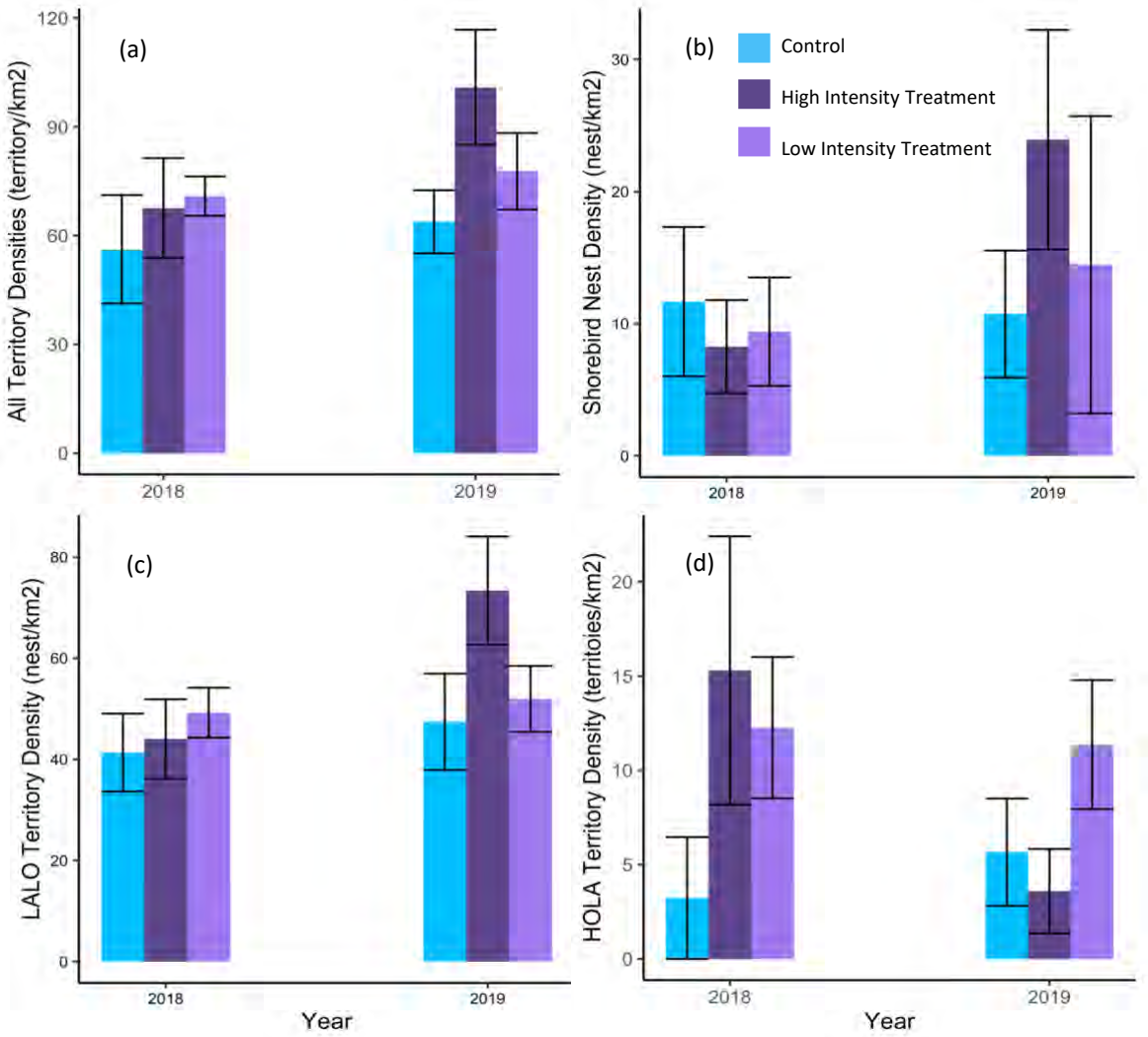


Figure 7: Male territory densities (territories/km^2 ± SE) before (2018) and after (2019) deterrent deployment of two deterrents treatments located in the Amaruq Road sites for, **(a)** All four species combined, **(b)** shorebird species only (Semipalmated Sandpiper and Least Sandpiper), **(c)** Lapland Longspur and **(d)** Horned Lark only. Please refer to Appendix III for exact mean male territory density (territories/km^2) numbers.

Objective 2. Flood Zone Impact Assessment

During the 2018 survey of the Whale Tail study area, we estimated 31 bird territories per km^2, with an average initiation date of 16 June. Given these dates, we concluded that the proposed flooding timeline outlined in Terrestrial Ecosystem Management Plan - Version 4, by Golder Associates, would flood nests along the shore of Whale Tail Lake. When we arrived at the Whale Tail sites in 2019, we estimated a vertical shoreline loss of 40 m (or about 1/3) of terrestrial land for plots within the proposed flood area, which occurred when Agnico Eagle Mines Ltd. flooded in late winter. Because of this loss, about half of the proposed flood area plots were under water prior to the nesting season. In 2019, control plots adjacent to the flooded plots, had an average density of 15.6 territories per km^2. The densities in the control plots surrounding Whale Tail Lake thus decreased by 10.9 territories per km^2 between 2018 (pre-flooding) and 2019 (post-flooding).

Figure 8: A Lapland Longspur nest with four eggs that was found within the Whale Tail Lake flood zone. It was found active, but later in the season became flooded.

During the flooding, we documented 6 nests of 3 species that were lost due to direct impacts of the high water. We estimate an average minimum loss of 3.8 nests per km^2 by taking the number of nests observed to be lost and dividing it by the total proposed flood zone of Whale Tail Lake (1.575 km^2), and a maximum loss of 19.7 nests per km^2 with an estimated density of 31 territories per km^2. The species nests that we observed to be flooded were Lapland Longspur (4; Figure 8), Semipalmated Sandpiper (1) and Herring Gull (1). Despite the nest loss due to flooding and a significant amount of habitat loss, nests

found within the proposed flood zone plots had an estimated nest success rate of 56% in 2019.

Objective 3. Bird Behavioural Responses

During the 2019 field season, 20 temperature probes were deployed in nests within the experimental treatment (n = 10) and control (n = 10) plots. Temperature probes measure birds' trips on and off the nest, which can offer a sensitive measure of disturbance. Results from temperature probe data suggested that, after controlling for environmental and temporal variation in incubation behaviour, birds exposed to deterrents had a significantly increased frequency of breaks in incubation ("off bouts") compared to birds in control plots (Figure 9), but no difference in the total proportion of time spent off

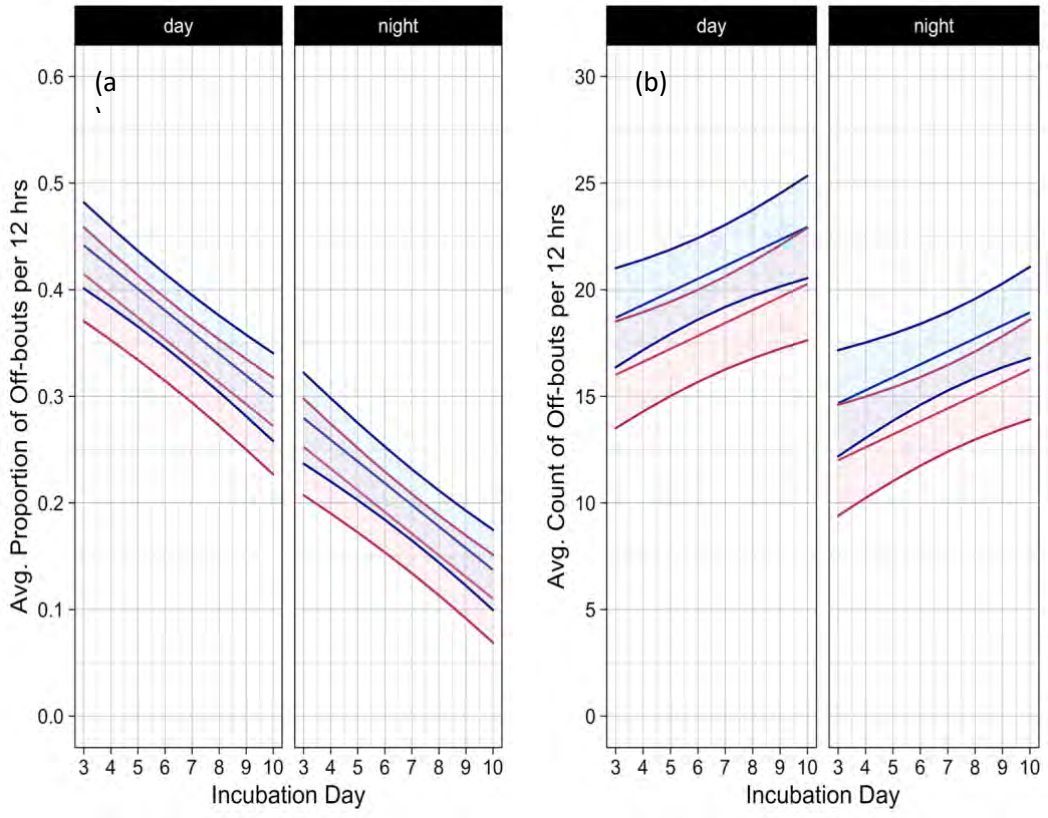


Figure 9: Predicted values from a linear model mixed effects model, with 0.95 confidence intervals, for proportion of off-bouts (a) and count of off-bouts (b) per 12 hour period split between day and night comparing nests within treatment (n = 10; blue line and fill) and control (n = 10; red line and fill) over incubation cycles from day 3 to 10.

the nest per 12 hour period (i.e., more and shorter incubation recesses). This suggests that birds in treatment plots were disturbed and pushed off their nest more often than birds nesting in control plots. However, despite these behavioural responses to disturbance from the deterrents, birds did not abandon nests, nor was their nest success impacted in comparison to birds nesting in control plots.

Birds nesting within the proposed flood zone were captured and banded with unique band combinations in both 2018 and 2019. A total of 13 female Lapland Longspur and 8 Semipalmated Sandpipers were banded in 2018, and only one Semipalmated Sandpiper was resighted in 2019, nesting in the same location as 2018. In 2019, a total of 17 female and 3 male Lapland Longspur and 13 Semipalmated Sandpipers were banded. In the same year, a single Lapland Longspur female re-nested after nest loss due to flooding, nesting approximately 125 m from the original nest and 50 to 100 m away from the proposed flood zone. The original nest was estimated to be lost during the nestling stage due to flooding between 1-3 July and we estimated that the bird initiated a new nest on 3 July.

Discussion

Based on the results of the deterrent experiment, we conclude that the deterrents deployed in this experiment had limited success at dissuading birds from nesting. Moreover, they were relatively cost- and labour-intensive to erect and maintain, relative to their effectiveness. Therefore, we do not recommend their use in future attempts to prevent nest loss of arctic-nesting birds. We are confident that the deterrents we used failed to deter birds from nesting in the flooded areas, resulting in the loss of nests due to mining-induced flooding. A small number of studies in other environments have documented the successful use of deterrents, with similar approaches to those used here. However,

several factors may have contributed to the limited success that we observed, including the birds' life history and the challenges of erecting deterrents sufficiently early in arctic environments.

Our sample is dominated by small, short-lived species such as the Lapland Longspur. These species may be especially reluctant to abandon or forego a breeding attempt in the presence of novel objects such as our deterrents, as they have fewer breeding opportunities compared to long-lived species. Previous studies have demonstrated the successful use of flash tape grids and other visual deterrents to prevent Piping Plover and Least Tern from nesting within gravel pits (Marcus et al. 2007). These species both respond to approaching predators with aggressive of evasive behaviours. In the case of our study, the placid Lapland Longspur showed no signs of obvious distress or disturbance during deterrent use. There were multiple occasions where a nest was found within 5 m of an audio deterrent speaker or directly under a piece of flash tape (Figure 10).

Erecting deterrents sufficiently early was also a challenge. The average nest initiation date in our study was the 13th of June, with the earliest initiation date estimated as the 6th June and the latest the 25th of June in 2019. Deterrents were erected 5-17th June, before 79 - 92% of nests were initiated in the plots where deterrents were deployed within the Amaruq Road Sites. Erecting deterrents this early was challenging; the frozen ground made it difficult to hammer the aluminum angle into the ground, and the melting snow made it difficult to ensure that

Figure 10: An extremely concealed Lapland Longspur nest with a piece of flash tape draped over it.

the audio deterrent speakers stayed upright. Deploying deterrents well before territories were established may have been most effective but would be even more logistically challenging. Erecting deterrents in the late winter and early spring, would mean that the extensive snow cover would obscure the location of ponds and other areas unsuitable for setting up equipment, and freezing temperatures could cause a variety of problems with icing of flash tape, battery failure and other issues.

During the experiment there were a few instances where deterrents were damaged or destroyed due to mammals. In some plots where we found Arctic ground squirrels (*Spermophilus parryii*) or Arctic hare (*Lepus arcticus*) we anticipated that there might be some damage to the wires associated with the audio deterrent units. Damage by Arctic ground squirrels occurred on one occasion when a speaker cord was chewed, but we noticed and replaced the cord quickly. A more concerning issue arose as there was some noticeable impact on large ungulate species such as caribou and muskoxen. There were multiple occasions where visual deterrents were destroyed by caribou or muskoxen walking through the treatment plots, causing aluminum poles to be ripped out of ground and carried away. There was a case where fishing line was found to have blood on it, possibly from a caribou who may have got the fishing line caught around their mouth. These concerns warrant investigation, perhaps through the use of time-lapse cameras near flash tape grids. And caution should be used if flash tape is to be deployed in areas frequented by large mammals.

In summary, our project demonstrates that arctic-nesting birds are not easily discouraged from nesting in their preferred locations and show limited responses to visual and audio deterrents. Based on the limited success, the cost of the equipment and the labour required to deploy and maintain, we would not recommend these methods for mitigating nest loss in the future. Plans for the project sought to

monitor the Whale Tail Lake site post-flooding to assess nest and territory density changes due to the terrestrial area's flooding. However, this was not completed in 2020 due to the Covid-19 pandemic and will not continue into the 2021 season and onward. This research will culminate with a four-chapter master's dissertation by Gill Holmes at Trent University, expected to be completed by May 2021.

References

A.T. Kearney, Inc. 2015. The Council Perspective: The Future of the Arctic. Global Business Policy Council 2(1).

Arctic Monitoring and Assessment Programme (AMAP). 2017. Adaptation actions for a changing arctic (AACA) – Baffin Bay/Davis Strait region overview report. Arctic Council.

Belayneh, A., T. Rodon and S. Scott. 2018. Mining economies: Inuit business development and employment in the eastern subarctic. The Northern Review 47: 59-78.

Bernath-Plaisted, J. and N. Koper. 2016. Physical footprint of oil and gas infrastructure, not anthropogenic noise, reduces nesting success of some grassland songbirds. Biological Conservation 204: 434-441.

Cameron, E. and T. Levitan. 2014. Impact and benefit agreements and the neoliberalization of resource governance and indigenous-state relations in northern Canada. Studies in Political Economy 93(1): 25-52.

Camfield, A.F. and Martin, K. 2009. The influence of ambient temperature on horned lark incubation behaviour in an alpine environment. Behaviour 146:1615-1633.

Cooper, C.B. and Mills, H. 2005. New software for quantifying incubation behavior from times-series recordings. Journal of Field Ornithology, 76(4):352-356.

Gajera, N.B., A.K.R. Mahato and V.V. Kumar. 2013. Status, distribution, and diversity of birds in mining environment of Kachchh, Gujarat. International Journal of Biodiversity.

Hassan, Y.A. 2016. The impacts of mining on arctic environment and society from corporate social responsibility and sustainable development perspectives; the case of Jokkmokk (Kallak) iron mines in northern Sweden. Department of Physical Geography, Stockholm University. 109 p. Accessed from: Diva Portal; Last updated 2016 Apr 29.

Hof, A.R., G. Rodríguez-Castañeda, A.M. Allen, R. Jansson and C. Nilsson. 2017. Vulnerability of subarctic and arctic breeding birds. Ecological Applications 27(1): 219-234.

Johnson, C.J., M.S. Boyce, R.L. Case, H.D. Cluff, R.J. Gau, A. Gunn and R. Mulders. 2005. Cumulative effects of human developments on Arctic wildlife. Wildlife Monographs 160: 1-36.

Mabee, T.J., Wildman, A.M., and Johnson, C.B. 2006. Using egg flotation and eggshell evidence to determine age and fate of Arctic shorebird nests. Journal of Field Ornithology 77(2):163-172.

Marcus, J.F., Dinan, J.J., Johnson, R.J., Blankenship, E.E., and Lackey, J.L. 2007. Directing nest site selection of Least terns and Piping plover. Waterbirds, 30(2): 251-258.

Parliament of Canada, House of Commons. Migratory Birds Convention Act, 1994. S.C. 1994, c. 22. [Online]. Justice Law Website (CA); 2018 Nov 19. Available from https://laws-lois.justice.gc.ca/eng/acts/m-7.01/

Reijnen, R., R. Foppen and G. Veenbaas. 1997. Disturbance by traffic of breeding birds: evaluation of the effect and considerations in planning and managing road corridors. Biodiversity and Conservation 6(4): 567-581.

Smith, P.A., Gilchrist H.G., Forbes, M.R., Martine, J.L. and Allard, K. 2010. Inter-annual variation in the breeding chronology of arctic shorebirds: effects of weather, snowmelt and predators. J. Avian Bio. 41(3): 292-304.

Wauchope, H.S., J.D. Shaw, Ø. Varpe, E.G. Lappo, D. Boertmann, R.B. Lanctot and R.A. Fuller. Rapid climate-drive loss of breeding habitat for Arctic migratory birds. Global Change Biology 23(3).

Williamson FSL. 1968. Alaska longspur. In: Austin OL Jr (ed) Life histories of North American cardinals, grosbeaks, buntings, towhees, finches, sparrows, and allies. US National Museum Bulletin 237, part 3. pp 1608-1627

Wilson, R.R., J.R. Liebezeit and W.M. Loya. 2013. Accounting for uncertainty in oil and gas development impacts to wildlife in Alaska. Conservation Letters 6(5): 350-358.

APPENDIX I

Table 2: Mean male territory density (territories/km^2) of the four main study species combined, found within the Amaruq Road Site plots, 2018 and 2019.

	2018	2019
Control	56.2	63.8
High Intensity Treatment	67.6	104.1
Low Intensity Treatment	70.9	77.8

Table 3: Mean male territory density estimates (territories/km^2) of shorebirds (Semipalmated Sandpiper and Least Sandpiper) found within the Amaruq Road Site plots between 2018 and 2019.

	2018	2019
Control	11.6	10.7
High Intensity Treatment	8.3	23.9
Low Intensity Treatment	9.4	14.5

Table 4: Mean male territory density estimates (territories/km^2) of Lapland Longspur nests found within the Amaruq Road Site plots between 2018 and 2019.

	2018	2019
Control	41.3	47.4
High Intensity Treatment	44.0	76.6
Low Intensity Treatment	49.2	51.9

Table 5: Mean male territory density estimates (territories/km^2) of Horned Lark found within the Amaruq Road Site plots between 2018 and 2019.

	2018	2019
Control	3.2	5.6
High Intensity Treatment	15.3	3.6
Low Intensity Treatment	12.2	11.3

APPENDIX F

All Helicopter Flights Logged in 2020

Table 1: Helicopter Flight Days

Date	Total Distance Flown (nm)	Total Flight Hours
Summer Caribou Season (26 May to 21 Sep)		
18 June	9	5.14
20 June	116	2.54
21 June	32	2.64
24 June	209	9.27
25 June	125	5.61
26 June	192	5.08
27 June	102	5.49
28 June	65	1.57
29 June	169	5.78
30 June	331	3.94
1 July	149	3.45
2 July	266	8.44
3 July	109	2.7
4 July	188	6.36
5 July	190	5.35
6 July	189	4.63
7 July	469	8.9
8 July	296	7.09
9 July	496	8.28
10 July	318	5.33
11 July	305	6.12
13 July	78	3.43
14 July	117	11.12
15 July	333	11
16 July	116	2.33
17 July	358	9.09
18 July	357	10.29
19 July	674	10.24
20 July	143	2.29
21 July	227	6.29
22 July	84	4.32
23 July	88	9.82
24 July	207	10.15
25 July	218	8.97
26 July	280	8.65
27 July	533	9.02
28 July	293	4.83
29 July	296	6.34
30 July	181	6.68

Table 1: Helicopter Flight Days

Date	Total Distance Flown (nm)	Total Flight Hours
31 July	224	5.57
1 August	184	5.07
2 August	204	8.91
3 August	173	4.46
4 August	105	3.33
5 August	111	2.5
6 August	87	1.94
7 August	186	3.07
8 August	111	1.69
9 August	195	10.99
10 August	134	6.01
11 August	175	7.24
12 August	195	7.29
13 August	289	7.7
14 August	169	4.74
15 August	120	2.75
16 August	193	6.6
17 August	175	2.93
18 August	205	4.25
19 August	31	1
20 August	0	0.94
21 August	166	2.3
22 August	245	4.36
23 August	100	6.08
24 August	87	5.47
25 August	94	1.93
27 August	61	3.07
28 August	8	6.41
29 August	176	4.52
30 August	59	2.79
31 August	55	0.88
2 September	193	5.19
3 September	146	2.76
4 September	197	3.58
5 September	125	5.54
6 September	200	5.86
7 September	127	3.36
8 September	158	5.58
9 September	201	5.12
10 September	202	3.68

Table 1: Helicopter Flight Days

Date	Total Distance Flown (nm)	Total Flight Hours
11 September	130	3.56
12 September	261	9.28
13 September	226	4.78
14 September	182	4.11
15 September	273	7.56
16 September	220	4.18
17 September	276	7.46
18 September	234	3.35
19 September	141	4.44
20 September	129	2.04
21 September	227	6.8
Fall Caribou Season (22 Sep to 15 Dec)		
22 September	157	4.55
23 September	292	5.76
24 September	214	6.62
25 September	160	3.56
26 September	209	6.32
27 September	187	5.97
28 September	197	5.89
29 September	305	6.37
30 September	203	6.48
1 October	244	4.09
2 October	92	3.14
3 October	183	4.31
4 October	142	5.28
5 October	88	8.61
6 October	45	7.36
7 October	8	9.34
8 October	153	5.13
9 October	155	3.66
10 October	156	4.22
11 October	348	7.02
15 October	27	0.3
19 October	494	4.69
22 September	157	4.55
23 September	292	5.76
24 September	214	6.62
25 September	160	3.56
26 September	209	6.32
27 September	187	5.97

Table 1: Helicopter Flight Days

Date	Total Distance Flown (nm)	Total Flight Hours
28 September	197	5.89
29 September	305	6.37
30 September	203	6.48
1 October	244	4.09
2 October	92	3.14
3 October	183	4.31
4 October	142	5.28
5 October	88	8.61
6 October	45	7.36
7 October	8	9.34
8 October	153	5.13
9 October	155	3.66
10 October	156	4.22
11 October	348	7.02
15 October	27	0.3
19 October	494	4.69

APPENDIX G

Hunter Harvest Survey

MEADOWBANK MINE

2020 HUNTER HARVEST STUDY AND CREEL SURVEY SUMMARY REPORT

FINAL

Table of Contents

List of Tables

List of Figures

List of Appendices

SECTION 1 • EXECUTIVE SUMMARY

A Hunter Harvest Study (HHS) conducted from 2007 to 2015 was relaunched in 2019 and continued into 2020. The study included more than 60 participants of which 43 reported harvesting Caribou. Given an estimated 300 to 350 active hunters in the Hamlet of Baker Lake, the HHS represents from 12 to 14% of hunters in the community. With a total reported Caribou harvest of 652 in 2020, the total Caribou harvest in Baker Lake is estimated to range from 4,657 to 5,433 Caribou. This estimate is likely high because the current study attracted some of the more successful hunters (e.g., Baker Lake Hunters and Trappers Organization members) in the community.

Compared to other years, Caribou were harvested at a lower percentage within 5 km of the All-Weather Access Road and within the Regional Study Area. As such, harvest levels in 2020 in close proximity to mining facilities were well within threshold levels.

Lake Trout and Arctic Char were the most common species caught by fisherman. Unlike 2019, very few Lake Whitefish were caught, which may be due either to a decline in fishing effort in winter (e.g., nets set under the ice) and/or lower abundance of this species.

SECTION 2 • OVERVIEW

As outlined in the original TEMP (Cumberland 2006) and the June 2019 version (Agnico Eagle 2019), and as a requirement of NIRB Project Certificate No. 004 Terms and Conditions 51 and 54, the Baker Lake Hunter Harvest Study (HHS) was initiated in March 2007 by Agnico Eagle. The HHS was conducted in association with the Baker Lake Hunters and Trappers Association (HTO) to monitor and document the spatial distribution, seasonal patterns, and harvest rates of hunter kills and angler catches within the Meadowbank Regional Study Area (RSA).

After low participation during the first year of the study, methods were strategically adapted, participation increased steadily, and valuable information on harvest patterns in the Baker Lake area was collected. The HHS, through regular visits, contributed to developing a strong relationship with local harvesters, the HTO, and the Government of Nunavut, Department of Environment (GN). Data were provided annually in monitoring reports from 2007 to 2015 and in 2019.

The HHS was suspended for three years (2016 and 2018) to develop new approaches and direction. Following consultation with the HTO, Kivalliq Inuit Association (KivIA), GN, and other agencies in November 2016 (Winnipeg) and June 2017 (Ottawa), Agnico Eagle reinitiated the HHS in March 2019. The study approach was similar to previous years but suggestions and guidance received during the consultation period were incorporated into the study. The study was conducted through 2020 and continues into 2021.

SECTION 3 • OBJECTIVES

The primary objectives of the HHS are to monitor potential project-related effects on harvesting of wildlife by residents of Baker Lake. This objective is achieved by estimating the following key metrics:

1. The distribution of Caribou, Muskox, and Wolverine harvest by residents of Baker Lake; and
2. The total level (or an index of) Caribou, Muskox, and Wolverine harvest by residents of Baker Lake.

Other objectives of the HHS established in consultation with the Terrestrial Advisory Group (TAG) or other participants include:

1) Supporting creel surveys by gathering information on Arctic Char (*Salvelinus alpinus*), Lake Trout (*Salvelinus namaycush*), Lake Whitefish (*Coregonus clupeaformis*), and Arctic Grayling (*Thymallus arcticus*) catch rates and Inuit-use patterns in the Baker Lake area;

2) Understanding regional distribution of hunting and fishing activity;

3) Investigating seasonal timing of hunting and fishing activity; and

4) Determining whether increased harvest and catch rates are associated with the Meadowbank All-Weather Access Road (AWAR) and Whale Tail Hail Road (WTHR).

As discussed during consultation with stakeholders, the HHS will further seek to: a) increase and maintain the hunter participant rate in the future of the program; b) improve resource protection; c) improve hunter awareness and education; d) increase the integration of Inuit Qaujimajatuqangit and Traditional Knowledge; e) increase availability of data to support a collective approach to understanding wildlife harvest; and f) assist Agnico Eagle in mitigative actions and the GN in management decisions.

SECTION 4 • METHODOLOGY

The wildlife species that are the focus of the HHS are Caribou, Muskox and Wolverine; however, harvest data on other species, such as Wolf, Arctic Fox, geese and other birds is also collected. The few species in the study were deliberately chosen to make data entry and collection as simple as possible. To support creel surveys, data on fish harvest (Arctic Char, Lake Trout, Lake Whitefish, and Arctic Grayling) are also collected.

Inuit and non-Inuit residents, at least 16 years of age, are eligible to participate in the harvest survey. Harvest calendars are provided on a household basis rather than an individual basis in order to simplify data entry and collection, and reflect household hunting patterns. The harvest calendar is attractive and consists of local photographs of wildlife and Baker Lake residents (see **Appendix A** for 2020 calendar). Space is provided for each calendar day where harvest details can be documented. A map is provided at the end of the calendar that delineates a 4 km^2 UTM grid within the Baker Lake and Meadowbank areas. Each grid has a unique code to facilitate recording of information. When calendars are issued, participants or participating households are encouraged to write harvest details (e.g., number of animals, sex, age and location (i.e., grid code) for the appropriate date on the calendar.

Participants were interviewed in person only two times during the year (i.e., October 2020 and February 2021) by the harvest study coordinator. The lower number of visits in 2020 reflects logistical issues associated with Covid-19 (e.g., a mandatory 14-day quarantine was required in Winnipeg prior to travelling to Baker Lake). During the February 2021 interviews, remaining data from 2020 were collected. The purpose of the interviews is to ensure all harvest data are recorded on the calendars and collect incidental information to compliment calendar data, including notable Caribou movements, aggregations, and unique observations. Between interview periods, participants were often contacted by phone or social media to encourage recording of harvest data.

Features of the 2020 Hunter Harvest Study included: 1) increasing the amount of time researchers spent in the community interacting with participants on each visit; 2) building long-term relationships between participants and researchers; 3) increasing engagement with participants on social media platforms such as Facebook and Instagram; and 4) increasing incentives for participating in the study (e.g., gas vouchers and prizes).

SECTION 5 • HISTORICAL RESULTS

The Baker Lake HTO member list (provided by Ms. Joan Scottie [HTO Board Member] in 2008) consisted of 683 local area hunters/trappers/fishermen (collectively termed 'hunter' for the remainder of this memo), a number that has likely changed since then. The 2008 member count was a highly conservative (i.e., high) estimate of the number of individuals that hunt, trap or fish in the community as the list typically includes entire families. If just the heads of each household are counted, there were 389 potential hunters within the Baker Lake community in 2008. Although this value is still likely conservative (given that many of these individuals do not actively hunt or fish), the number is more comparable to the comprehensive 5-year Nunavut Wildlife Harvest Study (NWMB 2005) in which 336 Baker Lake hunters were contacted and interviewed.

Between 1996 and 2001, 18% of Caribou harvests were estimated to be within 5 km of the AWAR (prior to construction) and 67% of harvests occurred within the RSA (NWMB 2005). In the first year of the HHS study (2007), prior to completion of the AWAR, 34% of harvests were reported within 5 km of the AWAR alignment and 79% were recoded within the RSA. The HHS data (2007 to 2015, and 2019) fluctuated between 34 and 43% of reported harvest within 5 km of the AWAR, and between 64 and 85% within the RSA.

In 2008, 296 Caribou were reported as being harvested by Baker Lake HHS study participants. Harvest numbers steadily increased to 685 in 2011, and then decreased to 269 in 2014, the lowest reported harvest in seven years. In 2019, total Caribou harvested was 647, which was close to the high number recorded in 2011. Assuming that an average of approximately 10% of all Baker Lake hunters actively participated in the study (5% estimated for 2014), extrapolation of historical HHS values suggests approximately 3,000 to 6,000 Caribou are harvested each year in the Hamlet of Baker Lake. These estimates are in general agreement with historical harvest studies. Specifically, using the upper limit of the standard error in the Nunavut Wildlife Harvest Study, between 2,230 and 3,116 Caribou were harvested each year between 1996 and 2001 (NWMB 2005). Similarly, the Interdisciplinary Systems (IDS) report (IDS 1978) estimated an annual Caribou harvest in Baker Lake of 4,100 during the 1970s.

Based on the NWMB (2005) and HHS results (2007 to 2015, and 2019), highest Caribou harvests have occurred in September and October, with a second smaller peak in March and April. The similar pattern between the studies indicates that seasonal hunting preferences have not changed markedly in the last decade.

Reported harvests of Muskox and Wolverine remained low, precluding any interpretation of potential mine-related effects. Low densities of these species and their general aversion to humans require hunters to hunt well away from the AWAR; therefore, the presence of the AWAR is thought to have little effect on participant hunting patterns for Muskox and Wolverine. Wolverine harvest reports decreased from a maximum of 15 animals in 2010 to one (1) animal in 2015; however, in 2019, reported Wolverine harvests were at an all-time high of 18 individuals.

SECTION 6 • 2020 HUNTER HARVEST STUDY RESULTS

6.1 NUMBER OF HUNTERS

The HHS included 64 participants by the end of 2020. Of these, Caribou harvest data had been collected from 43 participants, which is considerably higher than the 28 participants that reported Caribou harvests in 2015, and slightly higher than the 42 hunters reporting harvests in 2019.

Based on the previous discussion of total numbers of hunters in the Hamlet of Baker Lake (**Section 5 Historical Results**), there were 389 potential hunters within the Baker Lake community in 2008. The number is comparable to the comprehensive 5-year Nunavut Wildlife Harvest Study (NWMB 2005) in which 336 Baker Lake hunters were contacted and interviewed. Discussions with Baker Lake HTO members in 2019 suggest the total number of hunters is over 300. Given the historical and current number of hunters in Baker Lake, an estimate of 300 to 350 active hunters is used in this analysis. Based on these numbers, the 43 hunters reporting Caribou harvest in 2020 conservatively represent from 12 to 14 % of total hunters in the community.

6.2 DISTRIBUTION OF HUNTING

Figure 6.1 shows the distribution of Caribou harvest within the HHS data collection area. Hunting is concentrated along the northern and southwestern ends of Baker Lake and along the AWAR to approximately KM 85. Limited harvests were reported along the Thelon River system in the vicinity of Schultz and Aberdeen lakes, and along the Kazan River near its mouth on Baker Lake. Annual variation in harvest location and intensity is attributable to numerous factors. For instance, many hunters have stated during informal discussions that they have a ‘favorite’ hunting area that they frequent each year. Some hunters have stated that they prefer hunting in ‘convenient’ locations, whereas other hunters prefer remote locations well away from frequented areas. A percentage of hunters also enjoyed partaking in long distance hunting trips over multiple days.

Between 1996 and 2001, 18% of Caribou harvests were estimated to be within 5 km of the AWAR (prior to construction) and 67% of harvests occurred within the RSA (NWMB 2005). In the first year of the HHS study (2007), prior to completion of the AWAR, 34% of harvests were reported within 5 km of the AWAR alignment and 79% were recorded within the RSA (see **Table 6.1**). The HHS data (2007 to 2015 and in 2019) fluctuated between 34 and 54% of reported harvest within 5 km of the AWAR, and between 64 and 85% within the RSA. The 2020 HHS data indicated that 30% of reported harvest occurred within 5 km of the AWAR, and 62% occurred within the RSA, representing the lowest proportion of Caribou harvested within 5 km of the AWAR since the road was built (see **Table 6.1**). One of the reasons for this may have been because of the large number of Caribou harvested in the vicinity of Baker Lake in fall 2020 (see **Figure 6.1**). As was the case in other years, threshold levels of 20% set for monitoring the effects of the Meadowbank mine development on the distribution of Caribou harvest were not exceeded (see **Figure 6.2**).

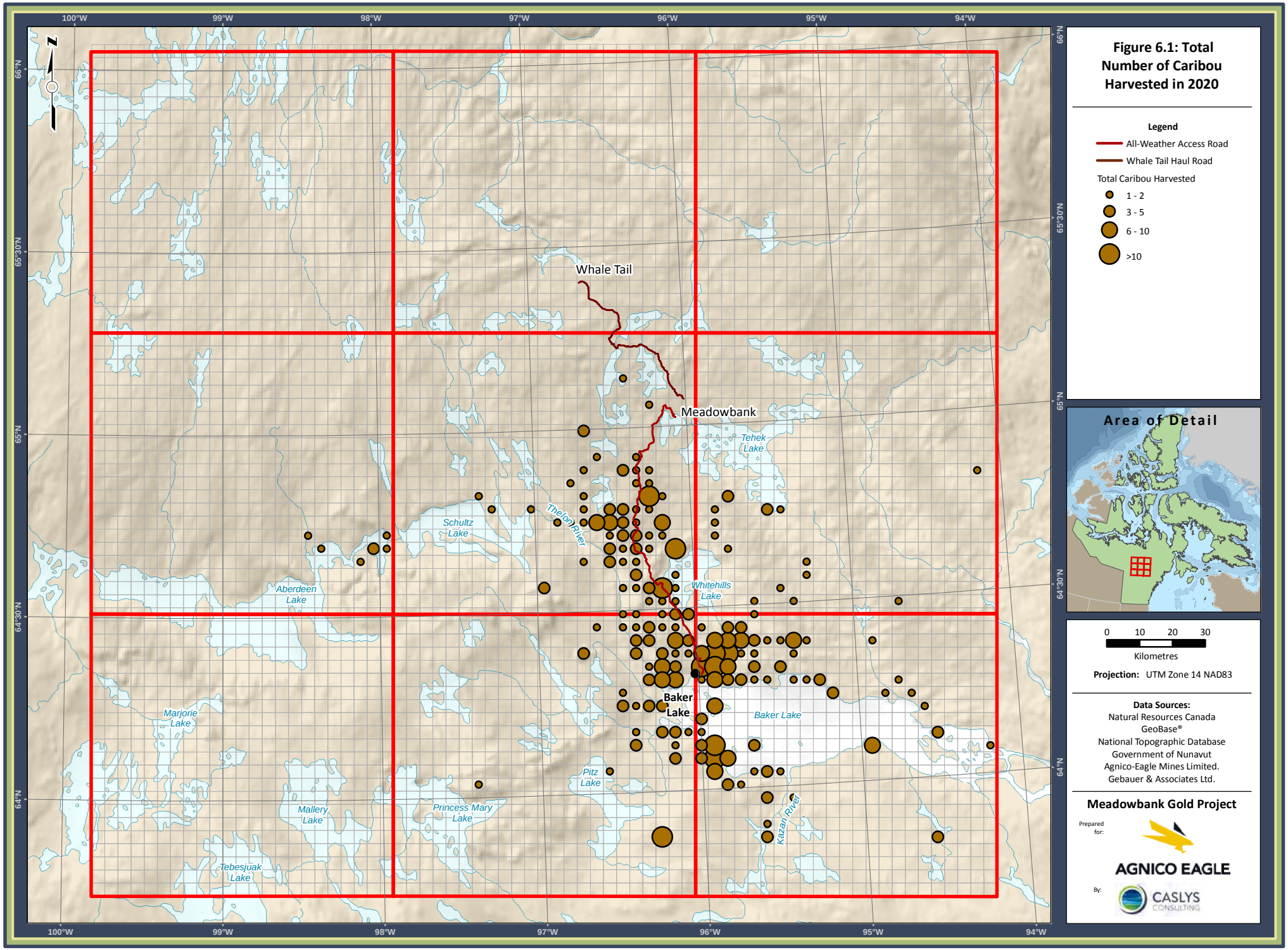


Figure 6.1: Total Number of Caribou Harvested in 2020
Legend
All-Weather Access Road
Whale Tail Haul Road
Total Caribou Harvested
1 - 2
3 - 5
6 - 10
>10
Area of Detail
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
Whale Tail
Meadowbank
Baker Lake
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Tebesjuak Lake
Kazan River
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N

Table 6.1: Caribou Harvest Distribution along the AWAR and within the Meadowbank LSA and RSA (1996 to 2001 [NWMB], and 2007 to 2015 and 2019 to 2020 [Baker Lake HHS]).

Study	Participation Rate within 5 km of AWAR (% of total hunters)	Average Caribou Harvest within 5 km of AWAR per participant	% of annual harvest within 5 km of AWAR	% of harvest within Meadowbank LSA	% of harvest within Meadowbank RSA
NWMB 1996 to 2001	n/a	n/a	18	7	67
Baker Lake HHS 2007	17 (49%)	4.8	34	12	79
Baker Lake HHS 2008	16 (94%)	6.9	37	28	73
Baker Lake HHS 2009	27 (75%)	7.9	36	20	78
Baker Lake HHS 2010	33 (89%)	7.3	38	22	73
Baker Lake HHS 2011	40 (85%)	7.1	42	25	74
Baker Lake HHS 2012	31 (67%)	5.6	35	20	80
Baker Lake HHS 2013	38 (86%)	4.8	43	27	85
Baker Lake HHS 2014	19 (70%)	5.7	40	28	83
Baker Lake HHS 2015	24 (67%)	6.9	54	34	84
Baker Lake HHS 2019	40 (95%)	5.4	34	22	64
Baker Lake HHS 2020	34 (79%)	5.8	30	19	62
Average (2007 to 2020)	29 (78%)	6.2	38	23	76

6.3 MAGNITUDE OF HUNTING

In 2020, a total of 652 Caribou were reported as being harvested by 43 participants (see **Table 6.2**). Given that the 43 hunters represent an estimated 12 to 14% of the Baker Lake hunting community, and assuming that the average number of Caribou shot per hunter is similar, the total estimated number of Caribou harvested in 2020 ranges from 4,657 to 5,433 animals, which is almost identical to estimates for 2019. This estimate is considered to be conservative (i.e., high) since the Baker Lake Hunter Harvest Study targeted known hunters in the community with some known to be particularly successful.

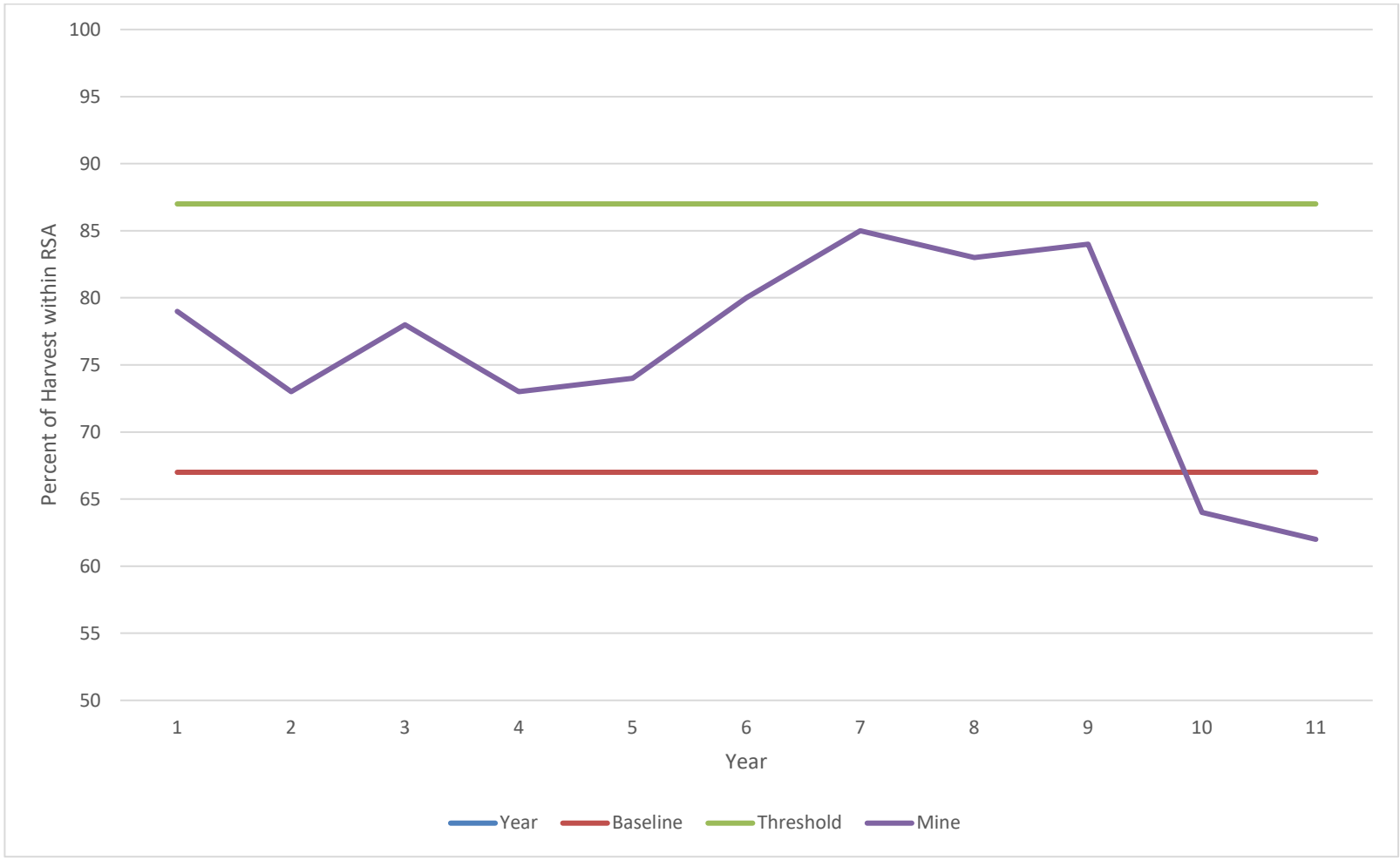


Figure 6.2: Percent of Caribou Harvest within the RSA from 2007 to 2015 (Years 1 to 9), and 2019 to 2020 (Years 10 and 11) Compared to Baseline and Threshold Levels.

Table 6.2: Hunter Caribou Harvest Statistics from the NWMB (2005) Study and Baker Lake HHS (2007 to 2015; 2019 to 2020).

Baker Lake Wildlife Harvest Study – Agnico Eagle Mines Ltd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Yearly Total
2007		7	89	22	44	6	6	6	37	14	5	2	238
2008	13	15	14	10	19	14	25	34	56	47	24	25	296
2009	42	52	41	28	28	18	30	88	114	102	11	33	587
2010	27	35	34	66	47	41	46	67	82	117	48	18	628
2011	14	47	64	53	78	39	42	35	123	108	2	75	680
2012	43	30	60	71	41	44	13	19	39	37	72	27	496
2013	5	47	55	28	18	18	20	46	76	40	35	32	420
2014	13	26	20	42	7	11	4	5	43	68	14	16	269
2015	7	9	17	13	6	46	12	8	66	74	35	12	305
2019	7	25	72	86	30	39	17	29	52	187	55	48	648
2020	6	14	8	14	12	16	18	95	119	151	88	111	652
Total #	177	307	474	433	330	292	233	432	807	945	389	399	5,218
Average	17.7	27.9	43.1	39.4	30.0	26.5	21.2	39.3	73.4	85.9	35.4	36.3	474.4
% of Total	3.4	5.9	9.1	8.3	6.3	5.6	4.5	8.3	15.5	18.1	7.5	7.6	100.0

Table 6.2: Continued.

Nunavut Wildlife Harvest Study - Nunavut Wildlife Management Board (NWMB)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Yearly Total
1996						141	190	490	428	435	202	178	2,064
1997	118	144	146	167	217	159	162	354	322	553	295	196	2,833
1998	137	124	192	193	159	85	163	153	272	407	254	135	2,274
1999	137	131	99	211	222	111	148	433	528	409	74	66	2,569
2000	96	86	75	135	213	76	187	333	309	98	186	163	1,957
2001	150	126	146	156	127								705
Total #	638	611	658	862	938	572	850	1,763	1,859	1,902	1,011	738	12,402
Average	127.6	122.2	131.6	172.4	187.6	114.4	170	352.6	371.8	380.4	202.2	147.6	2,067
% of Total	5.1	4.9	5.3	7.0	7.6	4.6	6.9	14.2	15.0	15.3	8.2	6.0	100.0

6.4 SEASONAL DISTRIBUTION AND TIMING OF HUNTING

Based on the NWMB (2005) and HHS results (2007 to 2015; 2019 to 2020), highest Caribou harvests have occurred in September and October, with a second smaller peak in March and April (see **Figure 6.3**). The similar pattern between the studies indicates that seasonal hunting preferences have not changed markedly in the last decade. More details on the seasonal timing of harvest in 2020 can be found in **Figure 6.4** (i.e., numbers of animals harvested, numbers of participants, and average number of animals harvested by participant by month) and **Figure 6.5** (i.e., Caribou harvest numbers by season and proximity to the access roads).

The seasonal distribution of hunting is illustrated in **Figure 6.1,** which includes all 2020 results, and **Figures 6.6a** to **6.6d**, representing the spring, summer, fall and winter Caribou seasons outlined in the TEMP. In spring, overall Caribou hunting was low with hunting occurring north of Baker Lake and along the Thelon River system (**Figure 6.6a**). During the summer, Caribou were harvested across a larger area but particularly along the AWAR, just northeast of the Hamlet of Baker Lake, and in areas along Baker Lake accessible by boat (**Figure 6.6b**). In the fall, hunting was much more concentrated along the AWAR and in the Baker Lake area (**Figure 6.6c**). The large numbers harvested just northeast of Baker Lake in the fall reflects the large herd of Caribou that moved through the area in the fall. Some hunting in the fall also occurred along the Kazan River near Baker Lake. In winter, very few Caribou were hunted along the AWAR (**Figure 6.6d**). Successful hunters were those that travelled further afield by snowmobile (e.g., southwest end of Baker Lake, and between Schulz and Aberdeen lakes).

6.5 OTHER WILDLIFE SPECIES

There were no reported harvests for Muskox in 2020, precluding any interpretation of potential mine-related effects. Wolverines (total of 22 in 2020 – the highest yearly tally to date) were hunted close to Baker Lake, north of Aberdeen Lake and in other remote areas (see **Figure 6.7**). Wolves (total of 88 in 2020) were either trapped close to Baker Lake or hunted in larger numbers north of Aberdeen Lake in winter (**Figure 6.7**). Relatively low densities of Wolves and their general aversion to humans requires hunters to hunt well away from the AWAR. The presence of the AWAR is thought to have little effect on participant hunting patterns for Muskox, Wolverine and Wolf.

Arctic Fox (total of 11 in 2020) was primarily trapped in the vicinity of Baker Lake and east of Whitehills Lake, while Red Fox were harvested near Baker Lake and south of Tehek Lake (**Figure 6.8**). Two Grizzly Bear were taken near Pitz Lake, while one was taken in the southeastern end of the study area (**Figure 6.8**). Birds (e.g., goose, duck, ptarmigan etc.) and their eggs were reported as being collected around Baker Lake and north of Princess Mary Lake (**Figure 6.9).**

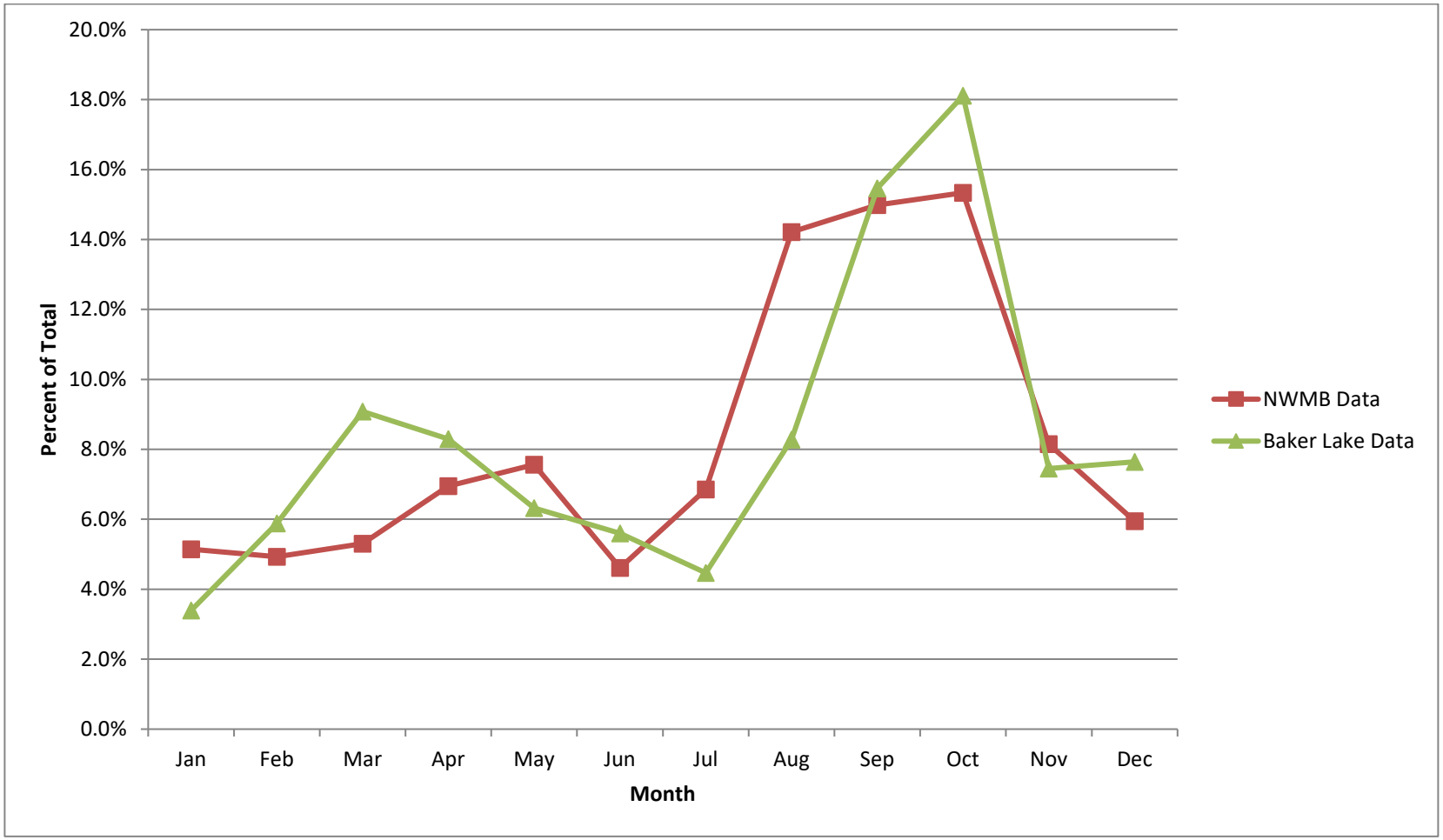


Figure 6.3: Seasonal Trends in Caribou Harvest from the Baker Lake Hunter Harvest Study (2007 to 2015; 2019 to 2020) and the NWMB Study (1996 to 2001)

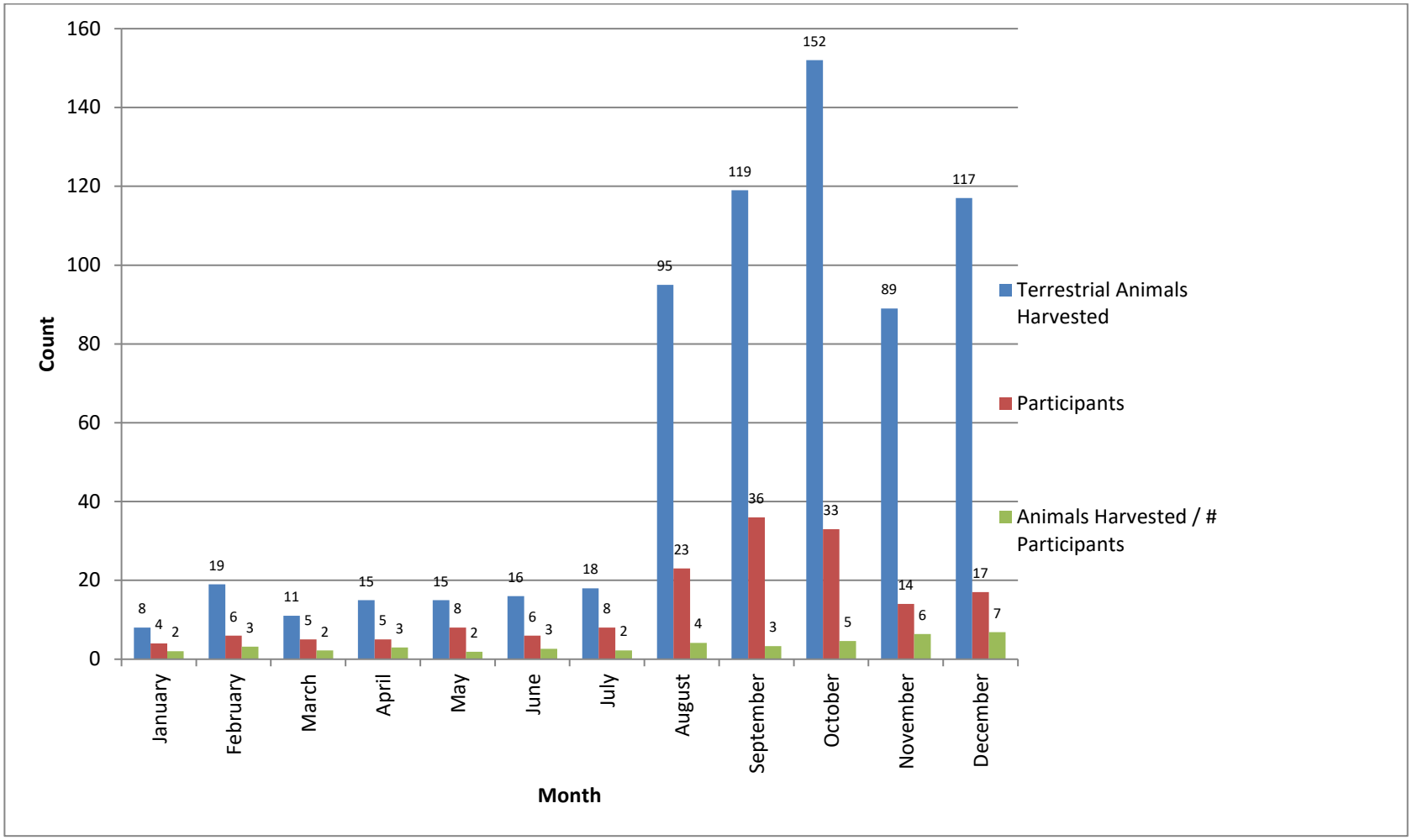


Figure 6.4: Terrestrial Animals Harvested per Month and by Participant in 2020.

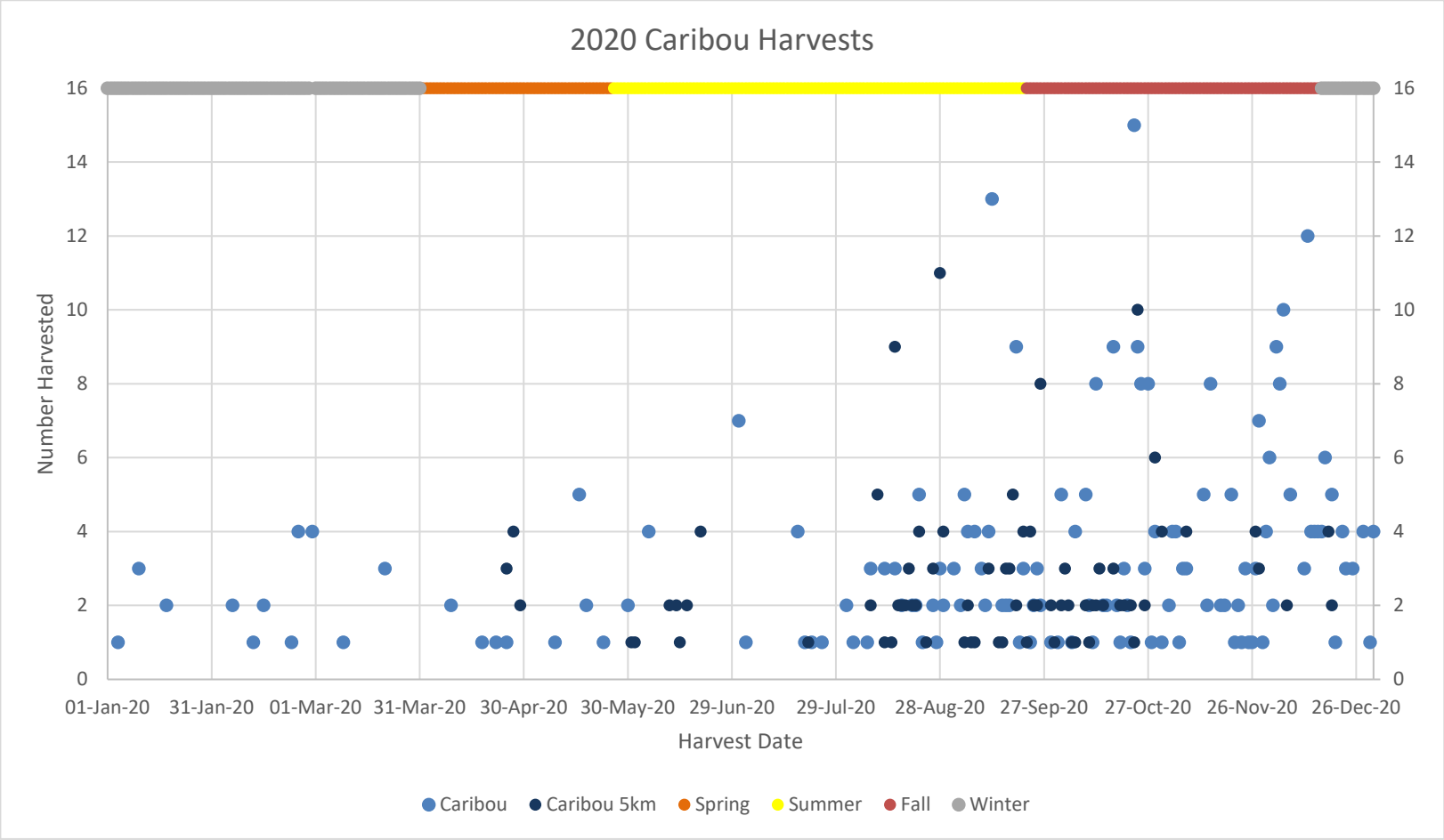


Figure 6.5: Number of Caribou harvested in each Caribou Season and Proximity to Access Roads in 2020.

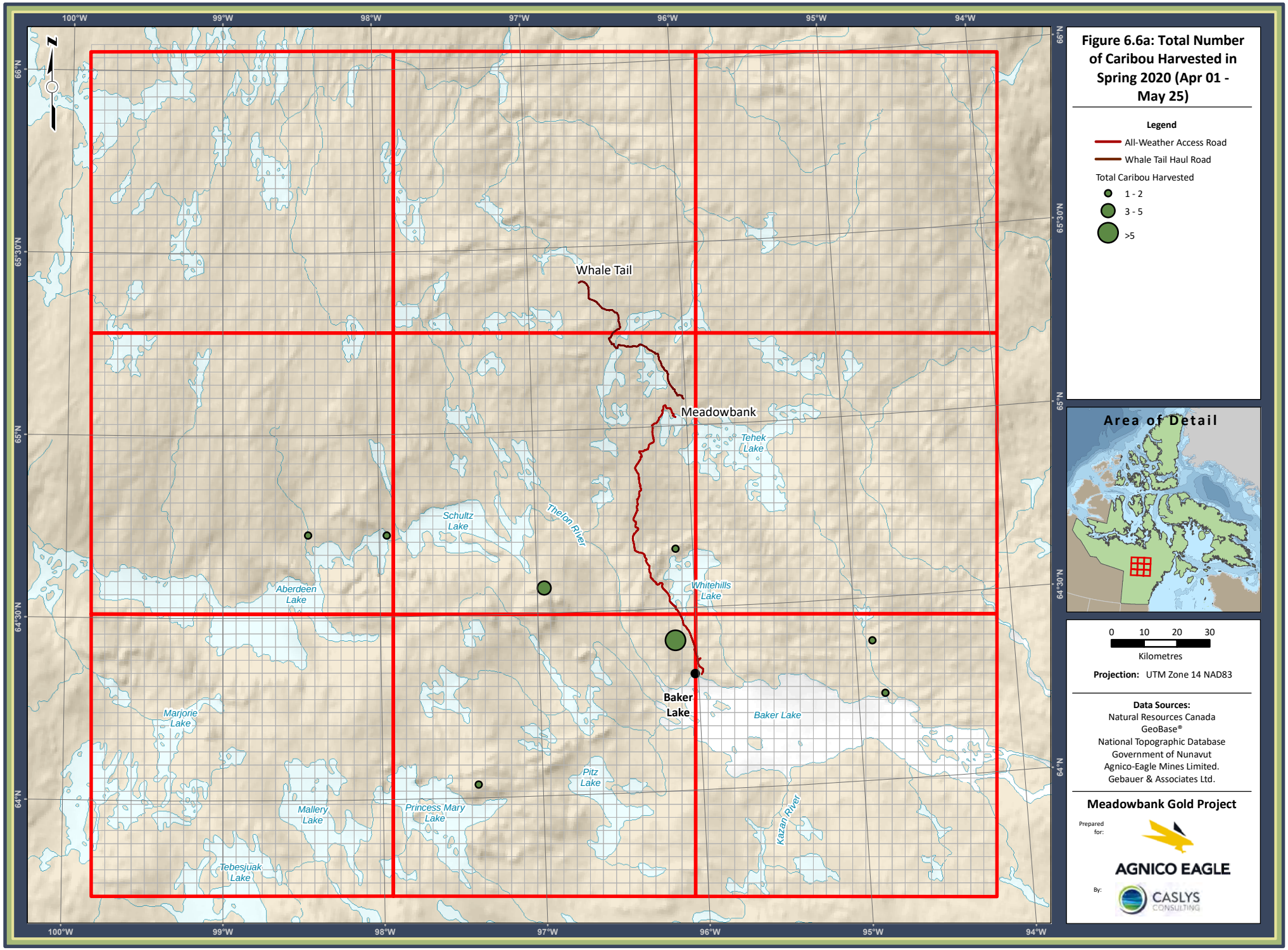


Figure 6.6a: Total Number of Caribou Harvested in Spring 2020 (Apr 01 - May 25)

Legend

- All-Weather Access Road
- Whale Tail Haul Road

Total Caribou Harvested

- 1 - 2
- 3 - 5
- >5

Area of Detail

0 10 20 30

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

Meadowbank Gold Project

Prepared for: AGNICO EAGLE

By: CASLYS CONSULTING

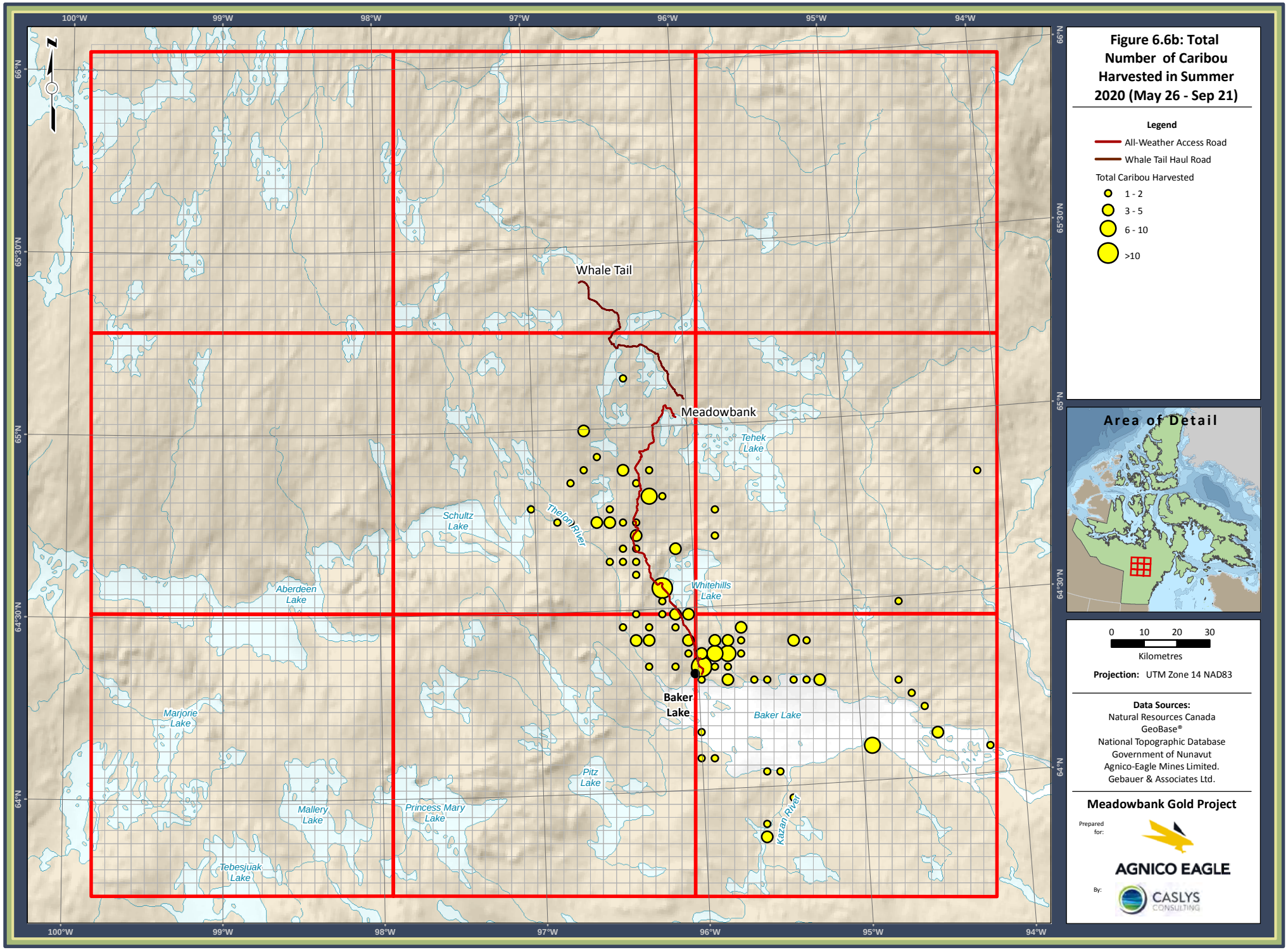


Figure 6.6b: Total Number of Caribou Harvested in Summer 2020 (May 26 - Sep 21)
Legend
All-Weather Access Road
Whale Tail Haul Road
Total Caribou Harvested
1 - 2
3 - 5
6 - 10
>10
Area of Detail
Whale Tail
Meadowbank
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING

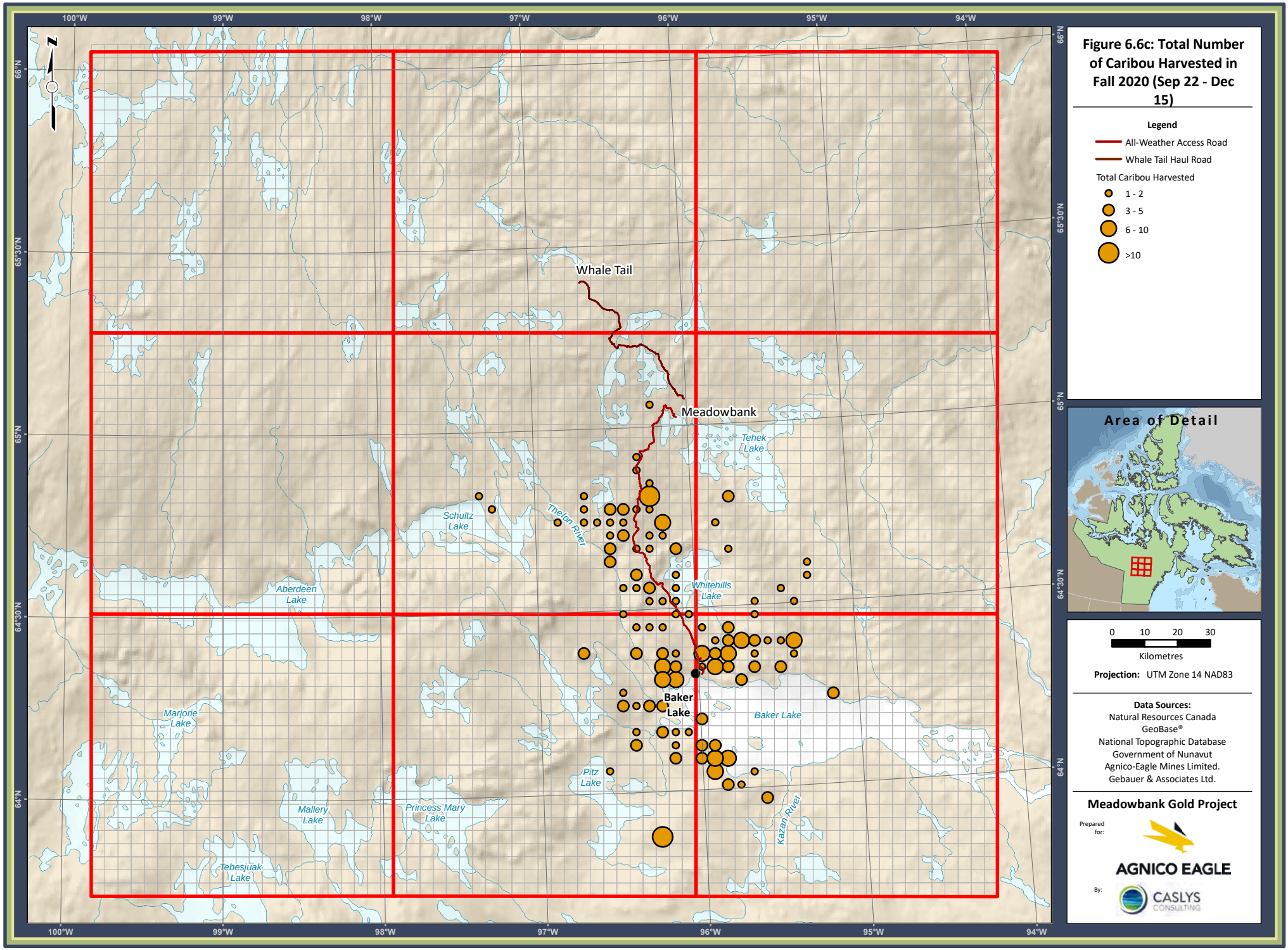


Figure 6.6c: Total Number of Caribou Harvested in Fall 2020 (Sep 22 - Dec 15)

Legend

- All-Weather Access Road
- Whale Tail Haul Road

Total Caribou Harvested

- 1 - 2
- 3 - 5
- 6 - 10
- >10

0 10 20 30

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

Meadowbank Gold Project

Prepared for: AGNICO EAGLE

By: CASLYS CONSULTING

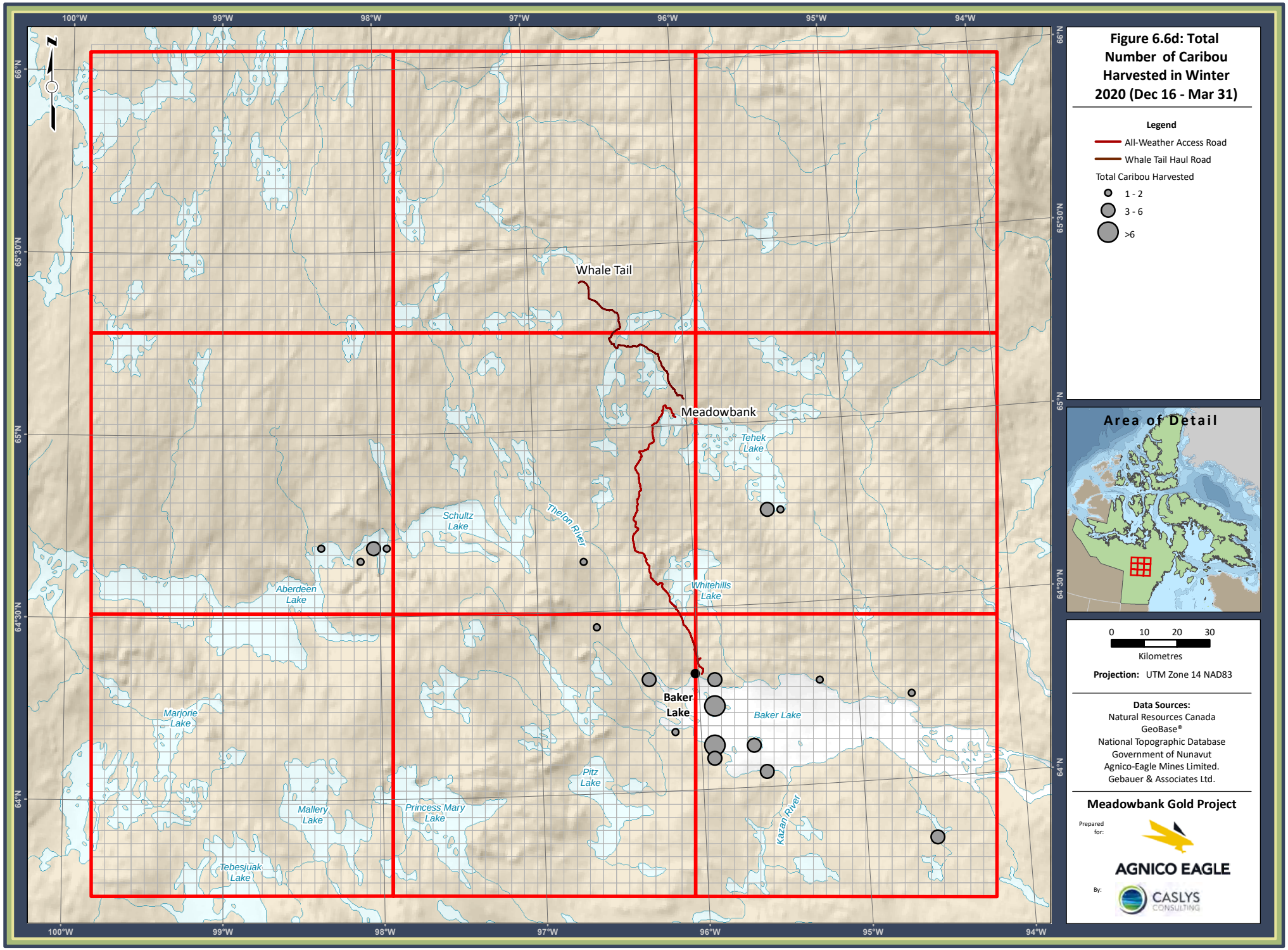


Figure 6.6d: Total Number of Caribou Harvested in Winter 2020 (Dec 16 - Mar 31)
Legend
All-Weather Access Road
Whale Tail Haul Road
Total Caribou Harvested
1 - 2
3 - 6
>6
Area of Detail
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
Whale Tail
Meadowbank
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N

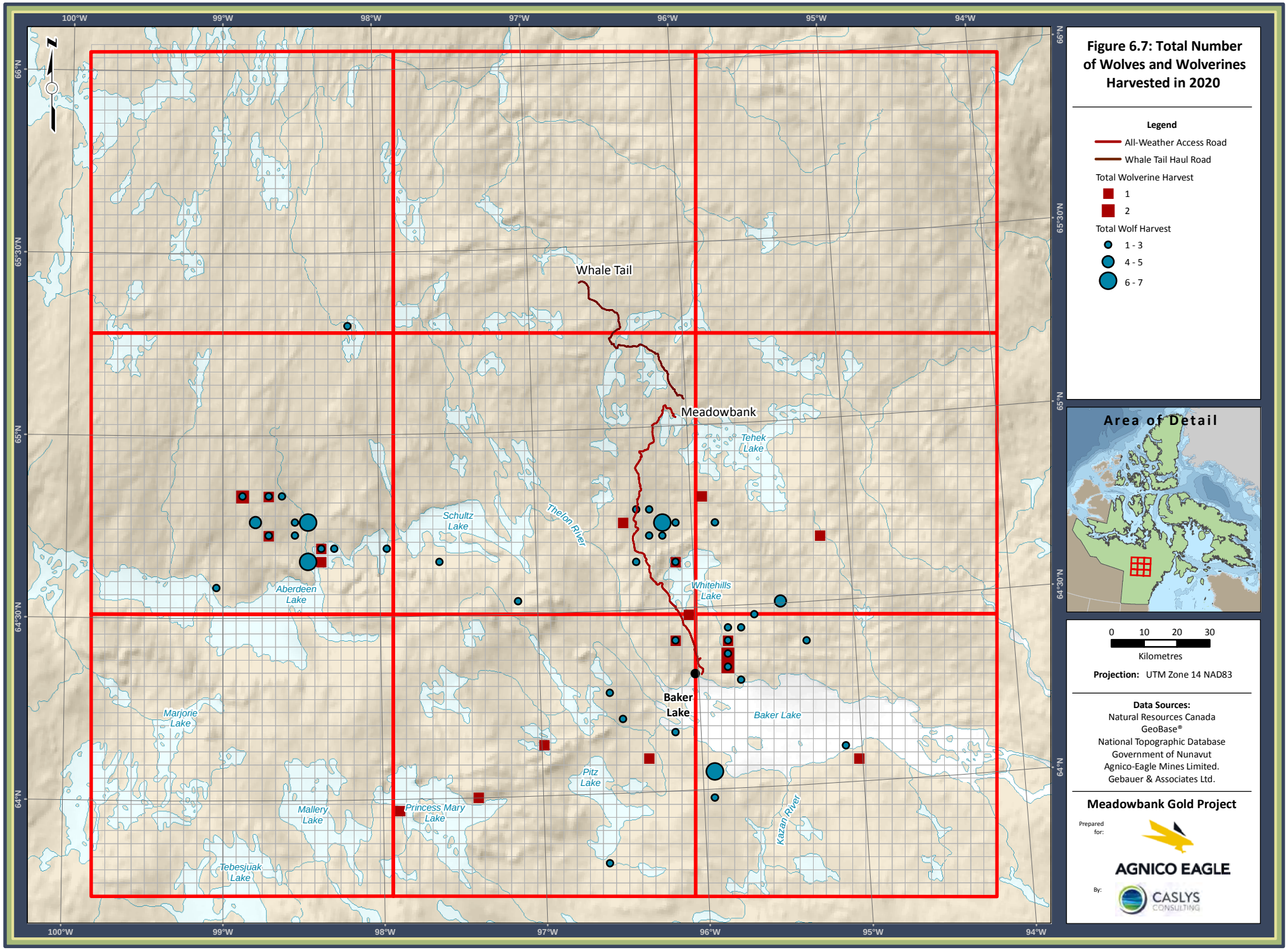
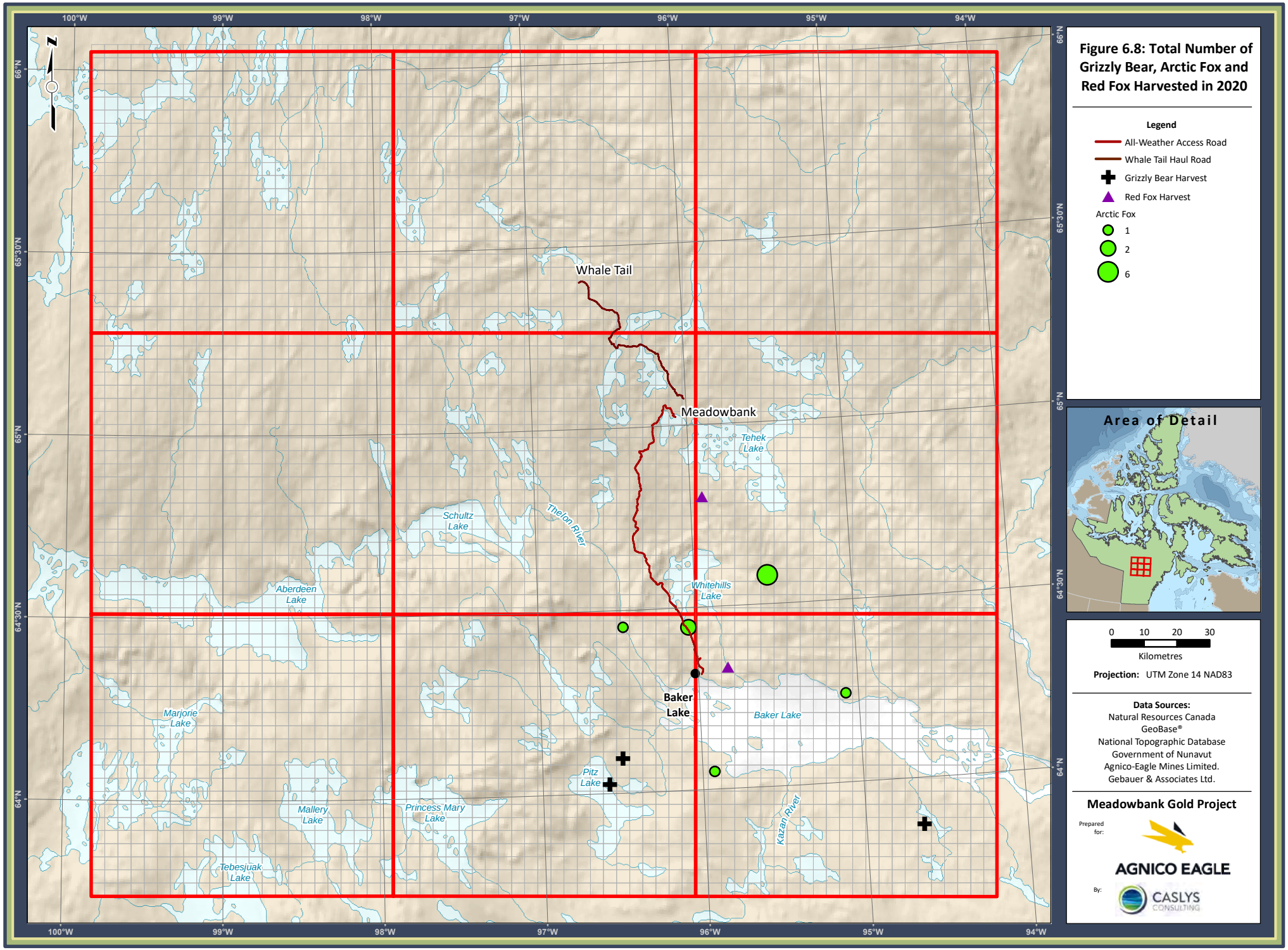


Figure 6.7: Total Number of Wolves and Wolverines Harvested in 2020
Legend
All-Weather Access Road
Whale Tail Haul Road
Total Wolverine Harvest
1
2
Total Wolf Harvest
1 - 3
4 - 5
6 - 7
Area of Detail
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
Whale Tail
Meadowbank
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N


100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N
Whale Tail
Meadowbank
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
Figure 6.8: Total Number of Grizzly Bear, Arctic Fox and Red Fox Harvested in 2020
Legend
All-Weather Access Road
Whale Tail Haul Road
Grizzly Bear Harvest
Red Fox Harvest
Arctic Fox
1
2
6
Area of Detail
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING

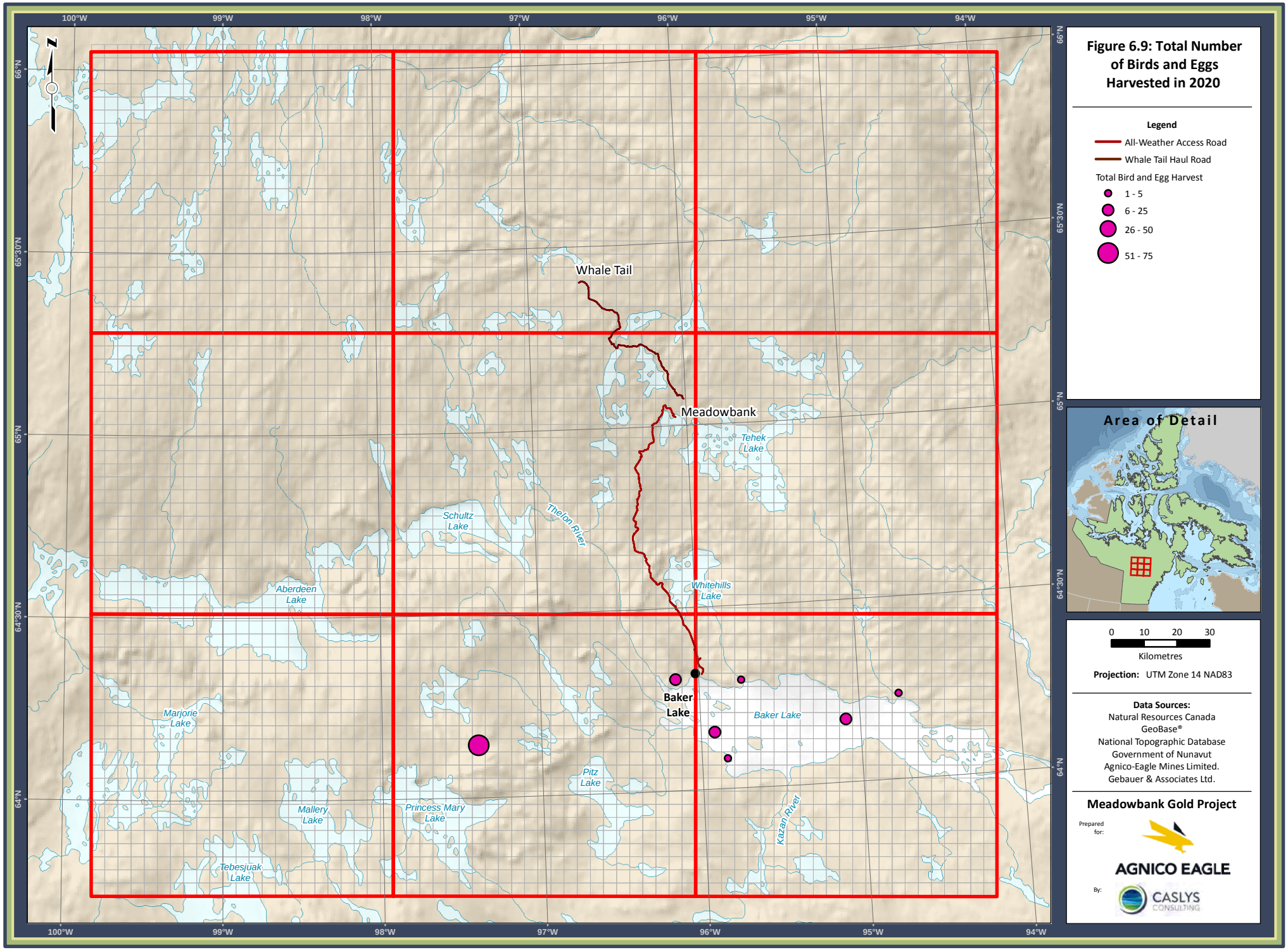


Figure 6.9: Total Number of Birds and Eggs Harvested in 2020
Legend
All-Weather Access Road
Whale Tail Haul Road
Total Bird and Egg Harvest
1 - 5
6 - 25
26 - 50
51 - 75
Area of Detail
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
Whale Tail
Meadowbank
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N

SECTION 7 • CREEL SURVEY RESULTS

7.1 NUMBER OF FISHERMAN

The number of fisherman reporting successful fishing trips in 2020 was 21, which is lower than the average of 23 fisherman from 2007 to 2015 and in 2019 (10 years), and lower than the 26 fisherman reporting success in 2019. The highest numbers of fisherman reporting success in 2020 were in the May to August period (see **Table 7.1**) (see **Section 7.4 Magnitude of Fishing**).

Table 7.1: Number of Fisherman in the Baker Lake Who have Recorded Fishing Success by Year and Month.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007			4	6	7	1	1		1			
2008	1	1	2	6	6	6	4	3			2	1
2009	2	2	5	10	9	9	9	6	1	8	2	2
2010			6	13	18	17	13	4	2	2	3	1
2011	1	3	6	15	21	18	9	6	2	9	9	5
2012	3	1	1	7	7	18	12	4	3	9	7	3
2013			2	5	4	11	9	1		2	1	1
2014	2	1	1	4	6	3	4	2		2	2	2
2015	1	1	1	2	9	8	6	2		3	4	2
2019	1	2	3	12	14	15	7	3	1	1	8	4
2020				1	6	9	9	5	1	4	3	
Total	**11**	**11**	**31**	**81**	**107**	**115**	**83**	**36**	**11**	**40**	**41**	**21**

7.2 COMPOSITION OF CATCH

Three fish species were reported as being caught in 2020: Arctic Char, Lake Trout and Lake Whitefish. The most common fish species captured, Lake Trout, represented 67% of the total catch in 2020, which was higher than the average of 55% from 2007 to 2015 and in 2019 (see **Table 7.2**). In 2019 interviews, some fisherman indicated that Lake Whitefish numbers in Baker Lake were particularly high in 2019. Lower numbers of Lake Whitefish caught in 2020 could be due to lower abundance and/or reduced fishing effort.

Table 7.2: Total Number of Fish Caught between 2007 and 2015, and 2019 to 2020.

Species	2020	2019	2015	2014	2013	2012	2011	2010	2009	2008	2007	Total
Arctic Char	75	89	41	22	96	24	113	103	117	24	3	632
Arctic Grayling			29			1	1	3	1			35
Lake Trout	219	900	370	353	490	1,014	1,710	860	525	825	210	7,257
Lake Whitefish	32	1573	1386	651	50	471	460	326	51	192		5,160
Unidentified Fish	2	119										119
Totals	**328**	**2,681**	**1,826**	**1,026**	**636**	**1,510**	**2,284**	**1,292**	**694**	**1,041**	**213**	**13,203**

7.3 DISTRIBUTION OF FISHING

Fishing trips, regardless of success rate, did not generally occur beyond the immediate areas of Baker Lake, Whitehills Lake, and along the AWAR (see **Figure 7.1**). Some fishing occurred along the Thelon River system and associated lakes (**Figure 7.1)** during the summer when these areas can be accessed by boat. Results indicate that study participants are less willing to travel long distances to catch fish, regardless of AWAR access, likely due to the abundance of fish in close proximity to the Hamlet of Baker Lake.

7.4 MAGNITUDE OF FISHING

Unlike in 2019, the average number of fish harvested per fisherman was highest in the summer months (**Figure 7.2**). In 2019, the high winter numbers reflected the high catches of Lake Whitefish and Lake Trout caught in nets set under the ice. In 2020, the most commonly captured fish species, in order of abundance, were Lake Trout, Arctic Char, and Lake Whitefish (see **Table 7.3**). Few Lake Whitefish were reported as being caught in 2020 compared to 2019, which is either due to lower abundance and/or reduced effort.

7.5 SEASONAL TIMING OF FISHING

In 2020, fishing periods with the most active fisherman was from May to August (see **Table 7.2**). The periods with the most fish caught included the summer months (especially June and July), which reflects the high number of Lake Trout caught by fisherman heading out on the land after ice melt (**Figure 7.3**).This trend can be observed in the overall trendsfrom 2007 to 2015 and 2019 (**Figure 7.3)**; however, the winter peaks of fishing observed in 2019 were not seen in 2020.

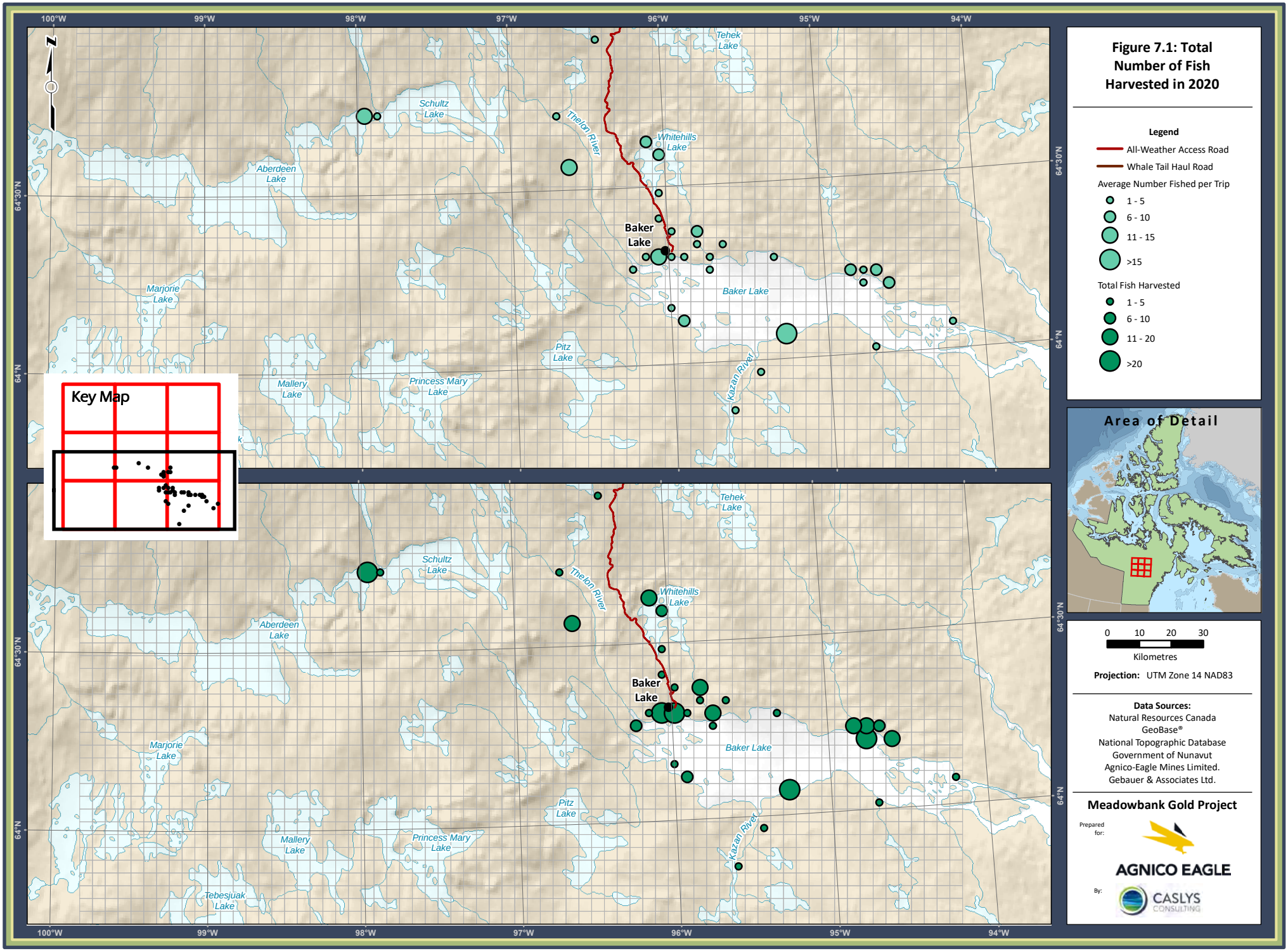


Figure 7.1: Total Number of Fish Harvested in 2020

Legend

All-Weather Access Road

Whale Tail Haul Road

Average Number Fished per Trip

- 1 - 5
- 6 - 10
- 11 - 15
- >15

Total Fish Harvested

- 1 - 5
- 6 - 10
- 11 - 20
- >20

0 10 20 30

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

Meadowbank Gold Project

Prepared for: AGNICO EAGLE

By: CASLYS CONSULTING

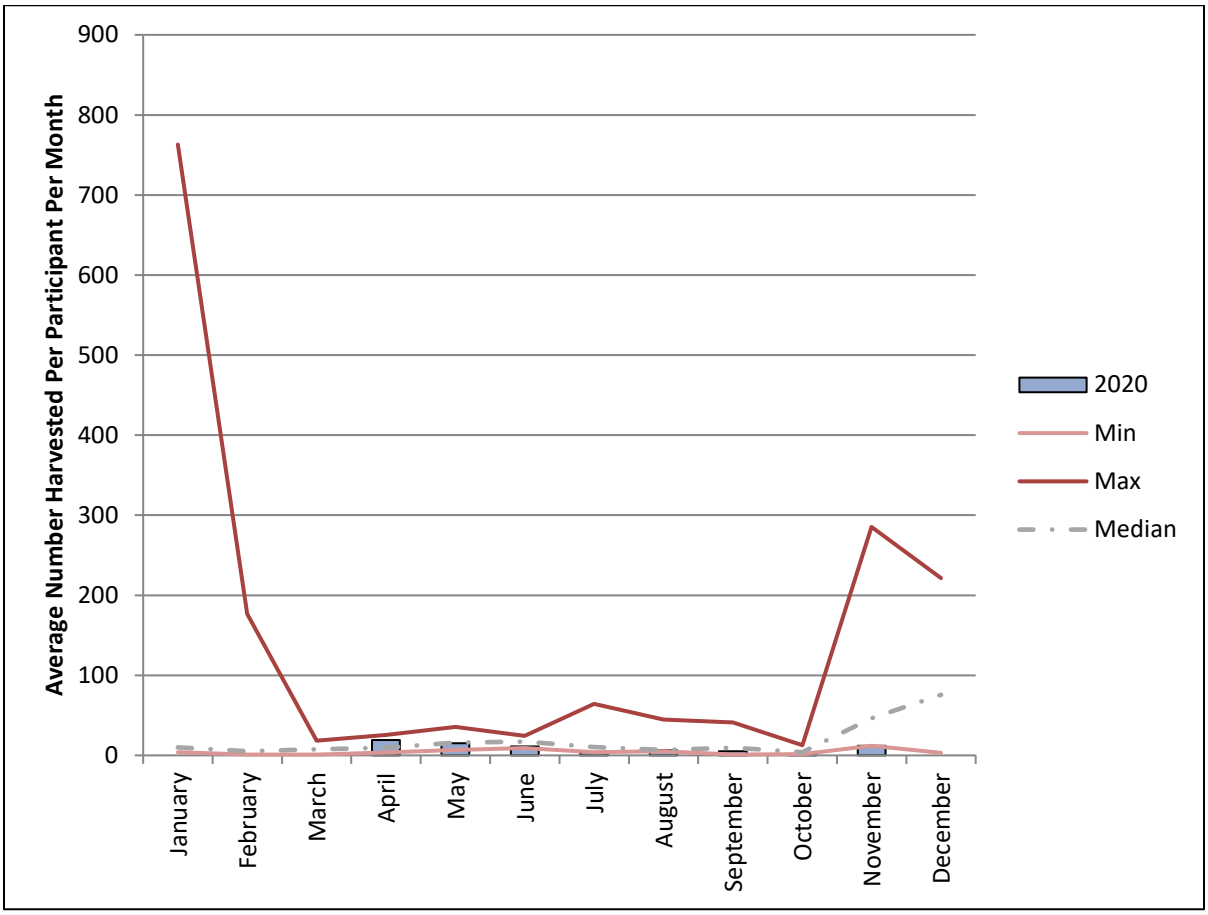


Figure 7.2: Average Number of Fish Caught per Participant in 2020 and the Minimum and Maximum Range from 2007 to 2015 and in 2019.

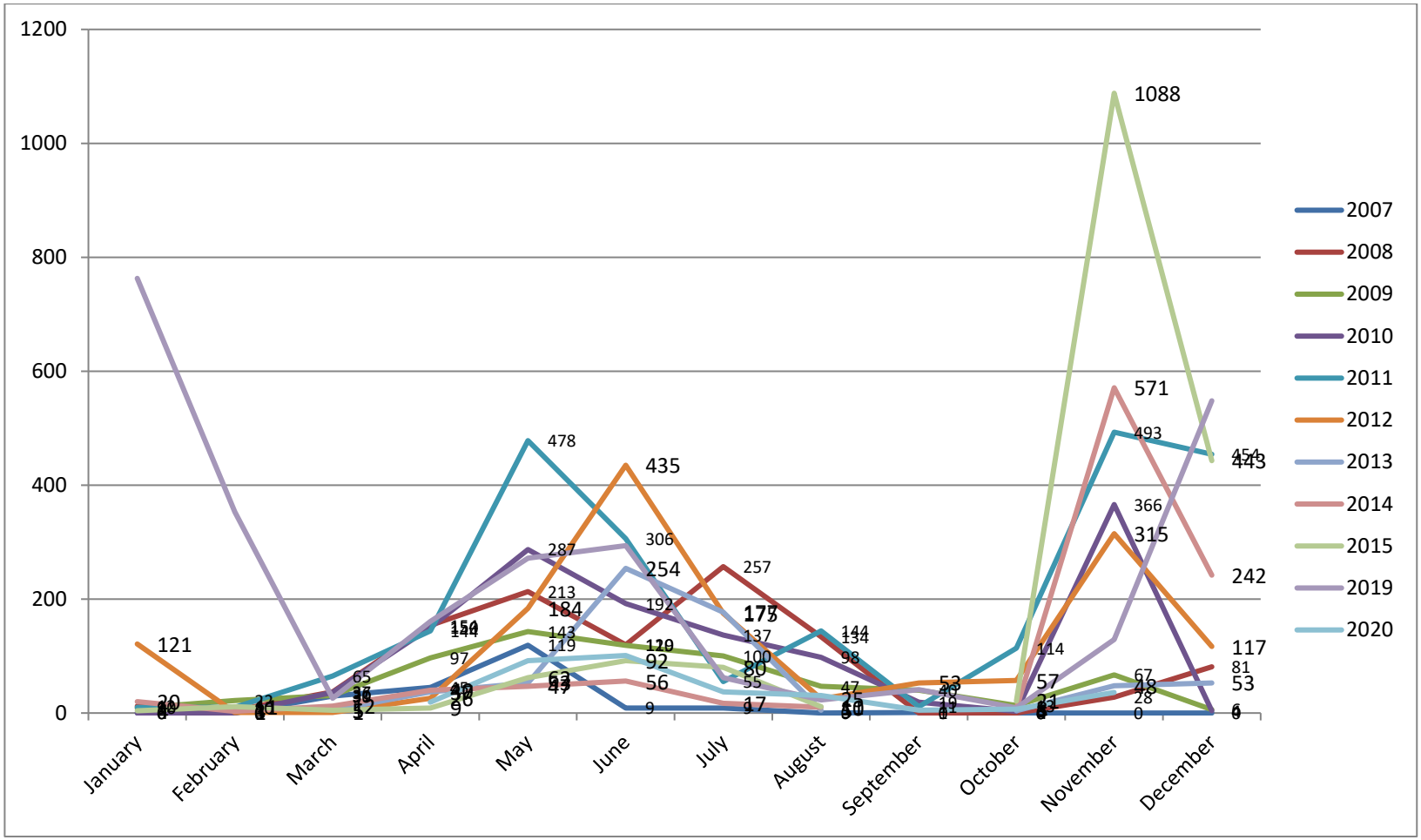


Figure 7.3: Seasonal Trends in Fishing in the Baker Lake Area from 2007 to 2015, and 2019 to 2020.

SECTION 8 • ACCURACY OF IMPACT PREDICTIONS

Table 8.1 provides a summary of the impact predictions identified in the original TEMP (Cumberland 2006) and the updated June 2019 version (Agnico Eagle 2019). The 2020 HHS data were compared to the impact prediction thresholds to evaluate adherence to the impact predictions and the provision of adaptive management, as either a necessary or proactive measure. No thresholds were surpassed in 2020.

Table 8.1: Accuracy of Impact Predictions – Baker Lake Hunter Harvest Study

Potential Effect	Threshold	Threshold Exceeded (2020)	Adaptive Management Implemented	Status
Meadowbank All-Weather Access Road				
Hunting by Baker Lake Residents	The AWAR will not result in significant changes in the spatial distribution, seasonal pattern, or harvest levels of Caribou kills by Baker Lake hunters. Changes will not exceed 20% of historical harvest activities within the RSA	NO (62% of harvest in RSA in 2020 compared to 67% baseline; average of 76% of harvest within RSA since 2007)	Future discussion with HTO and GN representatives required to identify management options	Hunter Harvest Study Creel Survey
Whale Tail Haul Road				
Hunting by Baker Lake Residents	No change in harvest	NO (No harvests recorded within 8 km of the Whale Tail Haul Road)	None required. Access by hunters is restricted in the growing season and very limited hunting occurs in the winter.	Hunter Harvest Study Satellite-collaring Program

SECTION 9 • MANAGEMENT RECOMMENDATIONS

The Hunter Harvest Study and Creel Survey should be continued on an annual basis to monitor the hunting and fishing patterns of Baker Lake residents, and the potential effects of the mine. Meetings with participants every four months (3 times/year) in 2021 are particularly important in maintaining contact, building relationships, expanding the study and collecting good harvest data. The total number of planned visits per year was reduced to three from four because of the added logistical constraints associated with mandatory quarantine prior to travel to Nunavut. Despite the decrease in visits, participation rates can be maintained by continuing to use social media platforms such as Facebook and Instagram, expanding connections on these platforms, ensuring that all participants are visited during the three scheduled field visits, and continuing with distribution of the well-received gas vouchers and year-end prizes while in the community.

APPENDIX A

2020 Hunter Harvest Calendar

2020

Baker Lake Harvest Study

ᖃᐱᓕᓂᐊᖏᑦ ᐊᖏᔪᓇᓯᒃᓂᖏᓪᓗᑎᑦ ᖃᐅᔨᓴᖏᓂᖅ

Caribou Cuts

Jamie Kataluk

January | ᔮᓄᐊᕆ 2020

Baker Lake Harvest Study
ᖃᒪᓂᑐᐊᕐᒥ ᐊᖕᒍᓇᓱᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖕᒐᔪᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᑲᐃᑐᕐᓇᖅ
			1 New Year's Day	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

December 2019

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February 2020

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

Sled Dogs

Martin Gebauer

February | ᕕᑉᕈᐊᕆ 2020

Baker Lake Harvest Study
ᖃᒪᓂᑐᐊᕐᒥ ᐊᖑᓇᓯᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖓᓲᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓪᓕᒪᑦ	Saturday ᓂᖃᐃᑐᕐᓇᖅ
January 2020 (see below)	March 2020 (see below)					1
2 Groundhog Day	3	4	5	6	7	8
9	10	11	12	13	14 Valentine's Day	15
16	17	18	19	20	21	22
23	24	25	26 Ash Wednesday	27	28	29

January 2020

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

March 2020

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Ice Fishing

Martin Kreclak

March | ᒪᔾ 2020

Baker Lake Harvest Study
ᖃᒪᓂᑐᐊᕐᒥ ᐊᖑᓇᓱᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖕᒐᔪᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖃᐃᑐᕐᓇᖅ
1	2	3	4	5	6	7
8 Daylight Savings Beginy	9	10	11	12	13	14
15	16	17 St. Patrick's Day	18	19 First Day of Spring	20	21
22	23	24	25	26	27	28
29	30	31				

February 2020

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

April 2020

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Winter Remains

Martin Gebauer

April | ᐊᐃᐱᓕ 2020

Baker Lake Harvest Study
ᖃᒪᓂᑐᐊᕐᒥ ᐊᖑᓇᓱᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖕᒐᓱᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᑲᐃᑐᕐᓇᖅ
			1 April Fool's Day	2	3	4
5 Palm Sunday	6	7	8 Passover	9	10 Good Friday	11
12 Easter Sunday	13	14	15	16	17	18
19	20	21	22 Earth Day	23	24	25
26	27	28	29	30		

March 2020

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

May 2020

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Family Hunt

Candice Qabloona

May | ᒪᐃ 2020

Baker Lake Harvest Study
ᖃᒪᓂᑐᐊᕐᒥ ᐊᖑᓇᓱᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖕᒐᔪᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓪᓕᒪᑦ	Saturday ᓂᖃᐃᑐᕐᓇᖅ
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18 Victoria Day	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2020

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

June 2020

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Fishing Spoons

Martin Gebauer

June | ᕿᓂ 2020

Baker Lake Harvest Study
ᖃᐅᓂᑐᐊᖏ ᐊᖏᔪᓕᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᖅᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᔪᓂᓴᖅ	Tuesday ᑐᐸᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᐃᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20 First Day of Summer
21 National Aboriginal Day Father's Day	22	23	24	25	26	27
28	29	30				

May 2020

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

July 2020

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Drying Fish

Martin Gebauer

July | ᐊᓪᓚᐃ 2020

Baker Lake Harvest Study
ᖃᐅᓂᑐᐊᖏᑦ ᐊᖏᔪᓕᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᖅᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᓚᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᖅᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖓᓱᐊᐅᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᕐᓇᖅ
June 2020 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	August 2020 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		**1** **Canada Day**	**2**	**3**	**4**
5	**6**	**7**	**8**	**9** **Nunavut Day**	**10**	**11**
12	**13**	**14**	**15**	**16**	**17**	**18**
19	**20**	**21**	**22**	**23**	**24**	**25**
26	**27**	**28**	**29**	**30**	**31**	

Caribou Gathering

Lars Qaqqaq

August | ᐊᔪᓂ 2020

Baker Lake Harvest Study
ᖃᒪᓕᑐᐊᖅ ᐊᖏᔪᓇᓂᕐᒧᑦ ᖃᐅᔨᓴᓕᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᓕᐅᔪᓴᖅ	Tuesday ᑐᑭᓯᐊᖅᓇᖅ ᓂᕆᓕᖅ	Wednesday ᐱᖓᓱᓪᓗᑦ	Thursday ᓂᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓄᖅᐃᑐᖅᓇᖅ
July 2020 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	September 2020 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					1
2	3 Civic Holiday	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Fall Colours

Lars Qaqqaq

September | ᓯᑎᐱᓗ 2020

Baker Lake Harvest Study
ᖃᒪᓂᑐᐊᖏᑦ ᐊᖏᔪᓚᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᓂᖅ

Sunday ᓴᓇᑕᐱᓕ	Monday ᓴᓇᑕᐱᓕᐅᒪᓂᕐᒥᒃ	Tuesday ᑐᒃᓯᐊᖏᓇᒃ ᓯᑲᓕᒃ	Wednesday ᐱᖓᓱᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᕆᐃᑐᖏᓇᒃ
		1	2	3	4	5
6	7 Labour Day	8	9	10	11	12
13 Grandparent's Day	14	15	16	17	18	19
20 Terry Fox Run	21	22 First Day of Autumn	23	24	25	26
27	28	29	30			

August 2020

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

October 2020

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Fishing for Arctic Char

William Noah

October | ᐅᖅᑐᐱᓗ 2020

Baker Lake Harvest Study
ᖃᒪᓕᑕᐃᖏᑦ ᐊᖏᔪᓂᖅᓴᓕᒋᑦ ᖃᐅᔨᓴᓂᖅ

Sunday ᓴᓇᑕᐱᓕ	Monday ᓴᓇᑕᐱᓕᕆᓂᖅᓴᖅ	Tuesday ᑐᖅᓯᐊᖏᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖏᓴᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖏᓇᖅ
September 2020 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	November 2020 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			1	2	3
4	5	6	7	8	9	10
11	12 Thanksgiving Day	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31 Halloween

Muskox Herd

Lars Qaqqaq

November | ᓄᕕᐱᕆ 2020

Baker Lake Harvest Study
ᖃᒪᓂᑐᐊᕐᒥ ᐊᖑᓇᓱᒃᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖓᓱᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖃᐃᑐᕐᓇᖅ
1 Daylight Savings Time Ends	2	3	4	5	6	7
8	9	10	11 Remembrance Day	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October 2020

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

December 2020

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Bulls in Winter

Thomas Putumiraqtuq

December | ᑎᓯᐱᓗ 2020

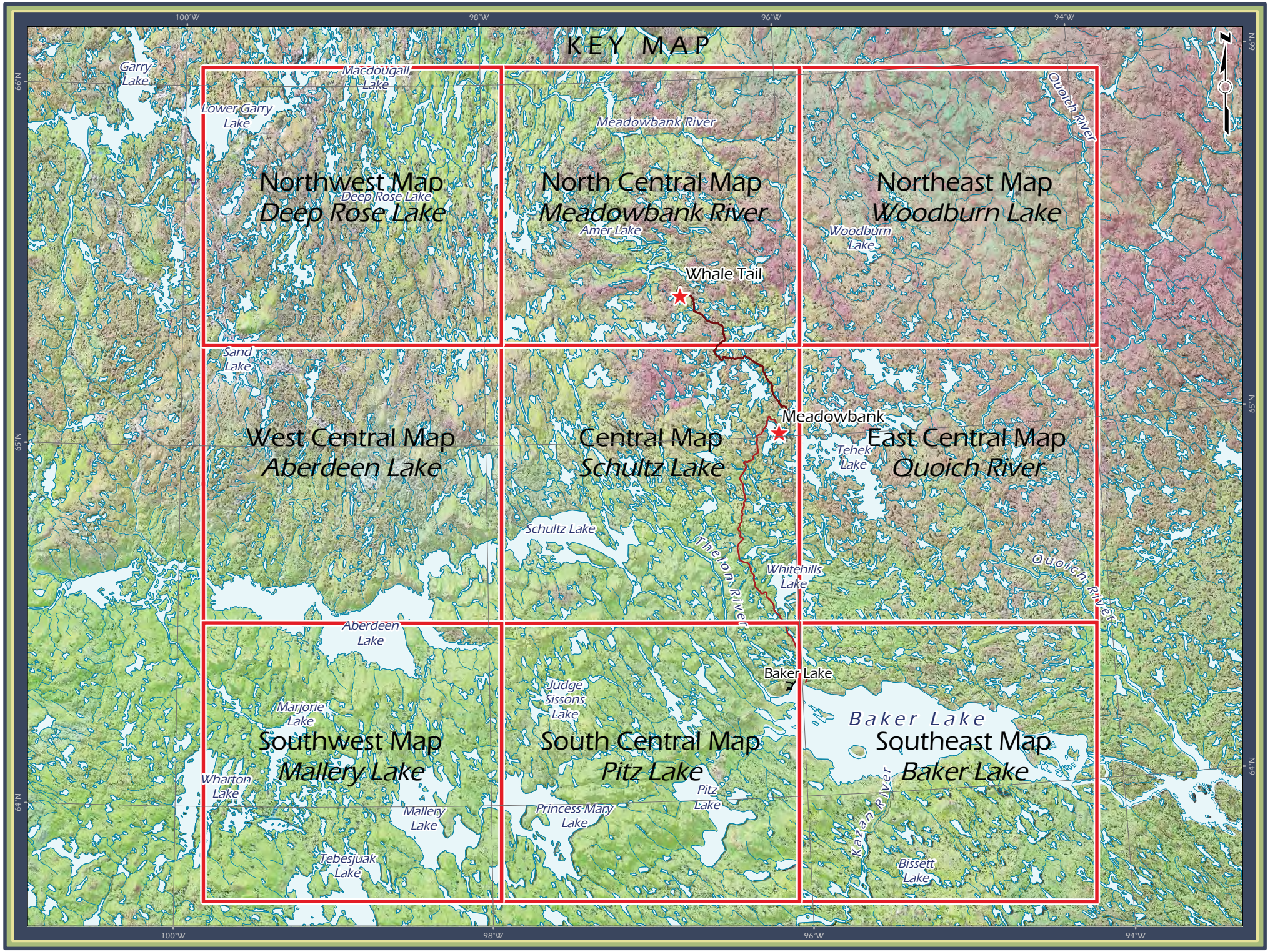
Baker Lake Harvest Study
ᖃᐅᓂᑐᐊᖏᑦ ᐊᖏᔪᓕᕆᓂᖅᓯᒪᔪᑦ ᖃᐅᔨᓴᓂᓗᒃ

Sunday ᓴᓇᑕᐱᓕ	Monday ᓴᓇᑕᐱᓕᕆᔨᓂᖅᓯᒪᔪᖅ	Tuesday ᑐᓴᓯᐊᖏᓇᖅ ᓯᖃᓕᖅ	Wednesday ᐱᖓᓱᓯᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖏᓇᖅ
November 2020 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	January 2021 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21 First Day of Winter	22	23	24	25 Christmas Day	26 Boxing Day
27	28	29	30	31 New Year's Eve	Please return the calendar to the Agnico-Eagle office for entry into the participant draw.	

Wildlife and Fish Species of Interest

Caribou Bull

Martin Gebauer


KEY MAP
100°W
98°W
96°W
94°W
66°N
65°N
64°N
Garry Lake
Macdougall Lake
Lower Garry Lake
Meadowbank River
Quoich River
Northwest Map
Deep Rose Lake
Deep Rose Lake
North Central Map
Meadowbank River
Amer Lake
Northeast Map
Woodburn Lake
Woodburn Lake
Whale Tail
Sand Lake
West Central Map
Aberdeen Lake
Central Map
Schultz Lake
Meadowbank
East Central Map
Quoich River
Tehek Lake
Schultz Lake
Thelon River
Whitehills Lake
Quoich River
Aberdeen Lake
Baker Lake
Judge Sissons Lake
Marjorie Lake
Southwest Map
Mallery Lake
South Central Map
Pitz Lake
Baker Lake
Southeast Map
Baker Lake
Wharton Lake
Mallery Lake
Pitz Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
Bissett Lake

Baker Lake Harvest Study

Northwest Map Deep Rose Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

99°30'W 99°W 98°30'W 98°W

66°N 65°45'N 65°30'N

ZE69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 ZE47

ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY

ZZ69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 ZZ47

Buliard Lake

Back River

Lower Garry Lake

Deep Rose Lake

ZP58

Baker Lake Harvest Study

West Central Map
Aberdeen Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

99°30'W 99°W 98°30'W 98°W

65°15'N 65°N 64°45'N 64°30'N

A69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 A47

B C D E F G H I J K L M N O P Q R S T U

K58

V69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 V47

Sand Lake

Naujatuuq Lake

River

Naujatuuq

Oumanaugaq Lake

Oumanaugaq Bay

Peqetuaz Hill

Kuaghok Narrows

Aberdeen Lake

Baker Lake Harvest Study

Southwest Map
Mallery Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

CASLYS CONSULTING

99°30'W 99°W 98°30'W 98°W

64°30'N 64°15'N 64°N 63°45'N

V69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 V47

W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP

AQ69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 AQ47

Aberdeen Lake

Marjorie Hills

Dubawnt River

Marjorie Lake

AF58

Wharton Lake

Mallery Lake

Maniituq Hill

Tebesjuak Lake

Kunwak River

Piniarvik Peninsula

Baker Lake Harvest Study

North Central Map Meadowbank River

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

CASLYS CONSULTING

97°30'W 97°W 96°30'W 96°W

66°N 65°45'N 65°30'N 65°15'N

ZE46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 ZE24

ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY

ZZ46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 ZZ24

Back River

Meadowbank River

ZP35

Amer Lake

Nanau Lake

Whale Tail

Baker Lake
Harvest Study

Central Map
Schultz Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:
AGNICO-EAGLE

By:
Nunavut Environmental Consulting Ltd
CASLYS CONSULTING

97°30'W 97°W 96°30'W 96°W
65°15'N 65°N 64°45'N 64°30'N
A46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 A24
B C D E F G H I J K L M N O P Q R S T U
V46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 V24
K35
N

Pipedream Lake
Meadowbank
Third Portage Lake
Amarulik Lake
Whalebone Hill
Schultz Lake
Thelon River
Akitit Hill
Whitehills Lake
Half Way Hills
Ayaktuukvik Lake

Baker Lake Harvest Study

South Central Map
Pitz Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

97°30'W 97°W 96°30'W 96°W

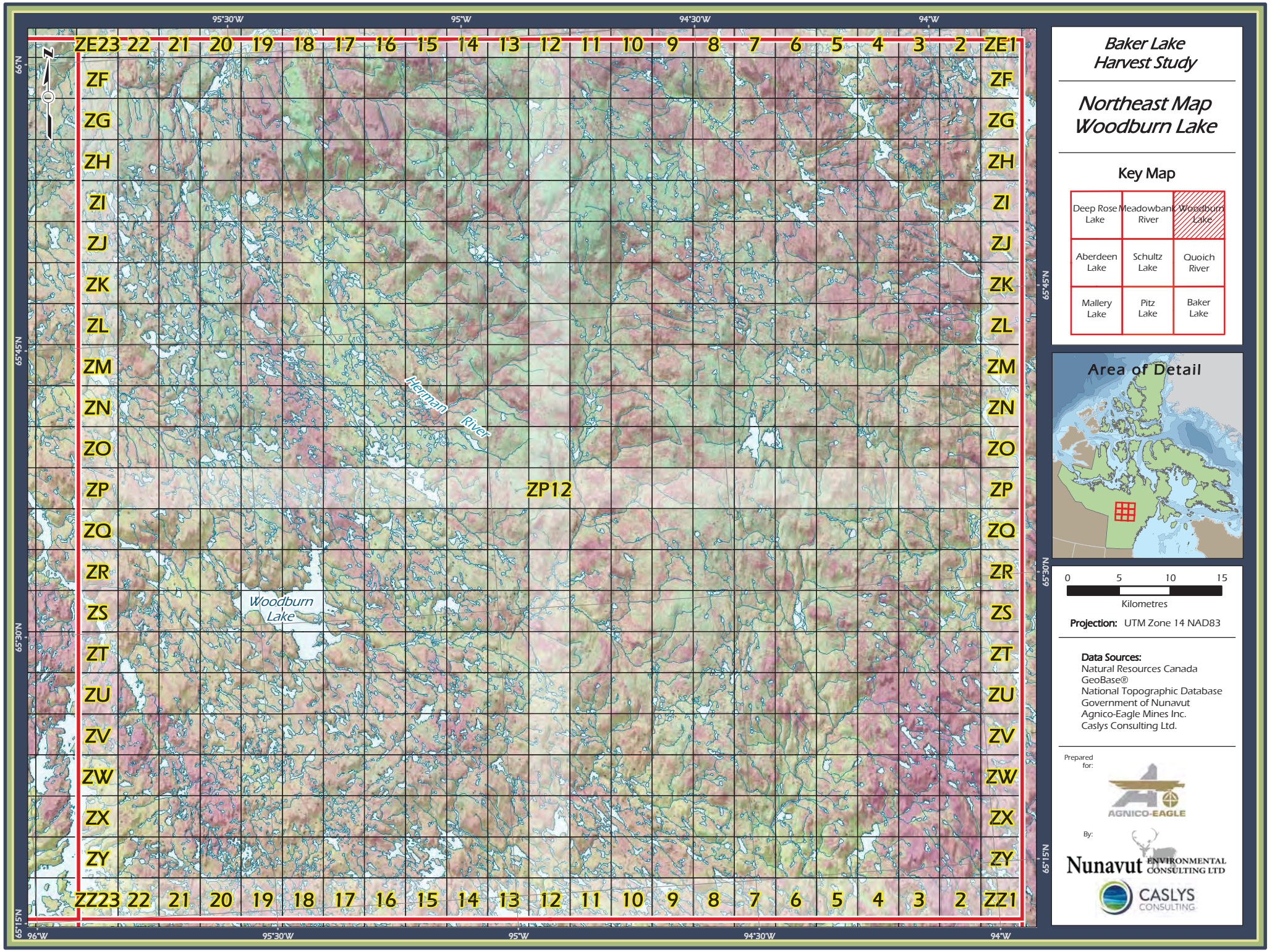
64°30'N 64°15'N 64°N 63°45'N

V46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 V24

W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP

AQ46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 AQ24

Qikittalik Lake
Thelon River
Sigalausivik Hill
Thom Lake
Baker Lake
Judge Sissons Lake
Iglujat Hills
Sagliq Island
Qamanaugaq Lake
Mihaluk Lake
AF35
Kingatnaaq Hill
Paunraqtuuq Hill
Tiriksiujarvik Hill
Pitz Lake
Princess Mary Lake
Aumaluuktuuk Lake



Baker Lake Harvest Study

Northeast Map Woodburn Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

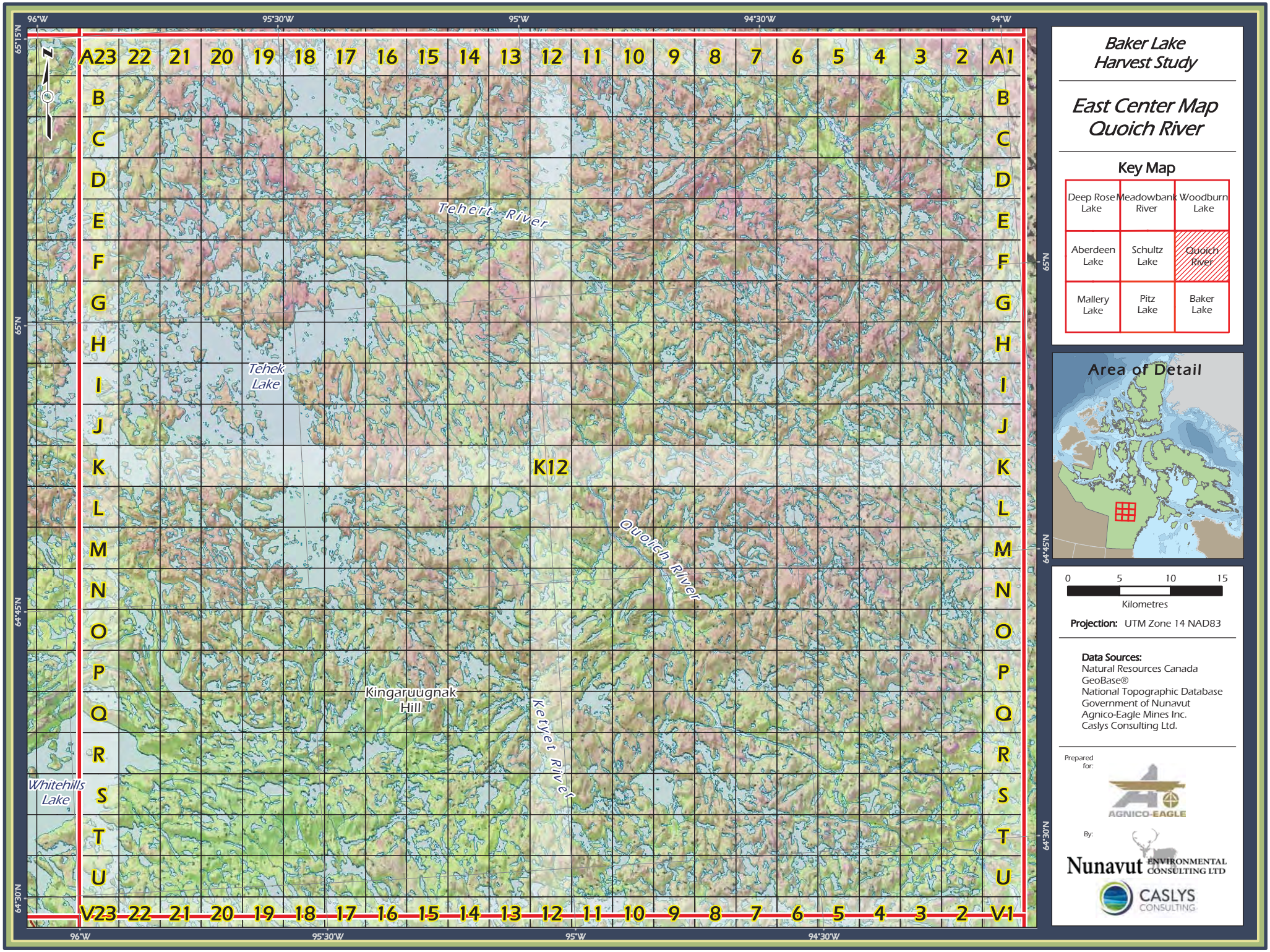
Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

CASLYS CONSULTING



Baker Lake Harvest Study

East Center Map
Quoich River

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

Area of Detail

0 5 10 15
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for: AGNICO-EAGLE

By: Nunavut Environmental Consulting Ltd

CASLYS CONSULTING

Baker Lake Harvest Study

Southeast Map Baker Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

Area of Detail

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

CASLYS CONSULTING

How to Use the Baker Lake Harvest Calendar

Agnico Eagle Mines Ltd., in cooperation with the Baker Lake Hunters and Trappers Organization (HTO), want to understand hunting and fishing patterns by Baker Lake residents. Specifically, we want to understand how the Meadowbank and Whale Tail Gold Project, located north of Baker Lake, might change traditional harvesting patterns. To ensure that traditional hunting and fishing activities are not negatively affected, we have developed this calendar where participants can record harvest information throughout the year.

Near the back of the calendar is a page that shows the animal and fish species that are included in the study. Please write down the species, number, sex, and location of animals or fish that you have harvested on each date on the calendar. When writing down the location, please use the XY coordinate system provided on the nine maps at the back of the calendar.

For example, if you harvested a male caribou on January 16th on Big Hips Island you would write down "1 male caribou, AF19" in the January 16th square of the calendar.

You will also be visited or contacted by the hunter harvest coordinator occasionally throughout the year. The coordinator's job will be much easier if you write down your harvest information in the calendar as soon as possible.

Please return the calendar to the Agnico Eagle office in Baker Lake at the end of the year or give the calendar to the coordinator when he visits in January. Although each participant will receive a gift expressing our thanks, a draw will also be held in January for a number of high quality prizes.

Please contact the Baker Lake Harvest Study Coordinator, Martin Gebauer at (604) 720-6396 (martin@gebauerassociates.com) if you have any questions. Contacts at Agnico Eagle Mines include the Environmental Coordinator at (819) 759-3555, ext. 4606744.

ᖃᓄᖅ ᐅᐸᓗᖅᓯᐅᑦ ᐊᑐᒐᐅᓯᖅᐸ

ᐊᒡᓂᑯ ᐃᒎ ᐅᔭᖃᑕᕐᓇᐊᑦ, ᐱᓕᕆᖃᑎᖃᕐᓗᑎᒃ ᖃᒪᓂ'ᑐᐊᕐᒥᑦ ᐆᒪᔪᓕᕆᔨᐊᓖᒃᑯᓐᓂᑦ, ᑐᑭᓯᐊᓕᕈᒪᔪᑦ ᒪᖃᐃᓐᓂᕐᒧᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᖅᑐᑦ ᖃᒪᓂᑦᑐᐊᕐᒥᐅᓄᑦ. ᐱᓗᐊᖅᑐᒥᑦ, ᖃᐅᔨᒪᔭᕗᑦ ᖃᓄᖅ ᐊᐳᖅᑎᓐᓈᖅᑐᖅ ᐊᒻᒪᓗ Whale Tail ᒎᓗᒥᒃ ᐱᓕᕆᐊᖅ, ᐃᓂᐅᔾᑦᑐᖅ ᐅᐊᖕᓇᖓᓂᑦ ᖃᒪᓂ'ᑐᐊᑉ, ᐊᓯᐊᙱᖅᑎᑦᑎᓇᔭᕐᒪᖔᑦ ᐱᖅᑯᓯᕆᔭᐅᔪᒃᑯᑦ ᒪᖃᐃᓐᓂᕐᒧᑦ ᐊᑐᖅᑕᐅᖅᑦᑕᖅᑐᓂᒃ. ᐱᖅᑯᓯᕆᔭᐅᔪᒃᑯᑦ ᒪᖃᐃᖅᑦᑕᕐᓂᖅ ᐊᒻᒪᓗ ᐃᖅᑲᓕᐊᖅᑦᑕᕐᓂᐅᔪᑦ ᐱᐅᖕᖏᑦᑐᒥᒃ ᐊᑐᖅᑕᐅᖁᓇᒋᑦ, ᐋᖅᑭᓯᓚᐅᖅᑐᒍᑦ ᐅᐸᓗᖅᓯᐅᑎᒥᒃ ᐃᓚᐅᖅᑕᐅᔪᑦ ᑎᑎᕋᐃᖅᑦᑕᖅᓯᐊᕆᔪᙳᕐᓂᐊᖅᑕᙵᓂᒃ ᒪᖃᐃᑦᑕᖏᓐᓄᑦ ᑐᑭᓯᐅᒪᔾᔪᑏᑦ ᒥᒃᓵᓄᙵᔪᒃ ᐅᑭᐅᒧᑦᑖᕐᒥᑦ.

ᖃᓂᑦᑕᙵᓂᑦ ᑐᓄᐊᑕ ᐅᐸᓗᖅᓯᐅᑎᐅᑉ ᒪᒃᐱᖅᑐᒐᖅ ᑕᑯᒃᓴᐅᑎᑦᑎᔪᖅ ᓂᕐᔪᑎᓂᒃ ᐊᒻᒪᓗ ᐃᖃᓗᖕᓂᒃ ᐃᓚᐅᖅᑕᐅᔪᒃ ᖃᐅᔨᓴᐃᓂᕐᒥᑦ. ᑎᑎᕋᖅᑦᑕᓂᐊᖅᐸᑎᑦ ᓂᕐᔪᑏᑦ ᐃᖃᓗᐃᑦᑐ, ᖃᑉᓯᐅᓂᖏᑦ, ᐊᖑᑦᑐᐃᑦ ᐊᕐᓇᑦᑐᐃᑦ, ᐊᒻᒪᓗ ᓇᓂ ᐱᔭᖅᑕᐅᓚᐅᕐᒪᖔᑕ ᓂᕐᔪᑏᑦ ᐃᖃᓗᐃᑦᑐ ᐊᑐᓂ ᐅᐸᓗᖅᓯᐅᑎᒥᑦᐅᐸᓗᖕᒋᓐᓄᑦ. ᑎᑎᕋᕐᓂ ᐃᓂᐅᔪᖅ, ᐊᑐᕐᓂᐊᖅᐸᐃᑦ XY-ᒧᑦ ᓈᓴᐅᑎᐅᔪᑦ ᑕᐃᒪᐅᔪᑦ 9-ᓂᑦ ᓄᓇᙳᐊᕐᓂᑦ ᑐᓄᐊᓃᑦᑐᑦ ᐅᐸᓗᖅᓯᐅᑎᐅᑉ.

ᐆᒃᑑᑎᒋᓗᒍ, ᑐᒃᑐᓕᐅᕆᕙᑦ ᐊᖑᓯᑦᑐᕐᒥᑦ ᓯᓇᐊᓇ 16-ᒥᑦ (Big Hips) ᕿᑭᖅᑕᕐᒥᑦ ᑎᑎᕋᕐᓂᐊᖅᑕᐃᑦ "ᐊᑕᐅᓯᖅ ᐊᖑᓯᑦᑐᖅ ᑐᒃᑐ, AF19" ᓯᓇᐊᓇ 16 ᑭᐸᙵᓇᒃᑐᒥᑦ ᐅᐸᓗᖅᓯᐅᑎᒥᑦ.

ᐅᓪᓚᖅᑕᐅᓂᐊᖅᑐᑎᑦᑕᐅᖅ ᐅᕝᕙᓘᓐᓃᑦ ᖃᐅᔨᕆᐊᕐᕕᐅᖅᑲᑦᑕᖅᑐᑎᑦ ᖃᑯᑎᒃᑯᑦ ᐅᑭᐅᐸ ᐃᓗᐊᓂᑦ ᒪᖃᐃᑏᑦ ᒥᒃᓵᓄᑦ ᑐᑭᒧᐊᒃᑎᑦᑎᔪᒧᑦ. ᑐᑭᒧᐊᒃᑎᑦᑎᔨᐅᐸ ᐱᓕᕆᐊᖓ ᐊᔪᕐᓇᙱᓂᖅᓴᐅᓂᐊᖅᑐᖅ ᐅᐸᓗᖅᓯᐅᑎᒧᑦ ᑎᑎᖃᑲᐅᑎᒋᖅᑲᑦᑕᕈᑎᒃ ᒪᖃᐃᓚᐅᖅᑕᑎᑦ.

ᐅᑎᖅᑎᓐᓂᐊᖅᐸᐃᑦ ᐅᐸᓗᖅᓯᐅᑎ ᐊᒡᓂᑯᒃᑯᑦ ᑎᑎᕋᕝᕕᖓᓄᑦ ᖃᒪᓂ'ᑐᐊᕐᒥᑦ ᐃᓱᐊᓂᑦ ᐅᑭᐅᑉ ᐅᕝᕙᓘᓐᓃᑦ ᑐᓂᓗᒍ ᑐᑭᒧᐊᒃᑎᑦᑎᔨᒧᑦ ᐅᓪᓚᖅᐸᑦ ᓯᓇᐊᓇᒥᑦ. ᐊᑐᓂ ᐃᓚᐅᖅᑕᐅᔪᑦ ᑐᓂᔭᐅᓂᐊᖃᓗᐊᖅᓗᑎᒃ ᑐᓂᕐᕈᓯᐊᒥᒃ ᒪᓪᓈᕐᕕᐅᓂᖏᓐᓄᑦ, ᐊᒧᓯᓂᐊᖅᑐᑦᑕᐅᖅ ᐲᖅᑕᐅᔾᔭᓂᑦ ᖃᐸᓯᐊᕐᔪᖕᓂᑦ ᐱᕐᑯᑎᑦᑎᐊᕙᖕᓂᒃ ᓯᓇᐊᓇᒥᑦ.

ᐊᐱᖅᑯᑎᒃᓴᖅᑲᕈᕕᑦ, ᖃᐅᔨᓯᐊᕐᕕᒋᓗᒍ ᖃᒪᓂ'ᑐᐊᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᕐᒧᑦ ᑐᑭᒧᐊᒃᑎᑦᑎᔨ, ᒫᑎᓐ ᒋᐸᐅᕐ ᐅᕗᖓ (604) 720-6396 (martin@gebauerassociates.com). ᖃᐅᔨᒋᐊᕐᕕᐅᔪᓐᓇᖅᑐᑦ ᐊᒡᓂᑯᒃᑯᓐᓂᑦ ᐃᓚᐅᔪᑦ ᐊᕙᑎᓕᕆᓂᕐᒧᑦ ᑐᑭᒧᐊᒃᑎᑦᑎᔨ ᐅᕙᓂ (819) 759-3555, ᓇᕿᒃᑲᓐᓂᕐᒧᑦ 460674.

Produced By:

AGNICO EAGLE

and