



MEADOWBANK MINE

2019 WILDLIFE MONITORING SUMMARY REPORT

FINAL

APPENDIX H

2019 Height of Land Survey Forms



AGNICO EAGLE

2019-01-09

N.S, K.N, M.K.

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								
2 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								
3 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								
14:40 4 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								
5 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								





AGNICO EAGLE

Date: 2019-01-30

Height-of-lands Field Sheet (Whale Tail Trail Road)

Field Team: Martin Keadak, Isabelle Couture

Temperature: -40°C

Wind Speed: No wind

Wind Direction: N/A

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km

Precipitation: No

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : 1:30pm Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : 10:50 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : 1:20pm Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

2019-02-06 KN of NS

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : 15:40 Did it? : (Y/N) Wildlife? Y/(N)	North	0	0						
	East								
	South								
	West								
2 Time : 15:00 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								
3 Time : 14:00 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								
4 Time : 13:30 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								
5 Time : 12:30 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 2019-02-23

Field Team: Martin Kreclak, Isabelle Couture

Temperature: ~ -35

Wind Speed: ~ 15 km/h

Wind Direction: North

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km

Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : 9:25 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								
2 Time : 10:10 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								
3 Time : 14:50 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								
4 Time : 13:50 Did it? : (Y/N) Wildlife? (Y/N)	North	wolverine	1	tundra	walking	east	east	900m	>1Km
	East	musk-ox	2	tundra	resting	not moving	west	800m	>1.5Km
	South								
	West								
5 Time : 13:15 Did it? : (Y/N) Wildlife? Y/(N)	North								
	East								
	South								
	West								



AGNICO EAGLE

2019-03-13

Kathleen and Martin

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access, it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: 17:00 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South					9:30	visibility	very poor	
	West								
2 Time: 16:00 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time: 15:00 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time: 11:00 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time: 13:30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Thursday

Date: April 04, 2019.

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: Martin K, & Kevin M.

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☐ 1 km Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/ <u>N</u> Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : 16:30 Did it? : Y/Y/N Wildlife? Y/N	North								
	East								
	South	Caribou	11	L.R	W/S	South	WEST	450	850
	West	Caribou	11	L.R	W/S	South	WEST	250	700
3 Time : 14:55 Did it? : <u>Y</u> / <u>N</u> Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
4 Time : 11:10 Did it? : <u>Y</u> / <u>N</u> Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
5 Time : 12:00 Did it? : <u>Y</u> / <u>N</u> Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								



April 06, 2019

AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/ <input checked="" type="radio"/> N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : 8:45 Did it? : <input checked="" type="radio"/> Y/ <input checked="" type="radio"/> N Wildlife? Y/ <input checked="" type="radio"/> N	North								
	East								
	South								
	West								
3 Time : 9:50 Did it? : <input checked="" type="radio"/> Y/ <input checked="" type="radio"/> N Wildlife? Y/ <input checked="" type="radio"/> N	North								
	East								
	South								
	West								
4 Time : 9:50 Did it? : <input checked="" type="radio"/> Y/ <input checked="" type="radio"/> N Wildlife? Y/ <input checked="" type="radio"/> N	North								
	East								
	South								
	West								
5 Time : Did it? : Y/ <input checked="" type="radio"/> N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 20/04/2019

Field Team: ST JA

Temperature: -18

Wind Speed: 11

Wind Direction: N

Visibility (check):

☐ 100m

☐ 500m

☒ 1 km

Precipitation: 0

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: 12:00 Did it? <input checked="" type="checkbox"/> Y/N Wildlife? <input checked="" type="checkbox"/> Y/N	North	0							
	East	0							
	South	CARIBOU	43	TUNDRA	RE	N/A	W	200	1100
	West	0							
2 Time: 12:36 Did it? <input checked="" type="checkbox"/> Y/N Wildlife? <input checked="" type="checkbox"/> Y/N	North	CARIBOU	45	TUNDRA	WS/RO	EAST	W	300	1400
	East	0							
	South	CARIBOU	37	TUNDRA	WS	SOUTH	W	150	1200
	West	0							
3 Time: 13:40 Did it? <input checked="" type="checkbox"/> Y/N Wildlife? <input checked="" type="checkbox"/> Y/N	North	0							
	East	0							
	South	0							
	West	0							
4 Time: 14:18 Did it? <input checked="" type="checkbox"/> Y/N Wildlife? <input checked="" type="checkbox"/> Y/N	North	CARIBOU	9	TUNDRA	WS	WEST	W	350	2000
	East	0							
	South	0							
	West	0							
5 Time: 15:18 Did it? <input checked="" type="checkbox"/> Y/N Wildlife? <input checked="" type="checkbox"/> Y/N	North	0							
	East	0							
	South	0							
	West	CARIBOU	72	TUNDRA	RE/WS	N	W	400/800	650/1050



AGNICO EAGLE

Date: 2019/09/21 Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: ST SA

Temperature: -22

Wind Speed: 17

Wind Direction: N

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km

Precipitation: Ø

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : 8:10 Did it? : <u>Ø</u> /N Wildlife? <u>Ø</u> /N	North	<u>Ø</u>							
	East	<u>Ø</u>							
	South	<u>CARIBOU</u>	<u>160</u>	<u>TUNDRA</u>	<u>WS</u>	<u>NORTH</u>	<u>W</u>	<u>200</u>	<u>2500</u>
	West	<u>CARIBOU</u>	<u>117</u>	<u>TUNDRA</u>	<u>WS</u>	<u>NORTH</u>	<u>W</u>	<u>750</u>	<u>1000</u>
2 Time : 9:05 Did it? : <u>Ø</u> /N Wildlife? <u>Ø</u> /N	North	<u>MUSKOX</u>	<u>6</u>	<u>TUNDRA</u>	<u>WS</u>	<u>WEST</u>	<u>W</u>	<u>200</u>	<u>1400</u>
	East	<u>Ø</u>							
	South	<u>Ø</u>							
	West	<u>MUSKOX</u>	<u>9</u>	<u>TUNDRA</u>	<u>RESTING</u>	<u>Ø</u>	<u>E</u>	<u>1500</u>	<u>3000</u>
3 Time : 10:05 Did it? : <u>Ø</u> /N Wildlife? <u>Ø</u> /N	North	<u>Ø</u>							
	East	<u>Ø</u>							
	South	<u>Ø</u>							
	West	<u>CARIBOU</u>	<u>14</u>	<u>TUNDRA</u>	<u>WS</u>	<u>WEST</u>	<u>W</u>	<u>1200</u>	<u>1000</u>
4 Time : 11:05 Did it? : <u>Ø</u> /N Wildlife? <u>Ø</u> /N	North	<u>CARIBOU</u>	<u>40</u>	<u>TUNDRA</u>	<u>WS</u>	<u>N</u>	<u>W</u>	<u>600</u>	<u>2000</u>
	East	<u>Ø</u>							
	South	<u>Ø</u>							
	West	<u>CARIBOU</u>	<u>68</u>	<u>TUNDRA</u>	<u>WS</u>	<u>N</u>	<u>W</u>	<u>800</u>	<u>2500</u>
5 Time : 11:40 Did it? : <u>Ø</u> /N Wildlife? <u>Ø</u> /N	North	<u>Ø</u>							
	East	<u>Ø</u>							
	South	<u>CARIBOU</u>	<u>29</u>	<u>TUNDRA</u>	<u>WS</u>	<u>EAST</u>	<u>W</u>	<u>900</u>	<u>1700</u>
	West	<u>Ø</u>							



AGNICO EAGLE

May 08, 2019

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access, it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North	Caribou	40	barren	bagging	none	NEAST	41km	41km
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East	Caribou	40	tundra	bagging	none	FAST	41km	48km
	South	Caribou	20	tundra	moving	South-East	West	800	+1km
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



May 09, 2019

AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North	Caribou	0	HT					
	East	"	1	Tundra					
	South	"	1	"					
	West	"	1	"					
2 Time : Did it? : Y/N Wildlife? Y/N	North	Caribou	0	Tundra					
	East	"	1	"					
	South	"	1	"					
	West	"	1	"					
3 Time : 1440 Did it? : Y/N Wildlife? Y/N	North	Caribou	0	Tundra					
	East	"	1	"					
	South	"	1	"					
	West	"	1	"					
4 Time : 1330 Did it? : Y/N Wildlife? Y/N	North		1	"					
	East	Caribou	0	Tundra					
	South	"	1	"					
	West	"	1	"					
5 Time : 1230 Did it? : Y/N Wildlife? Y/N	North	Caribou	0	Tundra					
	East	"	1	"					
	South	"	1	"					
	West	"	1	"					



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 2019-05-10

Field Team: MICHAEL BUTT + ANAERO / GABRIEL

Temperature: -3.8

Wind Speed: 14.5 km/h

Wind Direction: SE

Visibility (check): ☐ 100m

☒ 500m

☐ 1 km Precipitation: POSS

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
2 Time : Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 2019-05-15 Field Team: SM & JS
Temperature: -5°C Wind Speed: _____ Wind Direction: _____
Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation: 0

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time : <u>11:30</u> Did it? : <u>(X)</u> /N Wildlife? <u>(X)</u> /N	North	<u>Arctic Hare</u>	<u>1</u>	<u>HT</u>	<u>Resting</u>	<u>—</u>			
	East								
	South	<u>Muskox</u>	<u>2</u>	<u>HT</u>	<u>Resting</u>	<u>—</u>	<u>W</u>	<u>500m</u>	<u>1 km</u>
	West	<u>Caribou</u>	<u>65</u>	<u>HT</u>	<u>WS</u>	<u>NE</u>	<u>W</u>	<u>1km</u>	<u>2.5km</u>
2 Time : <u>08:00</u> Did it? : <u>(X)</u> /N Wildlife? <u>(X)</u> /N	North								
	East								
	South								
	West								
3 Time : <u>09:00</u> Did it? : <u>(X)</u> /N Wildlife? <u>(X)</u> /N	North								
	East								
	South								
	West								
4 Time : <u>09:30</u> Did it? : <u>(X)</u> /N Wildlife? <u>(X)</u> /N	North								
	East								
	South								
	West								
5 Time : <u>10:15</u> Did it? : <u>(X)</u> /N Wildlife? <u>(X)</u> /N	North								
	East								
	South								
	West								



May 16, 2019

AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North	Caribou	0	HT					
	East	"	1	Tundra					
	South	"	1	"					
	West	"	1	"					
2 Time : Did it? : Y/N Wildlife? Y/N	North	Caribou	0	Tundra					
	East	"	1	"					
	South	"	1	"					
	West	"	1	"					
3 Time : 14:40 Did it? : Y/N Wildlife? Y/N	North	Caribou	0	Tundra					
	East	"	1	"					
	South	"	1	"					
	West	"	1	"					
4 Time : 13:30 Did it? : Y/N Wildlife? Y/N	North			"					
	East	Caribou	0	Tundra					
	South	"	1	"					
	West	"	1	"					
5 Time : 12:30 Did it? : Y/N Wildlife? Y/N	North	Caribou	0	Tundra					
	East	"	1	"					
	South	"	1	"					
	West	"	1	"					



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 2019-05-16

Field Team: Gabriel Saecker & Stephanie M.

Temperature: -10°C

Wind Speed:

Wind Direction: SW

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation: Ø

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time: <u>0930</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West	<u>Caribou</u>	<u>12</u>	<u>HT</u>	<u>Grazing</u>	<u>—</u>	<u>W</u>	<u>20</u>	<u>500m</u>
2 Time: <u>1018</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South	<u>Hare</u>	<u>1</u>	<u>HT</u>	<u>Jumping</u>	<u>W</u>	<u>E</u>	<u>500m</u>	<u>20m</u>
	West	<u>Caribou</u>	<u>12</u>	<u>HT</u>	<u>Grazing</u>	<u>—</u>	<u>W</u>	<u>20</u>	<u>500m</u>
3 Time: <u>1018</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								
4 Time: <u>1018</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								
5 Time: <u>1018</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: 2019-05-19

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: SM 81A

Temperature: -10°C

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m

☐ 500m

☒ 1 km Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : 10h30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : 9h40 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : 9h30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: 2014/05/22

Height-of-lands Field Sheet (Whale Tail Haul Road)

Temperature: -4

Field Team: Lawrence Archambault and Gabriel Tiede

Wind Speed: 60 km/h

Wind Direction: N

Visibility (check): ☐ 100m ☒ 500m ☒ 1 km Precipitation: Snow no sun

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : <u>1640h</u> Did it? : <u>Y</u> /N Wildlife? Y/N	North								
	East								
	South								
	West	<u>Caribou</u>	<u>20</u>	<u>HT</u>	<u>Food</u>	<u>-</u>	<u>W</u>	<u>1500</u>	<u>2000</u>
2 Time : <u>1543</u> Did it? : <u>Y</u> /N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : <u>1445</u> Did it? : <u>Y</u> /N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : <u>1440</u> Did it? : <u>Y</u> /N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : <u>1340</u> Did it? : <u>Y</u> /N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: May 28 2019

Field Team: Robert Gaudin Joe Angel's son

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : <u>13:20</u> Did it? <u>(Y/N)</u> Wildlife? <u>(Y/N)</u>	North								
	East								
	South								
	West								
2 Time : <u>14:10</u> Did it? <u>(Y/N)</u> Wildlife? <u>(Y/N)</u>	North								
	East								
	South								
	West								
3 Time : <u>15:15</u> Did it? <u>(Y/N)</u> Wildlife? <u>(Y/N)</u>	North								
	East								
	South								
	West								
4 Time : <u>16:45</u> Did it? <u>(Y/N)</u> Wildlife? <u>(Y/N)</u>	North								
	East								
	South								
	West								
5 Time : <u>17:15</u> Did it? <u>(Y/N)</u> Wildlife? <u>(Y/N)</u>	North								
	East								
	South								
	West								

No wildlife



AGNICO EAGLE

Date: Mar 30, 2019 Height-of-lands Field Sheet (Whale Tail Trail Road)

Field Team: Sonneteam Pauline / Gabriel Todic

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation:

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time : 16:30 Did it? <u>(Y)</u> /N Wildlife? <u>(Y)</u> /N	North								
	East								
	South								
	West								
2 Time : 15:30 Did it? <u>(Y)</u> /N Wildlife? <u>(Y)</u> /N	North								
	East								
	South								
	West								
3 Time : 12:58 Did it? <u>(Y)</u> /N Wildlife? <u>(Y)</u> /N	North								
	East								
	South								
	West	<u>Observed</u>	<u>1</u>	<u>Asic</u>	<u>Flying</u>	<u>West</u>	<u>West</u>		<u>100M</u>
4 Time : 11:50 Did it? <u>(Y)</u> /N Wildlife? <u>(Y)</u> /N	North								
	East								
	South								
	West								
5 Time : 10:40 Did it? <u>(Y)</u> /N Wildlife? <u>(Y)</u> /N	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: 2019-06-05

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: HBA & Martin

Temperature:

C°

Wind Speed:

Wind Direction: North west

Visibility (check):

☐ 100m

☐ 500m

☒ 1 km Precipitation: NONE

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Wildlife? Y / <input checked="" type="checkbox"/> N	North	Caribou	2	Tundra	Walking	North	West	2000	500
	East								
	South								
	West								
2 Time : Did it? : <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Wildlife? Y / <input checked="" type="checkbox"/> N	North								
	East								
	South								
	West								
3 Time : Did it? : <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Wildlife? Y / <input checked="" type="checkbox"/> N	North	Caribou	3	Tundra	walking	North	West	2000	2000
	East								
	South								
	West								
4 Time : Did it? : <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Wildlife? Y / <input checked="" type="checkbox"/> N	North	Geese	~15	Flying	Flying	North	east	~400	200
	East	Caribou	6	Tundra	Walking	North	east	1200	1800
	South								
	West	Arctic hare	1	Tundra	walking	North	east	0	200
5 Time : Did it? : <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N Wildlife? Y / <input checked="" type="checkbox"/> N	North								
	East								
	South								
	West								

AGNICO EAGLE

Date: 20/06/2014

Height of Lands Field Sheet (Whale Tail Haul Road)

Field Team: M.G. C.G.P.

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km

Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: <u>13:30</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								
2 Time: <u>11:30</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								
3 Time: <u>10:30</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South	<u>Canada goose</u>	<u>6</u>	<u>N/A</u>	<u>FL</u>	<u>East to west</u>	<u>East</u>	<u>300</u>	<u>50</u>
	West	<u>Ptarmigan</u>	<u>2</u>	<u>tundra</u>	<u>RE</u>	<u>N/A</u>	<u>West</u>	<u>500</u>	<u>100</u>
4 Time: <u>9:30</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								
5 Time: <u>8:30</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North	<u>Amr. Hare</u>	<u>1</u>	<u>tundra</u>	<u>WS</u>	<u>N/A</u>	<u>East</u>	<u>300</u>	<u>150</u>
	East	<u>Ptarmigan</u>	<u>1</u>	<u>tundra</u>	<u>RE</u>	<u>N/A</u>	<u>East</u>	<u>300</u>	<u>150</u>
	South								
	West								



July 17, 2019

AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: 14:43 Did it? : <input checked="" type="radio"/> Y / <input type="radio"/> N Wildlife? <input checked="" type="radio"/> Y / <input type="radio"/> N	North	X							
	East	Muskox	1	Tundra	WS	N	E	1000	500
	South	X							
	West	X							
2 Time: Did it? : <input type="radio"/> Y / <input type="radio"/> N Wildlife? Y / <input type="radio"/> N	North	X							
	East	X							
	South	X							
	West	X							
3 Time: Did it? : <input type="radio"/> Y / <input type="radio"/> N Wildlife? Y / <input type="radio"/> N	North	X							
	East	X							
	South	X							
	West	X							
4 Time: Did it? : <input type="radio"/> Y / <input type="radio"/> N Wildlife? <input type="radio"/> Y / <input type="radio"/> N	North	Muskox	1	Tundra	WS	E	E	2000	1000
	East	X							
	South	X							
	West	X							
5 Time: Did it? : <input type="radio"/> Y / <input type="radio"/> N Wildlife? Y / <input type="radio"/> N	North	X							
	East	X							
	South	X							
	West	X							



AGNICO EAGLE

Date: July 24 2019

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: M. G. J. G.

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation: 0

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: 7:31 Did it? (Y/N) Wildlife? Y/N	North								
	East	Arctic Hare	1	HT	WS		E	600	200
	South								
	West	Muskox	14	HT	FO	N/A	W	600m	1000
2 Time: 9:50 Did it? (Y/N) Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time: 9:43 Did it? (Y/N) Wildlife? Y/N	North								
	East	Seagull	1	N/A	FI	N	E	200	600
	South							300	
	West								
4 Time: 10:50 Did it? (Y/N) Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time: 11:53 Did it? (Y/N) Wildlife? Y/N	North								
	East								
	South								
	West	Seagull	1		FI	N		300	600



AGNICO EAGLE

Date: Aug 14 2019

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: J.P. J.A.

Temperature: 6.5°C

Wind Speed: 0

Wind Direction: Ø

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : <u>8:15</u> Did it? : <u>(Y)/N</u> Wildlife? <u>(Y)/N</u>	North								
	East								
	South								
	West								
2 Time : <u>8:45</u> Did it? : <u>(Y)/N</u> Wildlife? <u>(Y)/N</u>	North								
	East								
	South								
	West								
3 Time : <u>9:00</u> Did it? : <u>(Y)/N</u> Wildlife? <u>(Y)/N</u>	North								
	East								
	South								
	West								
4 Time : <u>9:02</u> Did it? : <u>(Y)/N</u> Wildlife? <u>(Y)/N</u>	North								
	East								
	South								
	West								
5 Time : <u>10:16</u> Did it? : <u>(Y)/N</u> Wildlife? <u>(Y)/N</u>	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: Aug 21 2019

Height of lands Field Sheet (Whale Tail Haul Road)

Field Team: J.P. & L.A.

Temperature: 17°C

Wind Speed: 20 km/hr

Wind Direction: 55W

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km

Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : <u>8:00</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
2 Time : <u>8:40</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
3 Time : <u>3:00</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South	<u>Caribou</u>	<u>1</u>	<u>HT</u>	<u>FO</u>	<u>S</u>	<u>W W</u>	<u>100</u>	<u>400</u>
	West								
4 Time : <u>1:45</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East	<u>C</u>							
	South								
	West								
5 Time : <u>1:00</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East	<u>Caribou</u>	<u>1</u>	<u>HT</u>	<u>WS</u>	<u>S</u>		<u>700</u>	<u>600</u>
	South								
	West	<u>Caribou</u>	<u>4</u>	<u>H/T</u>	<u>WS</u>	<u>S</u>		<u>1 km</u>	<u>1 1/2 km</u>



AGNICO EAGLE

Aug 26 2019

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time: 1330 Did it? Y/N Wildlife? Y/N	North	 							
	East	 							
	South	 							
	West	 							
2 Time: 1119 Did it? Y/N Wildlife? Y/N	North	 							
	East	 							
	South	 							
	West	 							
3 Time: 1009 Did it? Y/N Wildlife? Y/N	North	Caribou	57	HT	Relax	S	330 W	950	700
	East								
	South								
	West	-	48	HT	Relax	S	W	11km	800
4 Time: 930 Did it? Y/N Wildlife? Y/N	North	 							
	East	 							
	South	 							
	West	 							
5 Time: Did it? Y/N Wildlife? Y/N	North								
	East								
	South								
	West								

4 3.50 H014 1 Caribou WS N 850m 450 from H014



Aug 27 2019

AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : 1:30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South	Caribou	6	HT	Ro	S	E	1km	2km
	West	-	1	Road	Re	S	Road	on Road	900

Aug 29 2019



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access, it is important all fields in the table below are completed

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time: 1:30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time: 2:16 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time: 3:36 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West	Caribou	2	H/T	f0	S	W	1.5 km	1 km
4 Time: 10:20 Did it? : Y/N Wildlife? Y/N	North								
	East	owl	1	F1	f1	S	E	1 km	500m
	South								
	West								
5 Time: 9:30 Did it? : Y/N Wildlife? Y/N	North								
	East	Caribou	13	H/T	W3/f0	S	L	3 km	2 km
	South								
	West	Caribou	17	H/T	W3/f0	S	R	1 km	2 km



AGNICO EAGLE

Date: Sept. 4, 2019

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: Isabelle T / Hugh N

Temperature: 5°C

Wind Speed: 14 km/hr

Wind Direction: NW

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
<u>1</u> Time: <u>11:55</u> Did it? <u>Y</u> <u>N</u> Wildlife? <u>Y</u> <u>N</u>	North	<u>snow Geese</u>	<u>30-40</u>	<u>Tundra</u>	<u>Feeding</u>	<u>—</u>	<u>East</u>	<u>200-300m</u>	<u>1 km</u>
	East	<u>snow Geese</u>	<u>30-40</u>	<u>Tundra</u>	<u>Feeding</u>				
	South								
	West								
<u>2</u> Time: <u>4:05</u> Did it? <u>Y</u> <u>N</u> Wildlife? <u>Y</u> <u>N</u>	North								
	East	<u>snow Geese</u>	<u>15-20</u>	<u>Tundra</u>	<u>Feeding</u>	<u>—</u>	<u>East</u>	<u>1-2 km</u>	<u>1 km</u>
	South								
	West								
<u>3</u> Time: <u>2:45</u> Did it? <u>Y</u> <u>N</u> Wildlife? <u>Y</u> <u>N</u>	North	<u>snow Geese</u>	<u>80</u>	<u>Tundra</u>	<u>Feeding</u>	<u>East</u>	<u>East</u>	<u>500m</u>	<u>800m</u>
	East	<u>Caribou</u>	<u>2</u>	<u>Tundra</u>	<u>Feeding</u>	<u>East</u>	<u>West</u>	<u>1-2 km</u>	<u>1-2 km</u>
	South	<u>snow Geese</u>	<u>20</u>		<u>FL</u>	<u>West</u>	<u>West</u>	<u>Feeds over</u>	<u>Feeds over</u>
	West								
<u>4</u> Time: <u>10:15</u> Did it? <u>Y</u> <u>N</u> Wildlife? <u>Y</u> <u>N</u>	North								
	East	<u>snow Geese</u>	<u>160</u>	<u>Near lake</u>	<u>Feeding</u>	<u>N-W</u>	<u>East</u>	<u>2 km</u>	<u>2 km</u>
	South			<u>Tundra</u>	<u>Hunting</u>	<u>N</u>	<u>West</u>	<u>1 km</u>	<u>1 km</u>
	West	<u>OWL</u>	<u>1</u>	<u>Tundra</u>	<u>Hunting</u>				
<u>5</u> Time: <u>11:40</u> Did it? <u>Y</u> <u>N</u> Wildlife? <u>Y</u> <u>N</u>	North								
	East	<u>snow Geese</u>	<u>10</u>	<u>Tundra</u>	<u>Feeding</u>	<u>N</u>	<u>East</u>	<u>1 km</u>	<u>1 km</u>
	South								
	West								



AGNICO EAGLE

Date: Sept 11 2019

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: J.P.

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: <u>14:30</u> Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time: <u>14:30</u> Did it? : Y/N Wildlife? Y/N	North								
	East	<u>Lucy</u>	<u>33</u>	<u>HT</u>	<u>F0</u>	<u>S</u>	<u>L</u>	<u>900</u>	<u>20</u>
	South								
	West								
3 Time: <u>14:43</u> Did it? : Y/N Wildlife? Y/N	North								
	East	<u>Lucy</u>	<u>32/16</u>	<u>HT</u>	<u>F1</u>	<u>S</u>	<u>E</u>	<u>1km</u>	<u>500</u>
	South								
	West	<u>Lucy</u>	<u>10</u>		<u>C1</u>				
4 Time: <u>14:58</u> Did it? : Y/N Wildlife? Y/N	North	<u>Lucy</u>	<u>30</u>	<u>HT</u>	<u>F0/41</u>	<u>S</u>	<u>W</u>	<u>200</u>	<u>1km</u>
	East								
	South								
	West	<u>Lucy</u>	<u>2</u>	<u>HT</u>	<u>F0</u>	<u>S</u>	<u>W</u>	<u>100</u>	<u>700</u>
5 Time: <u>15:00</u> Did it? : Y/N Wildlife? Y/N	North								
	East	<u>Collared</u>	<u>3/6 Aug</u>	<u>HT</u>	<u>F0/WS</u>	<u>S</u>	<u>Back</u>	<u>1km</u>	<u>2km</u>
	South	<u>Subcollared</u>	<u>16/2</u>	<u>HT</u>	<u>F0/RE</u>	<u>S</u>	<u>Left</u>	<u>1km/1.5km</u>	<u>1km/2km</u>
	West								



AGNICO EAGLE

Date: Sept 12 2009

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: D.T. 38

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km Precipitation:

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time : 7:09 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: Sept 19, 2019 Time Started: 8:00am Time Ended: 8:00am
Temperature: 2.5 Wind Speed: 23 Wind Direction: NE
Visibility (check): ☐ 100m ☐ 500m ☐ 1 km ☐ > 1 km Precipitation: ☐ Field Team: NE

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: <u>8:30</u> Did it? <u>Y</u> /N Wildlife? Y/N	North	<u>Snow Bunting</u>	<u>10</u>					<u>300</u>	<u>On Top</u>
	East								
	South	<u>Geese</u>	<u>20</u>		<u>Flying</u>	<u>South</u>	<u>East</u>		
	West								
2 Time: <u>9:15</u> Did it? <u>Y</u> /N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time: <u>10:15</u> Did it? <u>Y</u> /N Wildlife? Y/N	North	<u>Geese</u>	<u>6</u>		<u>Flying</u>	<u>South</u>			
	East								
	South	<u>Parrusian</u>	<u>15</u>		<u>Feeding</u>		<u>West</u>	<u>1300</u>	<u>20</u>
	West								
4 Time: <u>11:10</u> Did it? <u>Y</u> /N Wildlife? Y/N	North	<u>Snow Geese</u>	<u>20</u>	<u>Turkey</u>	<u>Feeding</u>		<u>East</u>	<u>300</u>	<u>100</u>
	East								
	South	<u>Snow Geese</u>	<u>50</u>		<u>Flying</u>	<u>North</u>	<u>East</u>	<u>50</u>	<u>Feel over</u>
	West								
5 Time: <u>11:10</u> Did it? <u>Y</u> /N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: 2019-09-25 Time Started: 10:15 Time Ended: 13:45
Temperature: 6°C Wind Speed: 65 km/h Wind Direction: NNE
Visibility (check): ☐ 100m ☐ 500m ☒ 1 km ☐ > 1 km Precipitation: ☐ Field Team: M.A. A.B.

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/ <u>N</u> Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : <u>10:30</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North	<u>NOTHING</u>							
	East	<u>Arctic Hare</u>	<u>3</u>	<u>Lichen-Rock</u>	<u>Resting</u>	<u>—</u>	<u>E</u>	<u>500m</u>	<u>100m</u>
	South	<u>NOTHING</u>							
	West	<u>NOTHING</u>							
3 Time : Did it? : Y/ <u>N</u> Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/ <u>N</u> Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : <u>13:30</u> Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North	<u>NOTHING</u>							
	East	<u>"</u>							
	South	<u>"</u>							
	West	<u>"</u>							



AGNICO EAGLE

Date: Oct 11 2019

Height of Lands Field Sheet (Whale Tail Haul Road)

Field Team: J.P.

Temperature:

Wind Speed:

Wind Direction:

Visibility (check):

☐ 100m

☐ 500m

☒ 1 km

Precipitation: Clear

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : <u>11:36</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East	<u>Caribou</u>	<u>31</u>	<u>HT</u>	<u>WS</u>	<u>N</u>	<u>East To west</u>	<u>150</u>	<u>950</u>
	South								
	West								
5 Time : <u>9:45</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South	<u>Caribou</u>	<u>200+</u>	<u>H/T</u>	<u>fo/WS</u>	<u>S</u>	<u>E</u>	<u>3km</u>	<u>1.5</u>
	West	<u>Caribou/Wolf</u>	<u>48/1</u>	<u>HT</u>	<u>Rn</u>	<u>S</u>	<u>W</u>	<u>1.5 km</u>	<u>2.5 km</u>



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: 02/14/2019

9:25

Time Started:

Time Ended:

Temperature: -14

Wind Speed:

30 km

Wind Direction: North

Visibility (check): ☐ 100m

☐ 500m

☐ 1 km

☒ > 1 km

Precipitation:

Field Team: JP

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East	<u>Caribou</u>	<u>250+</u>	<u>H1T</u>	<u>PO/KG</u>	<u>Roast</u>		<u>1.5km</u>	<u>1. Km</u>
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: 2019-10-16

Height-of-lands Field Sheet (Whale Tail Trail Road)

Field Team: AS/DN

Temperature:

Wind Speed:

Wind Direction:

Visibility (check):

☐ 100m

☐ 500m

☐ 1 km Precipitation:

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : <u>9:00</u> Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
2 Time : <u>10:00</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North	<u>Phalaris</u>	<u>15</u>	<u>snow</u>	<u>resting</u>	<u>—</u>	<u>east</u>	<u>300m</u>	<u>300</u>
	East								
	South								
	West								
3 Time : <u>10:50</u> Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access, it is important all fields in the table below are completed

Date: 2019-10-23

Time Started: 8:00

Time Ended: 11:00

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☐ 1 km ☒ > 1 km

Precipitation:

Field Team:

AGNICO

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time: Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time: Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time: Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time: Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: Oct. 24, 2019

Time Started: 9:00 am Time Ended: 3:00 pm

Temperature: -7

Wind Speed: 15K

Wind Direction: WNW

Visibility (check): ☐ 100m ☐ 500m ☐ 1 km ☒ > 1 km

Precipitation:

Field Team: DJ/HN

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: <u>9:15</u> Did it? <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
2 Time: <u>9:15</u> Did it? <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
3 Time: <u>9:15</u> Did it? <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
4 Time: <u>11:12</u> Did it? <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
5 Time: <u>11:12</u> Did it? <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: 19-10-20

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: DN/ES

Temperature: -9

Wind Speed: 6.2

Wind Direction: NNW

Visibility (check): ☐ 100m

☒ 500m

☐ 1 km

Precipitation: None

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : <u>10:15 AM</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North	<u>Wolverine</u>	<u>1</u>	<u>HT</u>	<u>WB</u>	<u>N</u>	<u>E</u>	<u>50m</u>	<u>2m</u>
	East								
	South								
	West								



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 2019-10-30

Temperature: -9°C

Visibility (check): ☐ 100m ☐ 500m ☒ 1 km

Wind Speed: 4 km/h

Precipitation: None

Wind Direction: SW

Field Team: Chris Shooka, Isabelle Couture

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : <u>17:00</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								
4 Time : <u>16:15</u> Did it? : <u>Y/N</u> Wildlife? <u>Y/N</u>	North								
	East								
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: Nov 13 2019 Height of lands Field Sheet (Whale Tail Haul Road)

Field Team: J.B.

Temperature: -25

Wind Speed: 40 to 60

Wind Direction: NW

Visibility (check): ☐ 100m ☐ 500m

☒ 1 km Precipitation: For visibility / Clear

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: <u>1:00</u> Did it? <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
2 Time: <u>1:00</u> Did it? <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
3 Time: <u>1:00</u> Did it? <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
4 Time: <u>2:30</u> Did it? <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
5 Time: <u>3:20</u> Did it? <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: 19-11-16

Time Started: 13:00

Time Ended: 17:00

Temperature:

Wind Speed:

Wind Direction:

Visibility (check): ☐ 100m

☒ 500m

☐ 1 km

☐ > 1 km

Precipitation:

Field Team:

Decker
HN

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : 13:30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : 14:30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Date: 19-11-17

Height-of-lands Field Sheet (Whale Tail Haul Road)

Field Team: Dasek N

Temperature:

Wind Speed:

Wind Direction:

Visibility (check):

☒ 100m

☐ 500m

☐ 1 km

Precipitation: Fog

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : <u>11:30</u> Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
3 Time : <u>13:55</u> Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								
4 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : <u>14:54</u> Did it? : <u>Y</u> /N Wildlife? Y/ <u>N</u>	North								
	East								
	South								
	West								



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 2019-11-24

Field Team: Kevin Martee & Marilyne Arcand

Temperature: -24C (day average)

Wind Speed: 10.9 Km/h (day average)

Wind Direction: West

Visibility (check): ☐ 100m

☐ 500m

☒ 1 km Precipitation: N/A

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : 13:50 Did it? : Y/N Wildlife? Y / N	North								
	East								
	South								
	West								
2 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								
3 Time : 14:55 Did it? : Y/N Wildlife? Y / N	North								
	East								
	South								
	West								
4 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								
5 Time : Did it? : Y / N Wildlife? Y / N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: Nov 27 2019

Time Started: 9:05

Time Ended:

Temperature:

Wind Speed:

Wind Direction: N

Visibility (check): ☐ 100m

☒ 500m

☐ 1 km

☐ >1 km

Precipitation: 85

Field Team: J.R.D.N.

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : <u>9:56</u> Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : <u>9:17</u> Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: Nov 28 2019

Time Started: 8:55

Time Ended:

Temperature:

Wind Speed:

Wind Direction: NW

Visibility (check): ☐ 100m ☐ 500m

☒ 1 km ☐ > 1 km

Precipitation: 0.6mm Field Team: N.C., J.P.

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time: <u>8:50</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
2 Time: <u>9:30</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
3 Time: <u>10:50</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
4 Time: <u>11:58</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								
5 Time: <u>12:17</u> Did it? : <u>Y</u> /N Wildlife? <u>Y</u> /N	North								
	East								
	South								
	West								



AGNICO EAGLE

Height-of-lands Field Sheet (Whale Tail Haul Road)

Date: 12/12/2019

Field Team: J.D. ON

Temperature: 27

Wind Speed:

Wind Direction:

Visibility (check):

☐ 100m

☐ 500m

☒ 1 km

Precipitation:

H.O.L.	Cardinal point	Species	Qty	Habitat Type	Behaviour	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L.(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : 13:26 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : 10:45 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : 9:30 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								



AGNICO EAGLE

Whale tail Road Wildlife Survey Field Sheet

This form is for collaborative systematic monitoring of the access; it is important all fields in the table below are completed

Date: 19.12.15 Time Started: 10:45 Time Ended: 13:00

Temperature: Wind Speed: Wind Direction:

Visibility (check): ☐ 100m ☐ 500m ☐ 1 km ☒ > 1 km Precipitation: Field Team: DN

H.O.L	Cardinal point	Species	Qty	Habitat Type	Behavior	Direction of Travel	Side of the road Road	Distance from Road (m)	Distance from H.O.L(m)
1 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
2 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
3 Time : Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
4 Time : 11:15 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								
5 Time : 16:45 Did it? : Y/N Wildlife? Y/N	North								
	East								
	South								
	West								

APPENDIX I

Remote Camera Protocol – Whale Tail Haul Road

TECHNICAL MEMORANDUM

DATE 27 November 2019

Project No. 19124290-412-TM-Rev0

TO Robin Allard
Agnico Eagle

CC Nancy Duquet-Harvey (Agnico Eagle)
Corey De La Mare, Daniel Coulton (Golder)

FROM Carolina Leseigneur Torres and Lynnette Dagenais

EMAIL
Carolina_LeseigneurTorres@golder.com

REMOTE CAMERA PROTOCOL – WHALE TAIL HAUL ROAD

1.0 INTRODUCTION

This technical memorandum outlines a standard protocol for the remote camera program for the Whale Tail Haul Road. The remote camera program is part of the on-site caribou monitoring program as outlined in the Terrestrial Ecosystem Management Plan (TEMP; Agnico Eagle 2019). A pilot camera monitoring program was initiated in October 2018 to assess the suitability of the use of remote cameras to collect supplemental data on caribou crossings along the Whale Tail Haul Road. For reference, details on the 2018 program are included in Appendix A.

During the Technical Meetings for the Whale Tail Pit Expansion Project that were held from June 11 to 13, 2019 in Baker Lake, Nunavut, Agnico Eagle Mines Limited (Agnico Eagle) committed to develop a study design to examine the permeability of the Whale Tail Haul Road to caribou movement as those interactions relate to the physical parameters of the road, including backfill height, slope and material grain size (Commitment #13). As the 2018 program was not designed to monitor caribou use relative to the physical parameters of the Haul Road, a new program design was required. The 2019 protocol outlined in this document allows for comparisons to determine if caribou crossing locations along the Whale Tail Haul Road are related to the physical parameters of the road. Further details about the design of the 2019 camera monitoring program are provided in the sections below.

2.0 OVERVIEW AND BACKGROUND INFORMATION

The Whale Tail Haul Road (hereafter referred to as the 'Haul Road') is approximately 65 kilometres (km) in length and connects the Meadowbank Mine to the Whale Tail Pit. The Haul Road is an extension of the All-Weather Access Road (AWAR) that connects the Meadowbank Mine to the community of Baker Lake, Nunavut. As described in the Final Environmental Impact Statement (FEIS) and FEIS Addendum for the Whale Tail Project (Golder 2016, 2018), the general area around the Meadowbank Mine (including the Whale Tail Pit) is largely composed of low sloping uplands, plains, and valleys, with frequent lichen-covered rock outcrops and tundra vegetation. Closer to the mine, Whale Tail Pit, and the Haul Road there are rolling hills with abundant lakes and ponds.

Barren-ground caribou (*Rangifer tarandus tarandus*) cross the Haul Road during the spring and fall migrations to reach calving and wintering areas, respectively (Golder 2016). Per the FEIS Addendum for the Whale Tail Expansion Project (Golder 2018), the Haul Road is currently 9.5 metres (m) wide but is proposed to be expanded to 15 m in width for improved traffic safety. If the road is expanded, it will maintain design parameters that allow caribou and other wildlife to cross (i.e., a 4:1 slope). The majority of the Haul Road has an average height of 1.2 m, with approximately 75% of the Haul Road having a height of less than 1.5 m from the ground surface. The Whale Tail and IVR pits, the underground mine, and associated components will operate as a satellite of the main Meadowbank Mine and will be accessed via the Haul Road. Haul Road traffic volumes will remain the same as those previously assessed under the FEIS for the Whale Tail Project (see Volume 4, Appendix 4-B, Table 4-B-15 in Golder 2016; and Volume 4, Appendix B, Table 4-B-20 in Golder 2018). As a commitment during the Whale Tail Expansion Project review phase (Commitment #8), a caribou crossing analysis was completed for the Haul Road to inform on potential areas where physical parameters might be modified to improve caribou passage (Golder 2019a). This analysis considered caribou collar data, Meadowbank Mine monitoring data and Traditional Knowledge on caribou migration through the area.

Motion-triggered cameras have been in use for wildlife research for many years (Cutler and Swann 1999), and their use has increased in recent years as the technology has become more affordable and accessible. The use of remote cameras along roads to monitor various activities, including wildlife activity, is becoming more common (Noel et al. 2006; Braden et al. 2008; Dunne and Quinne 2009). The advantage of cameras over other methods such as track counts, radio telemetry and visual and drive-by surveys is that remote cameras can be deployed year-round with minimal invasiveness to wildlife, whereas the other methods can often be tied down to 'snapshots in time' or limited in visual area observed.

3.0 2019 REMOTE CAMERA PROTOCOL

Remote cameras are to be deployed year-round, with regular visits to complete photo downloads and maintenance. Remote camera effort is determined as the number of days a camera is operational and taking at least one timed photo per day.

Procedures for software settings for camera and memory card settings, time settings, data recording and additional instructions on camera setup are provided in the Specific Work Instructions and Technical Procedures in Appendix B.

3.1 Equipment

- 20 Reconyx HyperFire 2 Professional Covert IR Camera OD Green cameras
 - Field of View (FOV) angle: 38°
- 20 SD Cards, 32GB Reconyx-certified memory cards
- Lithium batteries (AA size – 12 per camera)
- 20 sets of combination locks and bungee cords for field setup
- Data sheets for camera deployment, maintenance checks, and retrieval

3.2 Camera Monitoring Locations

The 2019 remote camera monitoring locations are based on recent analyses completed using available caribou collar data from 1998 to 2019 for the Lorillard herd, as well as Meadowbank Mine monitoring data and Traditional Knowledge on caribou migration (Golder 2019a). The study design for camera monitoring at the Ekati mine was also considered (ERM 2016). Golder (2019b) found that caribou crossing locations along the Haul Road varied along the length of the road. Common crossing locations occur between KM 113 (previously KM 0) to KM 123, KM 145 to KM 151, KM 154 to KM 158, KM 161 to KM 165 and KM 168 to KM 177 (end of Haul Road). The locations with the highest crossing frequencies, based on collar data, occur within the first 10 km of the Haul Road (Golder 2019a). Selected locations also considered the distribution of categories of road height, which is described below. Other physical attributes of the Haul Road such as slope and material size are unknown at this time but will be measured in the field.

The 2019 remote camera locations are presented in Table 1 and shown (in pairs) on Figure 2. These locations take into account high-frequency crossing locations along the Haul Road (Golder 2019a), as well as road elevation (per data provided by Agnico Eagle in 2019). A coarse-level engineering assessment of Haul Road height indicates that approximately 48.8 km (75%) of the Haul Road is less than 1.5 m, 11.7 km (18%) is from 1.5 m to 3.0 m and 4.6 km (7%) is greater than 3.0 m. To determine if road elevation (and other physical parameters) influences caribou movements across the Haul Road, three sets of camera pairs were placed at locations where the road height is 1.5 to 3 m and >3 m above the surrounding landscape, respectively. Four camera pairs were placed in road elevations <1.5 m as most of the Haul Road is within this height category and caribou crossing most commonly occur where the road is <1.5 m higher than the surrounding landscape.

Table 1: 2019 Remote Camera Locations -

Remote Camera Label	KM Location Reference	Road Height (m)	UTM Coordinates (NAD83; Zone 14W)	
			Easting	Northing
AECC01/AECC02	117	>3	638160	7221584
AECC03/AECC04	132	>3	631978	7233582
AECC05/AECC06	136	1.5 to 3	628561	7235925
AECC07/AECC08	138	<1.5	626880	7236344
AECC09/AECC10	146	>3	619900	7235277
AECC11/AECC12	153	<1.5	618375	7239006
AECC13/AECC14	157	1.5 to 3	620722	7243305
AECC15/AECC16	161	<1.5	619336	7246442
AECC17/AECC18	170	<1.5	612382	7250114
AECC19/AECC20	172	1.5 to 3	611528	7251979

> = greater than; < = less than; KM = kilometre; m = metre; UTM = Universal Transverse Mercator

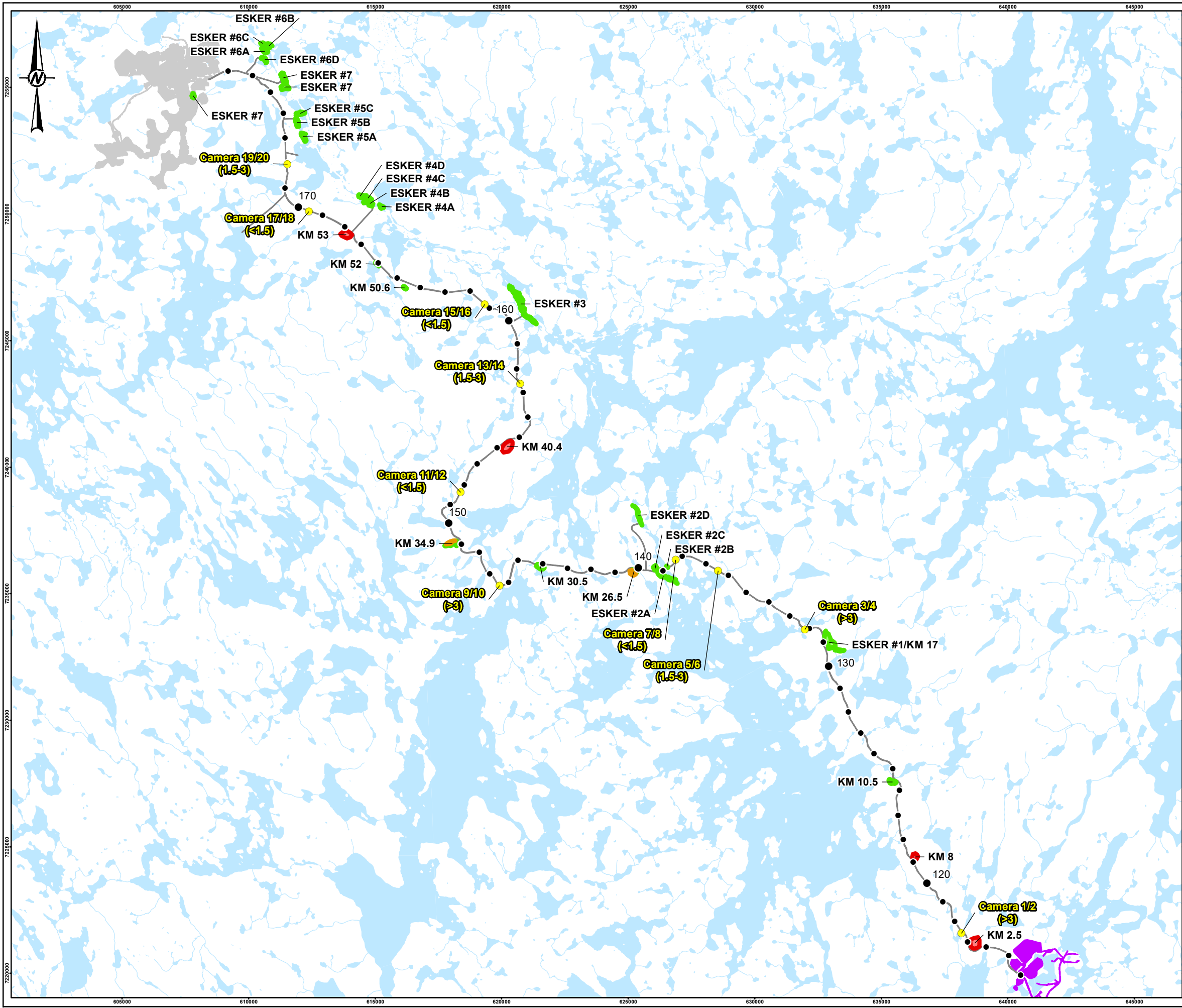
During deployment in early November 2019, it was noted that four cameras were no longer available; these cameras will be replaced. The remaining 16 active cameras were deployed at the locations indicated in Table 2, to monitor a range of locations with varying road heights. The cameras will be re-deployed per the locations in Table 1 once the additional cameras are purchased.

Table 2: 2019 Remote Camera Locations – Deployed November 2019

Remote Camera Label	KM Location Reference	Side of Road	Road Height (m)	UTM Coordinates (NAD83; Zone 14W)	
				Easting	Northing
AECC01/AECC02	117	West	>3	631995	7233610
AECC03/AECC04	132	West	>3	631995	7233610
AECC05/AECC06	136	West	1.5 to 3	628545	7235909
AECC07/AECC08	172	East	<1.5	611531	7251976
AECC09/AECC10	157	East	>3	620735	7243322
AECC11/AECC12	152	East	<1.5	618378	7239002
AECC15/AECC16	161	East	<1.5	612385	7250126
AECC17/AECC18	170	West	<1.5	612385	7250126

> = greater than; < = less than; KM = kilometre; m = metre; UTM = Universal Transverse Mercator

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LEGEND

- 2019 CARIBOU REMOTE CAMERA MONITORING LOCATION
- KILOMETRE MARKER
- WHALE TAIL
 - ESKER/QUARRY (APPROVED)
 - ESKER/QUARRY (EXPANSION)
 - ESKER/QUARRY (NEW)
- INFRASTRUCTURE
- HAUL ROAD
- MEADOWBANK OPERATION AND INFRASTRUCTURE
- WATERCOURSE
- WATERBODY

REFERENCE(S)

- INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED, DRAWING AMQ 202504V5.DWG.
- WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA. DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT

**AGNICO EAGLE**

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT
WHALE TAIL PIT - EXPANSION PROJECT

TITLE
2019 CARIBOU REMOTE CAMERA MONITORING LOCATIONS

CONSULTANT	YYYY-MM-DD	2019-10-24
	DESIGNED	LD
	PREPARED	CDB
	REVIEWED	
	APPROVED	

PROJECT NO.	CONTROL	REV.	FIGURE
19124290	8000/8020	A	1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B 28mm

3.3 Camera Deployment and Settings

The cameras will be deployed by Agnico Eagle technicians. At each location (Section 3.2) the first camera in the pair (camera A) will be placed facing parallel to the Haul Road (i.e., recording observations of caribou crossing the Haul Road) in one direction (e.g., north) (Figure 2). The second camera in the pair (camera B) will be placed facing parallel to the Haul Road in the opposite direction of camera A (e.g., south) (Figure 2). Cameras will be placed in close proximity to the Haul Road (within 5 m, approximately 1 m above ground level, see Appendix B). This configuration provides a field of view that will capture Haul Road traffic and caribou interactions with the Haul Road. This configuration is also consistent with camera-road monitoring completed at the Ekati mine (ERM 2016). Where possible, cameras should be positioned facing NE, NW, or N to avoid sun glare.

Camera timing will be set to the continuous motion-triggered setting, with additional timed interval photos occurring every hour.

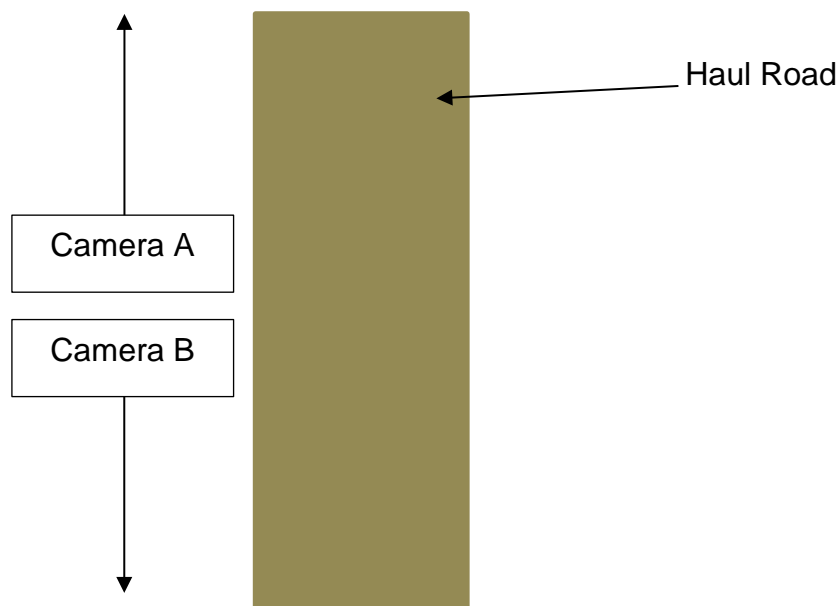


Figure 2: Example of 2019 Camera Positioning to Capture Caribou Crossing of the Haul Road

3.4 Camera Maintenance and Data Downloads

Maintenance checks and data downloads will occur at least every 1-2 months by Agnico Eagle technicians. Camera integrity and battery life will be checked during each maintenance visit. Additionally, the 32 GB memory cards will also be downloaded during each maintenance visit. The easiest way for crews to download the data is to have duplicate SD cards for the cameras and switch them out periodically. Memory cards must be of a certain type (speed and size) and programmed to properly function in the camera (see Appendix B and the HyperFire Instruction Manual).

If cameras require repair or replacement, they should be re-deployed at the earliest opportunity to minimize data loss.

3.5 Data Transfer

Data downloads from the remote cameras will be completed by Agnico Eagle technicians (Section 3.4) and saved on Agnico Eagle's computer systems. It is recommended that, at a minimum, downloaded data be transferred to Golder every quarter of any given year (e.g., January, April, July, and October).

Given the size of data files to be transferred, it is recommended to upload data to an external hard drive for shipment to Golder. The original files on Agnico Eagle's computer systems should be retained to minimize risk of data loss or corruption.

3.6 Photograph Review and Quality Assurance/Quality Control (QA/QC)

Remote camera photographs have inherent limitations tied to the field of view of the camera as well as potentially recording the same individual(s) more than once. As such, the quantitative analyses will be restricted to motion-trigger photos to eliminate potential bias of recording the same individual(s), and additional photos will be considered for supplementary or qualitative information.

The number of photos for each species will be determined by counting the number of separate detections, initiated by the first trigger of an identified wildlife species. For a particular species event, additional photos will not be counted until an hour had passed or until there is a distinguishable difference between separate individuals triggering the camera.

All data will undergo a QA/QC process, whereby at least 15% of the photos from each camera will be reviewed to determine if species and number of individuals observed are identified correctly.

3.7 Data Analysis

Species detections are defined as the number of individual observations for a given species or group.

A photo rate will be calculated for each species recorded and will be used as a metric for species relative abundance. A photo rate will be determined for each species photographed and will include vehicles. The photo rate is the number of detections of a given species divided by the camera station sampling effort in months. The number of active months for each camera will be calculated as follows:

$$\text{number of months} = (\text{number of active days} / 365 \text{ days}) * 12 \text{ months}$$

Statistical analyses will focus on investigating the interactions between caribou during spring and fall migrations and road elevation.

Additional analyses looking at caribou behaviour (Table 3) and if caribou crossing is influenced by the number of vehicles using the road may also be completed.

Table 3: Animal Behaviours

Behaviour	Description
Crossing Event	Caribou recorded crossing the road (fully crossed, walking or running)
Deflection Event	Caribou deflected or deterred from crossing (no full cross/return, walking or running)
Stressed Behaviour (Alert, Run)	Alert – evidence of stress or being startled (head up/down, tail flicks, quick run or change of direction) Deflection Event Running – can be split into running away from/along/off road
Neutral Behaviour (Stay/Stand, Walk)	Stay or standing Normal walking (along road)
Calm Behaviour (Resting, Foraging, Curiosity)	Resting/Laying Down away from or near road Foraging away from/near road Foraging while walking Curiosity (e.g. approach to investigate remote camera or parked vehicle in field or view)

3.8 Reporting

Results of the remote camera monitoring program will be reported as part of the TEMP Annual Report to the Nunavut Impact Review Board (NIRB), in compliance with Project Certificate No.008 Terms and Conditions and its respective amendments.

4.0 CLOSURE

We trust the above meets your needs. Please contact the undersigned if any questions or concerns.



Carolina Leseigneur Torres, M.Sc.
Project Manager, ESIA Specialist and Biologist



Lynnette Dagenais, M.Sc.
Terrestrial Ecologist



Corey De La Mare
Principal - Project Director, Senior Ecologist

CLT/LD/CD/jr

[https://golderassociates.sharepoint.com/sites/110051/project files/5 technical work/05_reporting_data_mgmt/remote camera monitoring plan-rprt/rev0/19124290-412-tm-remotecameraprotocol-mbk-wt-rev0.docx](https://golderassociates.sharepoint.com/sites/110051/project%20files/5%20technical%20work/05_reporting_data_mgmt/remote%20camera%20monitoring%20plan-rprt/rev0/19124290-412-tm-remotecameraprotocol-mbk-wt-rev0.docx)

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APPENDIX A

**2018 Remote Camera Program -
Whale Tail Haul Road**

WHALE TAIL HAUL ROAD – 2018 REMOTE CAMERA PROGRAM

The remote camera program was initiated on the Whale Tail Haul Road (Haul Road) on 22-30 October 2018, during the fall caribou migration. The purpose of the 2018 camera program was to obtain preliminary photographic data to examine if there were any observable trends related to the distribution of caribou road crossings and effects of traffic or road activities. These data can inform mitigation measures for traffic and road activities in tandem to data observed through ongoing caribou surveys and analysis of collared caribou data. Remote cameras were deployed in a simple paired design at select locations, within 15 to 25 m off the Haul Road on either side as follows:

- Camera 1: Facing the road, looking West (to capture crossing/avoidance of the road by caribou)
- Camera 2: Facing away from the road, looking West (to capture deflection/avoidance of the road by caribou)
- Timing: continuous motion-triggered setting, with timed interval photos every hour
 - Remote camera effort is tracked as number of days a camera was operational at a location and taking at least one timed photo per day.



Camera 1: Towards Road
(Camera 2 circled in red)



Camera 2: Away from Road

Figure A-1: Sample Camera Setup – October 2018

This camera setup allowed to observe caribou crossings and deflections to obtain preliminary observations and to inform future study design.

The majority of the remote camera pairs were placed between kilometer (KM) 116 (previously KM 2.5) and KM 159 (previously KM 46) along the Haul Road, with most placed between KM 116 and 142. These locations were selected based on a review of 2017 caribou collar data during the fall migration, as received from the Government of Nunavut (GN) under a data sharing agreement. The 2017 collar data indicated the majority of collared caribou crossed at locations between these two kilometer points, though this did not account for considerations of ground elevation and was based on a small number of collared caribou. The remote camera locations are summarized in Table A-1 and shown (in pairs) on Figure A-2.

Table A-1: Remote Camera Locations - October 2018

Remote Camera Label	KM Location Reference	UTM Coordinates (WGS 1984)	
		Easting	Northing
AECC01	KM 116	638850.715	7221003.392
AECC02	KM 116	638870.129	7220970.823
AECC03	KM 123	635713.623	7226020.663
AECC04	KM 123	635667.163	7226011.172
AECC05	KM 118	637976.932	7221904.714
AECC06	KM 118	638011.854	7221913.7
AECC07	KM 133	631236.581	7234210.812
AECC08	KM 133	631221.63	7234217.284
AECC09-02	KM 129	633423.422	7231113.989
AECC10-02	KM 129	633448.363	7231130.857
AECC11	KM 158.5	620616.892	7244380.36
AECC12	KM 158.5	620655.409	7244367.662
AECC13-2	KM 133.5	630998.124	7234324.403
AECC14-2	KM 133.5	631019.539	7234340.085
AECC15	KM 141	624700.038	7235822.134
AECC16	KM 141	624708.686	7235854.52
AECC17	KM 136	628944.039	7235753.636
AECC18	KM 136	628925.231	7235728.712
AECC19	KM 148.5	618657.106	7236612.722
AECC20	KM 148.5	618662.597	7236639.041

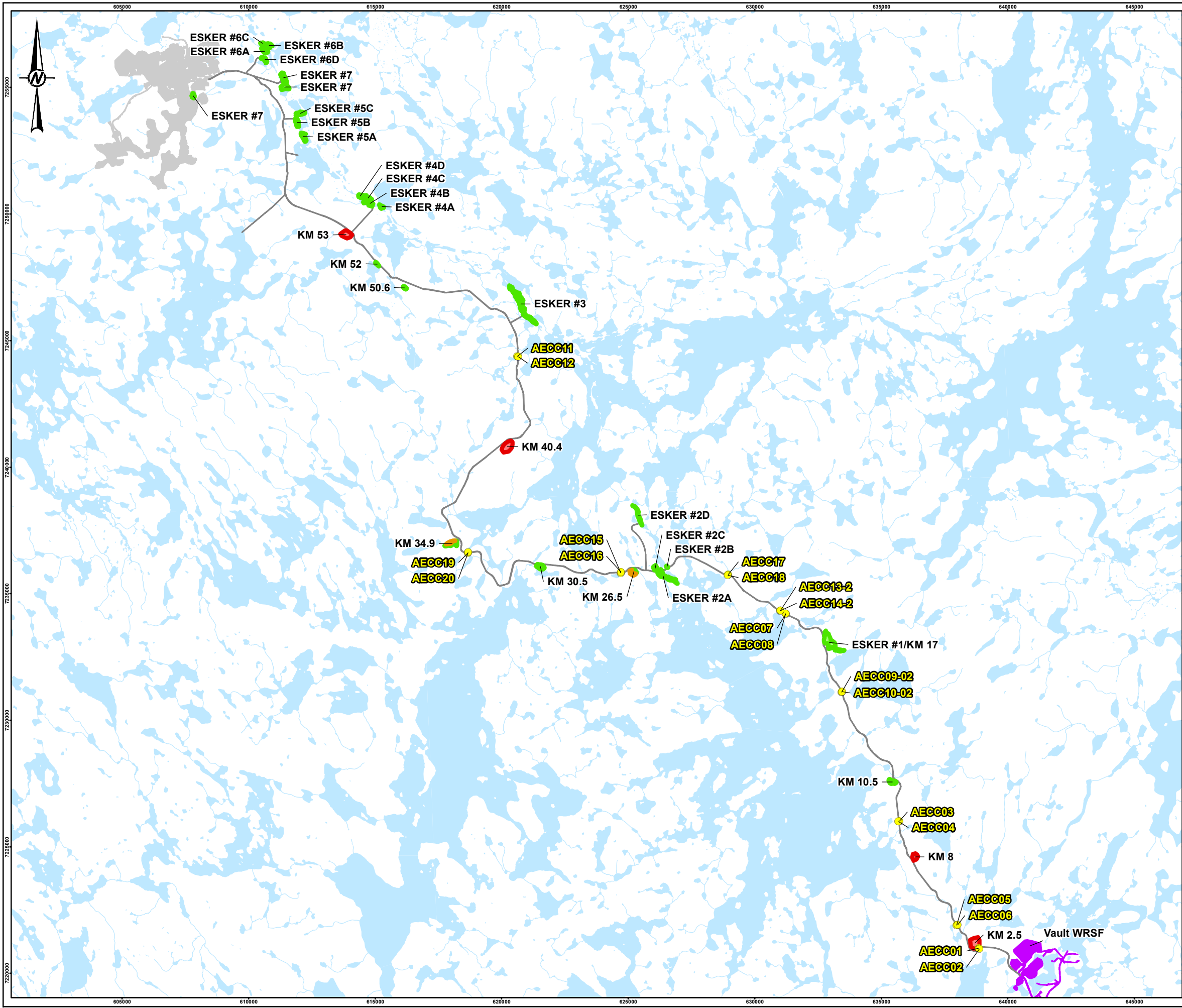
The remote camera monitoring locations are revised for the 2019 program moving forward, as outlined in the main document, based on recent analyses completed for available caribou collar data sourced from the GN between 1998 and 2019 for the Lorillard herd including a review of available literature (Golder 2019a,b). As reported, there is quantitative evidence (Boulanger et al. 2012, Golder 2014, 2016; Johnson et al. 2005; Plante et al. 2018) alongside Traditional Knowledge (Sadownik and Harries 1995; Jacobsen 2011) that caribou movements are relative to the presence of lakes, forage quality and topography, where movement rates are reduced in rugged terrain or where high quality habitat is encountered while large lakes are avoided.

The caribou movements for the Lorillard herd in relation to the Haul Road and the AWAR indicated that movement is reduced in high quality habitat and where large lakes are encountered, reflecting longer residencies and navigation to avoid lakes, respectively (Golder 2019b). Crossing locations along the Haul Road were varied along the length of the road – the more common crossing locations occur between KM 113 (previously KM 0) to 123, KM 145 to 151, KM 154 to 158, KM 161 to 165 and KM 168 to 177 (end of Haul Road), though the locations with the highest crossing frequencies, based on collar data, occur within the first 10 km of the Haul Road (Golder 2019a).

References

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- Golder. 2016. Whale Tail Pit Project, Final Environmental Impact Statement and Type A Water Licence Amendments. Amendment/Reconsideration of the Project Certificate (No.004) and Amendment to the Type A Water Licence (No.2AM-MEA1525). Prepared for Agnico Eagle Mines Limited by Golder Associates Ltd., Edmonton, AB. Submitted to the Nunavut Impact Review Board. June 2016.
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- Golder. 2019b. Lorillard Collared Caribou Movements – Implications from interacting with the Whale Tail Haul Project Road and All-Weather Access Road. Draft Report. Prepared for Agnico Eagle Mines Limited by Golder Associates Ltd., Victoria, BC. October 2019.
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LEGEND

- CARIBOU CAMERA MONITORING LOCATION
- WHALE TAIL
 - ESKER/QUARRY (APPROVED)
 - ESKER/QUARRY (EXPANSION)
 - ESKER/QUARRY (NEW)
- INFRASTRUCTURE
- HAUL ROAD
- MEADOWBANK OPERATION AND INFRASTRUCTURE
- WATERCOURSE
- WATERBODY

REFERENCE(S)

- INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED, DRAWING AMQ 202504V5.DWG.
- WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA. DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK AND WHALE TAIL - TEMP

TITLE

CARIBOU CAMERA MONITORING LOCATIONS

CONSULTANT	YYYY-MM-DD	2018-12-13
	DESIGNED	CS
	PREPARED	CDB
	REVIEWED	CD
	APPROVED	CD

PROJECT NO.	CONTROL	REV.	FIGURE
18101195	4000/4030	0	A-2

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APPENDIX B

Specific Work Instructions and Technical Procedures

APPENDIX J

Whale Tail Haul Road - Remote Camera 2018/2019 Summary

TECHNICAL MEMORANDUM

DATE 25 February 2020 **Project No.** 19124290-472-TM-Rev0

TO Robin Allard
Agnico Eagle Mines Limited

CC Nancy Duquet-Harvey (Agnico Eagle); Corey De La Mare (Golder)

FROM Carolina Leseigneur Torres & Chris Shapka **EMAIL** Carolina_LeseigneurTorres@golder.com

WHALE TAIL HAUL ROAD – REMOTE CAMERA 2018/2019 SUMMARY

1.0 INTRODUCTION

This technical memorandum outlines a summary for the 2018/2019 remote camera program for the Whale Tail Haul Road (Haul Road) for the Agnico Eagle Mines Limited (Agnico Eagle) Meadowbank Complex near Baker Lake, Nunavut. The remote camera program is part of the on-site caribou monitoring program as outlined in the Terrestrial Ecosystem Management Plan (TEMP; Agnico Eagle 2019). A pilot camera monitoring program was initiated in October 2018 to assess the suitability of the use of remote cameras to collect supplemental data on caribou crossings along the Haul Road.

2.0 OVERVIEW AND BACKGROUND INFORMATION

The Haul Road is approximately 65 kilometres (km) in length and connects the Meadowbank Mine to the Whale Tail Pit. The Haul Road is an extension of the All-Weather Access Road (AWAR) that connects the Meadowbank Mine to the community of Baker Lake. As described in the Final Environmental Impact Statement (FEIS) and FEIS Addendum for the Whale Tail and Whale Tail Expansion Projects (Golder 2016, 2018), the general area around the Meadowbank Mine (including the Whale Tail Pit) is largely composed of low sloping uplands, plains, and valleys, with frequent lichen-covered rock outcrops and tundra vegetation. Closer to the mine, Whale Tail Pit, and the Haul Road there are rolling hills with abundant lakes and ponds.

Barren-ground caribou (*Rangifer tarandus tarandus*) cross the Haul Road during the spring and fall migrations to reach calving and wintering areas, respectively (Golder 2016). Per the FEIS Addendum (Golder 2018), the Haul Road is currently 9.5 metres (m) wide but is approved to be expanded to 15 m in width for improved traffic safety. It will maintain design parameters that allow caribou and other wildlife to cross, where practical. The majority of the Haul Road has an average fill height of 1.2 m, with approximately 75% of the Haul Road having a fill height of less than 1.5 m from the ground surface.

Motion-triggered cameras have been in use for wildlife research for many years (Cutler and Swann 1999), and their use has increased in recent years as the technology has become more affordable and accessible. The use of remote cameras along roads to monitor various activities, including wildlife activity, is becoming more common (Noel et al. 2006; Braden et al. 2008; Dunne and Quinne 2009). The advantage of cameras over other methods

such as track counts, radio telemetry and visual and drive-by surveys is that remote cameras can be deployed year-round with minimal invasiveness to wildlife, whereas the other methods can often be tied down to 'snapshots in time' or limited in visual area observed.

3.0 METHODS - REMOTE CAMERA PROTOCOL

Remote cameras are to be deployed year-round, with regular visits to complete photo downloads and maintenance. Remote camera effort is determined as the number of days a camera is operational and taking at least one timed photo per day. The Remote Camera Protocol (Golder 2019a) outlines the protocols and methods for the program.

3.1 Camera Monitoring Locations – 2018/2019 Remote Camera Program

The remote camera program was initiated on the Haul Road on 22-30 October 2018, during the fall caribou migration. The purpose of the 2018/2019 camera program was to obtain preliminary photographic data to examine if there were any observable trends related to the distribution of caribou road crossings and effects of traffic or road activities. These data can inform mitigation measures for traffic and road activities in tandem to data observed through ongoing caribou surveys and analysis of collared caribou data. Remote cameras were deployed in a simple paired design at select locations, within 15 to 25 m off the Haul Road on either side as follows:

- Camera 1: Facing the road, looking West (to capture crossing/avoidance of the road by caribou)
- Camera 2: Facing away from the road, looking West (to capture deflection/avoidance of the road by caribou)
- Timing: continuous motion-triggered setting, with timed interval photos every hour
 - Remote camera effort is tracked as number of days a camera was operational at a location and taking at least one timed photo per day.



Camera 1: Towards Road
(Camera 2 circled in red)



Camera 2: Away from Road

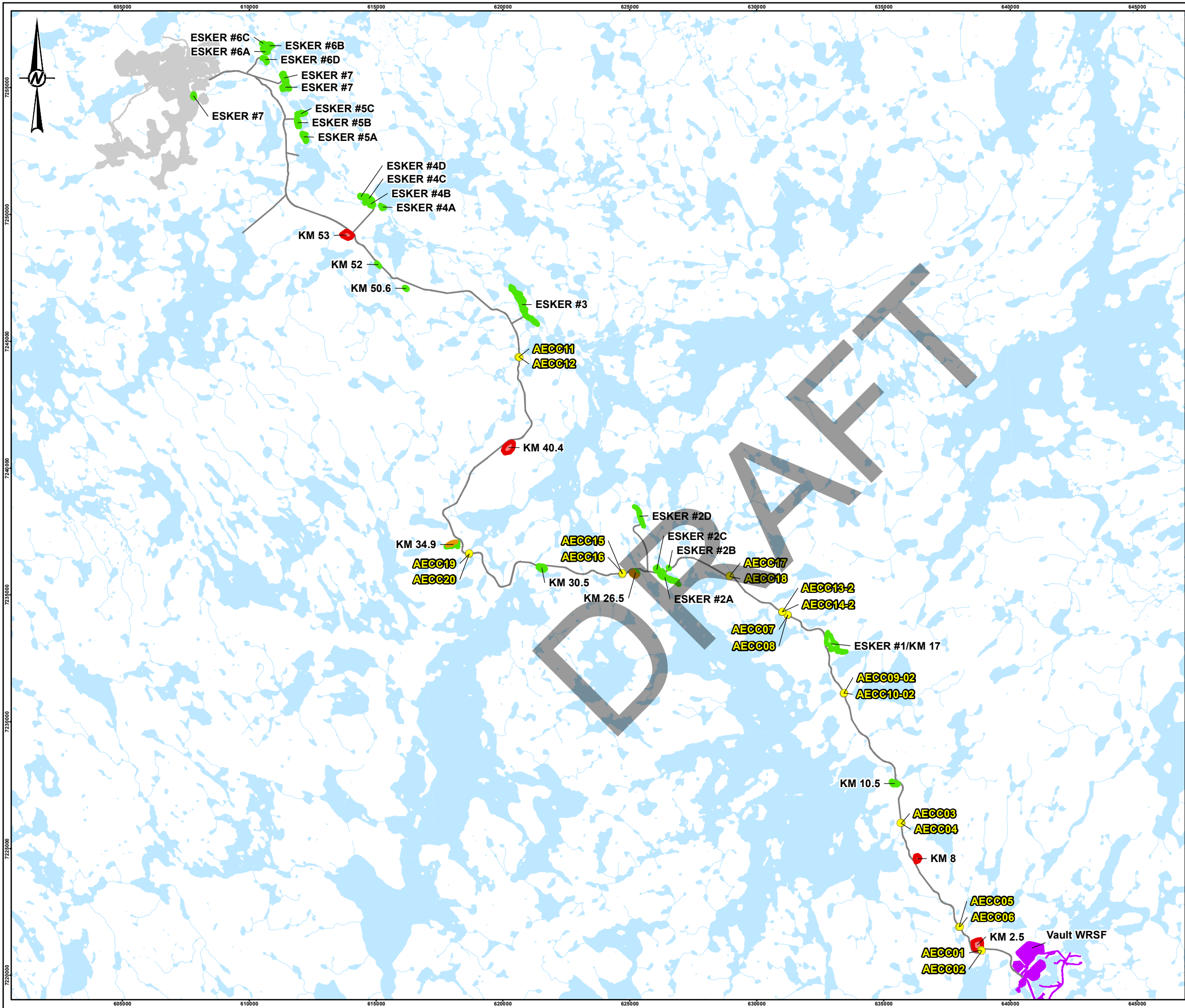
This camera setup allowed to observe caribou crossings and deflections to obtain preliminary observations and to inform future study design.

The majority of the remote camera pairs were placed between kilometer (KM) 116 (previously KM 2.5) and KM 159 (previously KM 46) along the Haul Road, with most placed between KM 116 and 142. These locations were selected based on a review of 2017 caribou collar data during the fall migration, as received from the Government of Nunavut (GN) under a data sharing agreement. The 2017 collar data indicated the majority of collared caribou crossed at locations between these two kilometer points, though this did not account for considerations of ground elevation and was based on a small number of collared caribou. The remote camera locations are summarized in Table 1, and shown in pairs in Figure 1.

Table 1: Remote Camera Locations - October 2018

Remote Camera Label	KM Location Reference	UTM Coordinates (WGS 1984)	
		Easting	Northing
AECC01	KM 116	638850.715	7221003.392
AECC02	KM 116	638870.129	7220970.823
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AECC10-02	KM 129	633448.363	7231130.857
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AECC12	KM 158.5	620655.409	7244367.662
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AECC14-2	KM 133.5	631019.539	7234340.085
AECC15	KM 141	624700.038	7235822.134
AECC16	KM 141	624708.686	7235854.52
AECC17	KM 136	628944.039	7235753.636
AECC18	KM 136	628925.231	7235728.712
AECC19	KM 148.5	618657.106	7236612.722
AECC20	KM 148.5	618662.597	7236639.041

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LEGEND

- CARIBOU CAMERA MONITORING LOCATION
- WHALE TAIL
 - ESKER/QUARRY (APPROVED)
 - ESKER/QUARRY (EXPANSION)
 - ESKER/QUARRY (NEW)
- INFRASTRUCTURE
- HAUL ROAD
- MEADOWBANK OPERATION AND INFRASTRUCTURE
- WATERCOURSE
- WATERBODY

0 3,000 6,000

1:150,000 METRES

REFERENCE(S)

- INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED, DRAWING AMQ 202504V5.DWG.
- WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA. DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT

AGNICO EAGLE

PROJECT

MEADOWBANK AND WHALE TAIL - TEMP

TITLE

CARIBOU CAMERA MONITORING LOCATIONS - 2018

PILOT PROGRAM

CONSULTANT	YYYY-MM-DD	2020-02-19
DESIGNED	CS	
PREPARED	CDB	
REVIEWED	CLT/CD	
APPROVED	CLT/CD	

GOLDER

PROJECT NO. 19124290 CONTROL 8000/8020 REV. 0 FIGURE 1

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As the 2018/2019 program was not designed to monitor caribou use relative to the physical parameters of the Haul Road, a revised protocol was implemented in November 2019 to allow for comparisons to determine if caribou crossing locations along the Haul Road are related to the physical parameters of the road. These changes align with Commitment No.13 from the Technical Meetings for the Whale Tail Expansion Project through the Nunavut Impact Review Board (NIRB).

The remote camera monitoring locations were revised for the 2019 program based on recent analyses completed for available caribou collar data sourced from the GN between 1998 and 2019 for the Lorillard herd, including a review of available literature and Meadowbank Mine monitoring data and Traditional Knowledge on caribou migration (Golder 2019b,c). Selected 2019 camera locations also considered the distribution of categories of road height. As reported, there is quantitative evidence (Boulanger et al. 2012, Golder 2016; Johnson et al. 2005; Plante et al. 2018) alongside Traditional Knowledge (Sadownik and Harries 1995; Jacobsen 2011) that caribou movements are relative to the presence of lakes, forage quality and topography, where movement rates are reduced in rugged terrain or where high quality habitat is encountered while large lakes are avoided. It is possible with further data collection and analysis that the locations for remote camera placing along the Haul Road may be further refined in future, should results indicate a higher frequency of crossing over a particular stretch of the road and/or avoidance of others, as recent results suggest and in consideration of any recommendations from Terrestrial Advisory Group members (Golder 2019c).

Prior to re-deployment in early November 2019, it was noted that four cameras were no longer available, and these will be replaced by new cameras in future by Agnico Eagle. Further details about the revised design of the 2019 camera monitoring program are provided in the Remote Camera Protocol (Golder 2019a).

3.2 Photograph Review, Analysis and Quality Assurance/Quality Control (QA/QC)

The Remote Camera Protocol (Golder 2019a) outlines the protocols and methods to operate the cameras and for review, analysis and QA/QC. A summary is presented here – these methods will be applied to photographs obtained from 2019 onwards.

- Data downloads from the remote cameras will be completed by Agnico Eagle technicians and saved on Agnico Eagle's computer systems and copies transferred to Golder every quarter of any given year for analysis as of 2020 (e.g., January, April, July, and October).
- Remote camera photographs have inherent limitations tied to the field of view of the camera as well as potentially recording the same individual(s) more than once. As such, the quantitative analyses will be restricted to motion-trigger photos to eliminate potential bias of recording the same individual(s), and additional photos will be considered for supplementary or qualitative information. All data will undergo a QA/QC process, whereby at least 15% of the photos from each camera will be reviewed to determine if species and number of individuals observed are identified correctly.
- Species detections are defined as the number of individual observations for a given species or group. A photo rate will be calculated for each species recorded and will be used as a metric for species relative abundance. A photo rate will be determined for each species photographed and will include vehicles. The photo rate is the number of detections of a given species divided by the camera station sampling effort in months.

- Statistical analyses will focus on investigating the interactions between caribou during spring and fall migrations and road elevation. Additional analyses looking at caribou behaviour and if caribou crossing is influenced by the number of vehicles using the road may also be completed.

3.3 Results

Photos were gathered as part of the pilot camera monitoring program on 22-30 October 2018 during fall migration. Few photos were collected, but those obtained demonstrated that the cameras can be used to monitor caribou use relative to the physical parameters of the Haul Road per Commitment No.13 from the Technical Meetings for the Whale Tail Expansion Project.

Analysis per the proposed methods outlined above could not be completed due to the small number of photographs collected in 2018. As such, a qualitative summary is provided here, based on general observations during fall migration and representative photos included in Table 2:

- Given enough time, caribou were observed crossing the Haul Road, including after the passing of vehicles
 - Crossing time delay can range from approximately five minutes or less, to more than an hour after vehicle passage. It is unclear at this time if crossing delays are due to vehicle passages or proximity of caribou to the Haul Road prior to crossing
 - Caribou have been observed to cross the road immediately after vehicle passage (Photograph 5 in Table 2 demonstrates one such observation)
 - Convoys seem to be effective. Caribou were recorded crossing after a convoy on October 22, 2018 as follows (Photographs 6 to 10 are included in Table 2):
 - Vehicle passes at 14:13 (last vehicle in convoy)
 - Caribou begin crossing at 14:38 (25 minute delay) and continue crossing until the next convoy
 - Vehicle passes at 15:56 (last vehicle in convoy)
 - Caribou continue to cross again at 17:33 (approximately 1.5h delay)
- No apparent deflections of caribou were noted based on remote camera photo captures
- Roadside slopes appear to not be a factor or limitation for caribou movement across the road
- Marker flags along the road (for road and vehicle safety) did not appear to deter caribou crossings, although most flags were frozen in their holding poles on the sides of the road (i.e., not moving or rattling)
- No wolves were observed on the road. One wolf was observed near the road at one location (following young caribou)

Results of the remote camera monitoring program will be reported as part of the TEMP Annual Report to the Nunavut Impact Review Board (NIRB), in compliance with Project Certificate No.008 Terms and Conditions and its respective amendments, for all future analyses. A larger dataset, as collected over time, will allow for more robust analyses and the identification of any trends related to caribou crossings.

Table 2: Migration Monitoring and Remote Camera Representative Photographs – Fall 2018 Pilot Program

	
<p>1. Caribou Tracks on Haul Road</p>	<p>2. Caribou Tracks on Haul Road – Caribou Group Approaching Haul Road (circled in red)</p>
	
<p>3. Caribou Group Crossing Haul Road</p>	<p>4. Caribou Group Approaching Haul Road (circled in red)</p>
	
<p>5. Caribou Crossing Haul Road Immediately After Vehicle Passing (top of vehicle can be seen in the background)</p>	



6. Remote Camera AECC01 – Vehicle Passing Along Haul Road (Oct.22, 2018 14:13)



7. Remote Camera AECC01 – Caribou Crossing Haul Road (Oct.22, 2018 14:38)



8. Remote Camera AECC01 – Caribou Crossing Haul Road (Oct.22, 2018 15:51)



9. Remote Camera AECC01 – Vehicle Passing Along Haul Road (Oct.22, 2018 15:56)



10. Remote Camera AECC01 – Caribou Crossing Haul Road (Oct.22, 2018 17:33)

4.0 CLOSURE

We trust the above meets your needs. Please contact the undersigned if any questions or concerns.

Carolina Leseigneur Torres, M.Sc.
Project Manager, ESIA Specialist & Biologist

Chris Shapka, B.Sc., P.Biol, P.Ag
Terrestrial Biologist

Corey De La Mare
Principal - Project Director, Senior Ecologist

CS/CLT/CD/jr

[https://golderassociates.sharepoint.com/sites/110051/project files/5 technical work/05_reporting_data_mgmt/remote camera monitoring plan-rprt/rev0/2019 rc summary/19124290-472-tm-mbk-wt_rc2019-rev0.docx](https://golderassociates.sharepoint.com/sites/110051/project%20files/5%20technical%20work/05_reporting_data_mgmt/remote%20camera%20monitoring%20plan-rprt/rev0/2019%20rc%20summary/19124290-472-tm-mbk-wt_rc2019-rev0.docx)

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APPENDIX K

2019 Hunter Harvest Calendar

Baker Lake Harvest Study

2019

[illegible]

Baker Lake Harvest Study

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, or the Community Liaison Coordinator, Karen Yip, at (819) 759-3555, ext. 4606913.



January | ๒๐๑๙

Baker Lake Harvest Study

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Baker Lake Harvest Study
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Baker Lake Harvest Study

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Baker Lake Harvest Study
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Baker Lake Harvest Study
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June | $\epsilon\sigma$ 2019

Baker Lake Harvest Study
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16						17						18						19						20						21						22											
Father's Day																														First Day of Summer National Aboriginal Day																	
23						24						25						26						27						28						29											
30																																															



July | $\lrcorner \subset \Delta$ 2019

Baker Lake Harvest Study
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Sunday ᑭᐱ ᑕᐃᑦ	Monday ᑭᐱ ᑕᐃᑦᑯᓂᓴᑲ	Tuesday ᑯᑲᑯᐊᑦᐱᑲ ᑯᑯᑦᑲ	Wednesday ᐱᑲᓚᐊᑕ	Thursday ᑯᑕᓚᑕ	Friday ᑕᑦᓚᑕ	Saturday ᑬᑲᐃᑯᑲᑲ
	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 	<div>June 2019<div>SMTWTFSS</div><div>123456789101112131415161718192021222324252627282930</div></div> <div>August 2019<div>SMTWTFSS</div><div>12345678910111213141516171819202122232425262728293031</div></div>		



Sleeping Fox

Dylan White

August | 2019

Baker Lake Harvest Study

Sunday ሐጸር	Monday ሐጸር-ፊት	Tuesday ኃይለማርያም	Wednesday አብነት	Thursday የእስክር	Friday የደንበር	Saturday የወንጀል
July 2019	September 2019			1	2	3
S M T W T F S	S M T W T F S					
1 2 3 4 5 6	1 2 3 4 5 6 7					
7 8 9 10 11 12 13	8 9 10 11 12 13 14					
14 15 16 17 18 19 20	15 16 17 18 19 20 21					
21 22 23 24 25 26 27	22 23 24 25 26 27 28					
28 29 30 31	29 30					
4	5 Civic Holiday	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 | ᑭᑎᐱᑎ 2019

Baker Lake Harvest Study
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Sunday ᑭᑎᐱᑎ	Monday ᑭᑎᐱᑎᑭᑎᐱᑎ	Tuesday ᑭᑎᐱᑎᑭᑎᐱᑎ ᑭᑎᐱᑎ	Wednesday ᑭᑎᐱᑎᑭᑎᐱᑎ	Thursday ᑭᑎᐱᑎ	Friday ᑭᑎᐱᑎ	Saturday ᑭᑎᐱᑎᑭᑎᐱᑎ																																																																																				
1	2 Labour Day	3	4	5	6	7																																																																																				
8 Grandparent's Day	9	10	11	12	13	14																																																																																				
15 Terry Fox Run	16	17	18	19	20	21																																																																																				
22	23 First Day of Autumn	24	25	26	27	28																																																																																				
29	30	<div><div>August 2019</div><table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr><tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr></table></div> <div><div>October 2019</div><table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr><tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td></tr></table></div>					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	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		
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Drying Fish

Martin Gebauer

October | 2019

Baker Lake Harvest Study
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Sunday ᑭᐱ ᑕᐃᑦ	Monday ᑭᐱ ᑕᐃᑕᑦᔨᓂᑭᖅᑲ	Tuesday ᑭᖅᔨᑦᐃᖅᐱᖅᑲ ᑦᔨᑦᑕᑦᖅᑲ	Wednesday ᐱᖅᓴᓴᖅᐃᑕ	Thursday ᑦᑕᓴᑕ	Friday ᑕᑕᓴᑕ	Saturday ᑭᖅᑲᐃᑭᖅᐱᖅᑲ
September 2019	November 2019	1	2	3	4	5
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15 16 17 18 19 20 21	10 11 12 13 14 15 16					
22 23 24 25 26 27 28	17 18 19 20 21 22 23					
29 30	24 25 26 27 28 29 30					
6	7	8	9	10	11	12
13	14	15	16	17	18	19
	Thanksgiving Day					
20	21	22	23	24	25	26
27	28	29	30	31		
				Halloween		



November | ๑๕/๑๑ 2019

Baker Lake Harvest Study

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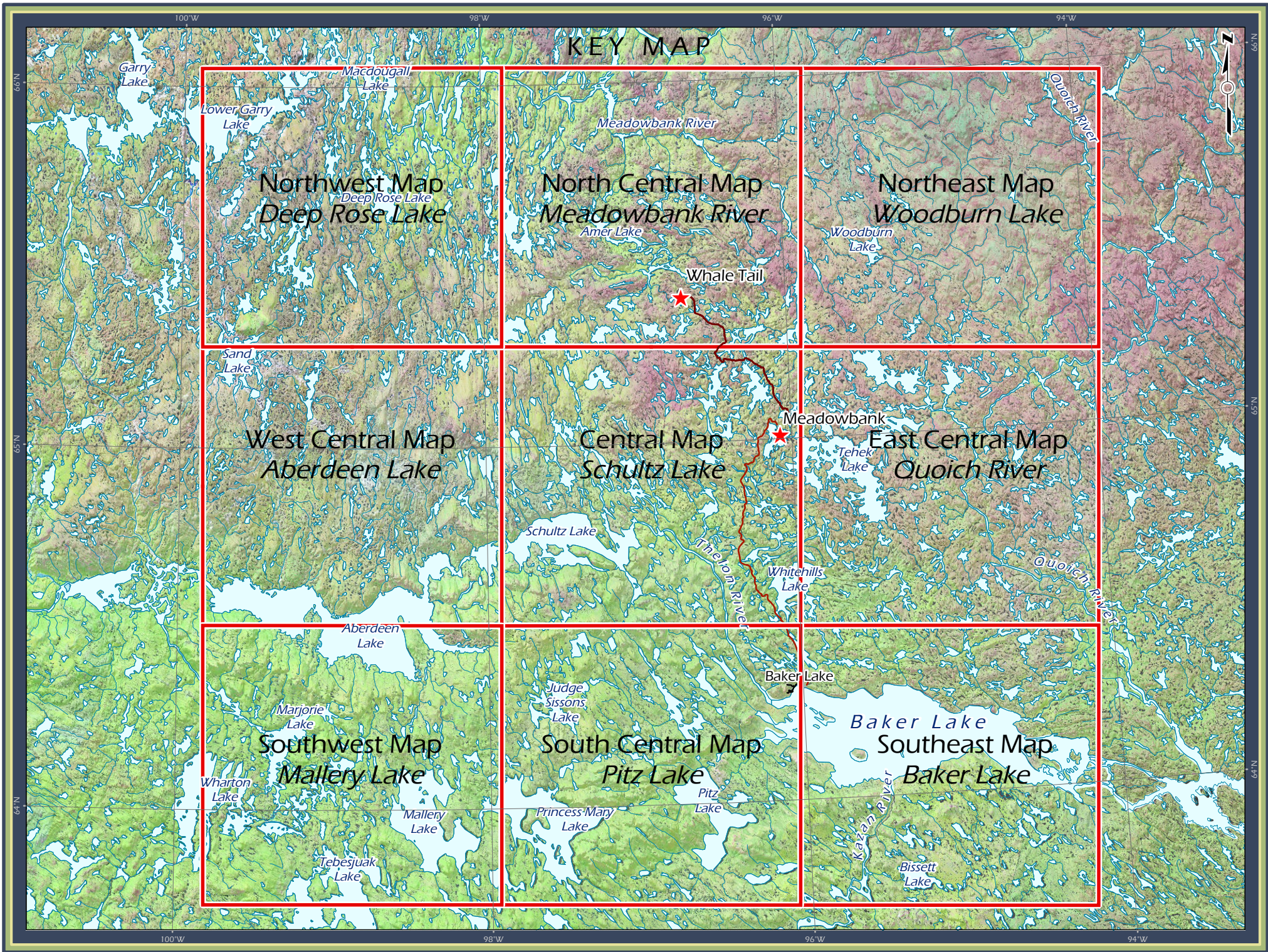
Large Caribou Herd

Paul Kabloona

December | ൨൦19

Baker Lake Harvest Study
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Sunday ᑭᓐᑕᐃᑦ	Monday ᑭᓐᑕᐃᑦᐅᓂᑦᑭᑲ	Tuesday ᐅᑲᑭᐃᑦᓐᑭᑲ ᑭᑦᑕᑦᓐᑭᑲ	Wednesday ᐱᑦᓴᓴᐃᑦᐃᑦ	Thursday ᑭᑦᑕᓴᑦ	Friday ᑕᑦᑕᓴᑦ	Saturday ᓂᑦᑲᐃᐅᑦᓐᑭᑲ
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
First Day of Winter			Christmas Day	Boxing Day		
29	30	31	November 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		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	
Please return the calendar to the Agnico-Eagle office for entry into the participant draw.						



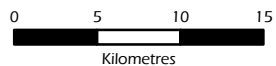
Baker Lake Harvest Study

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

Area of Detail



Projection: UTM Zone 14 NAD83

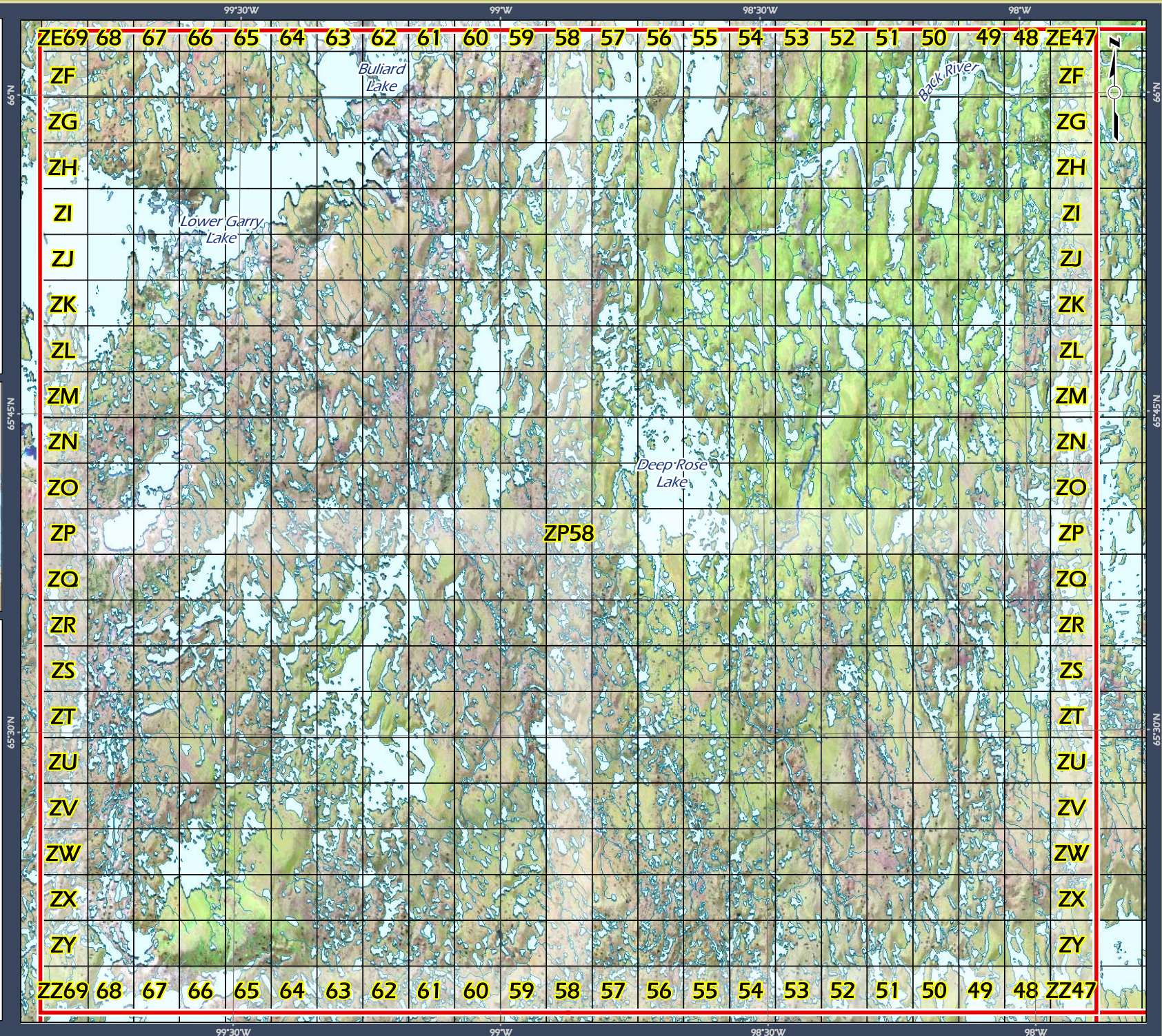
Data Sources:

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

Prepared for:



By:



Baker Lake Harvest Study

West Central Map Aberdeen Lake

Key Map

Deep Rose Meadowbank Lake	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

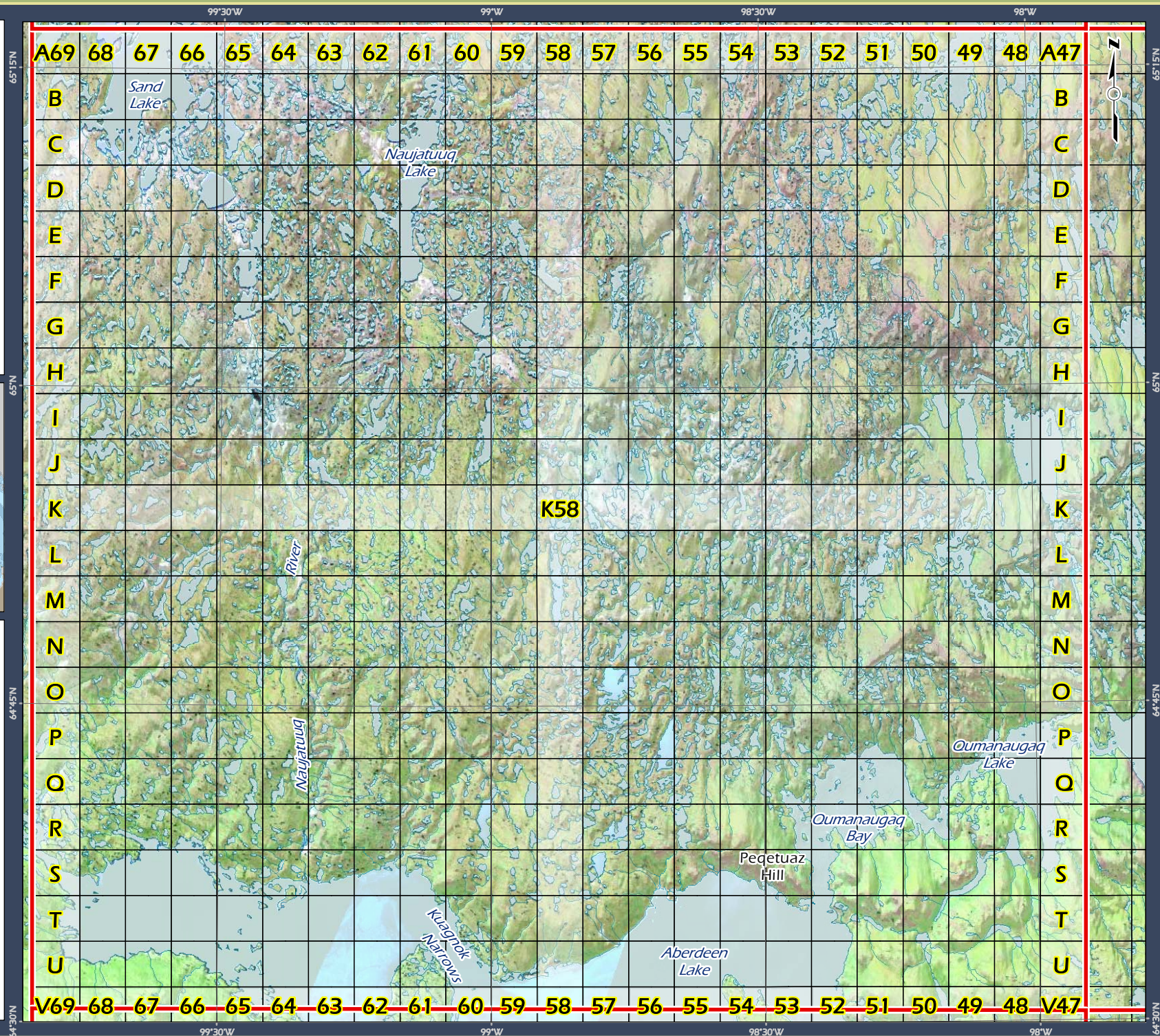
Data Sources:

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

Prepared for:



By:



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

Area of Detail



0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

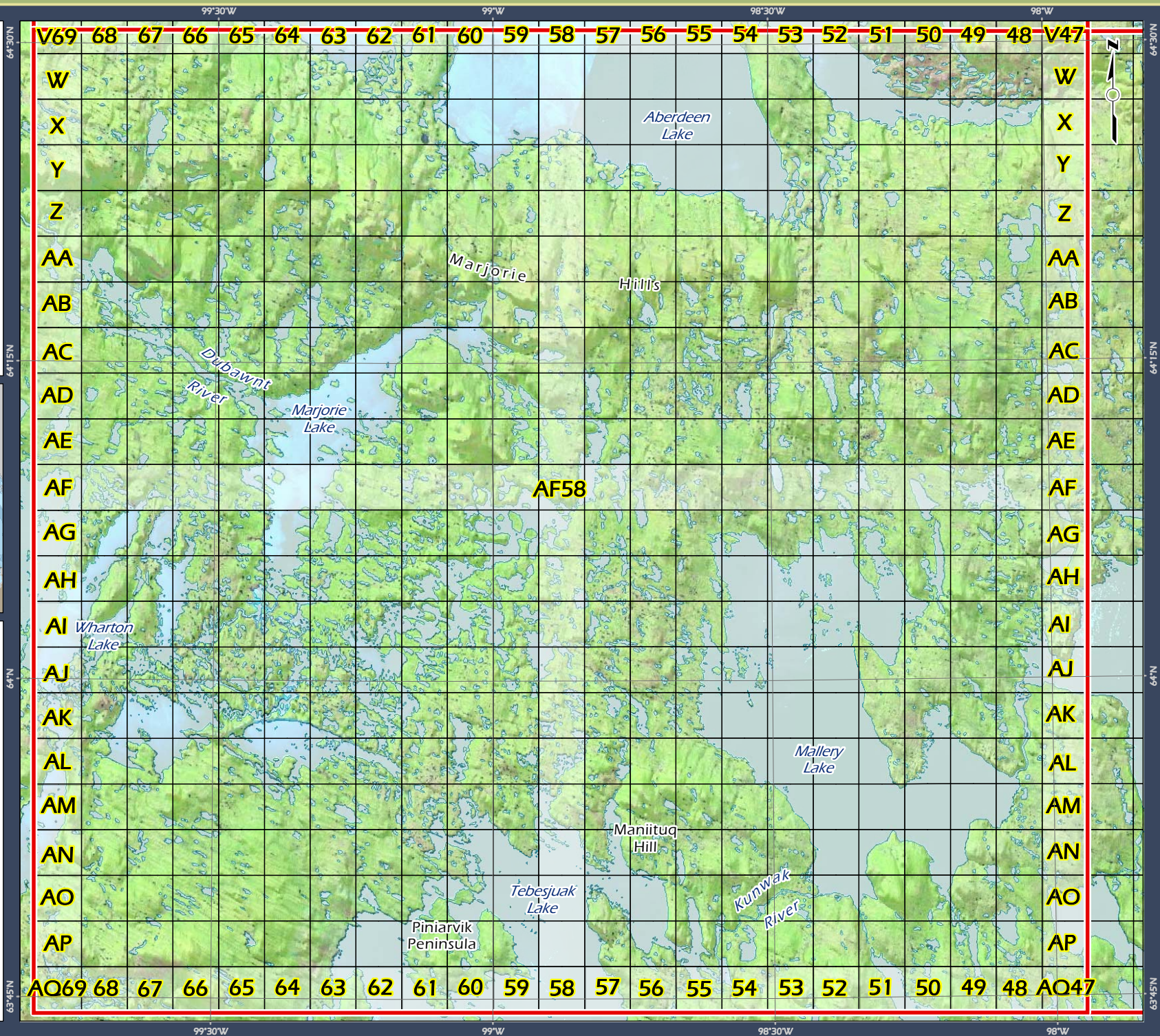
Data Sources:

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Baker Lake Harvest Study

North Central Map Meadowbank River

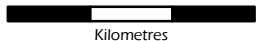
Key Map

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

Area of Detail



0 5 10 15



Kilometres

Projection: UTM Zone 14 NAD83

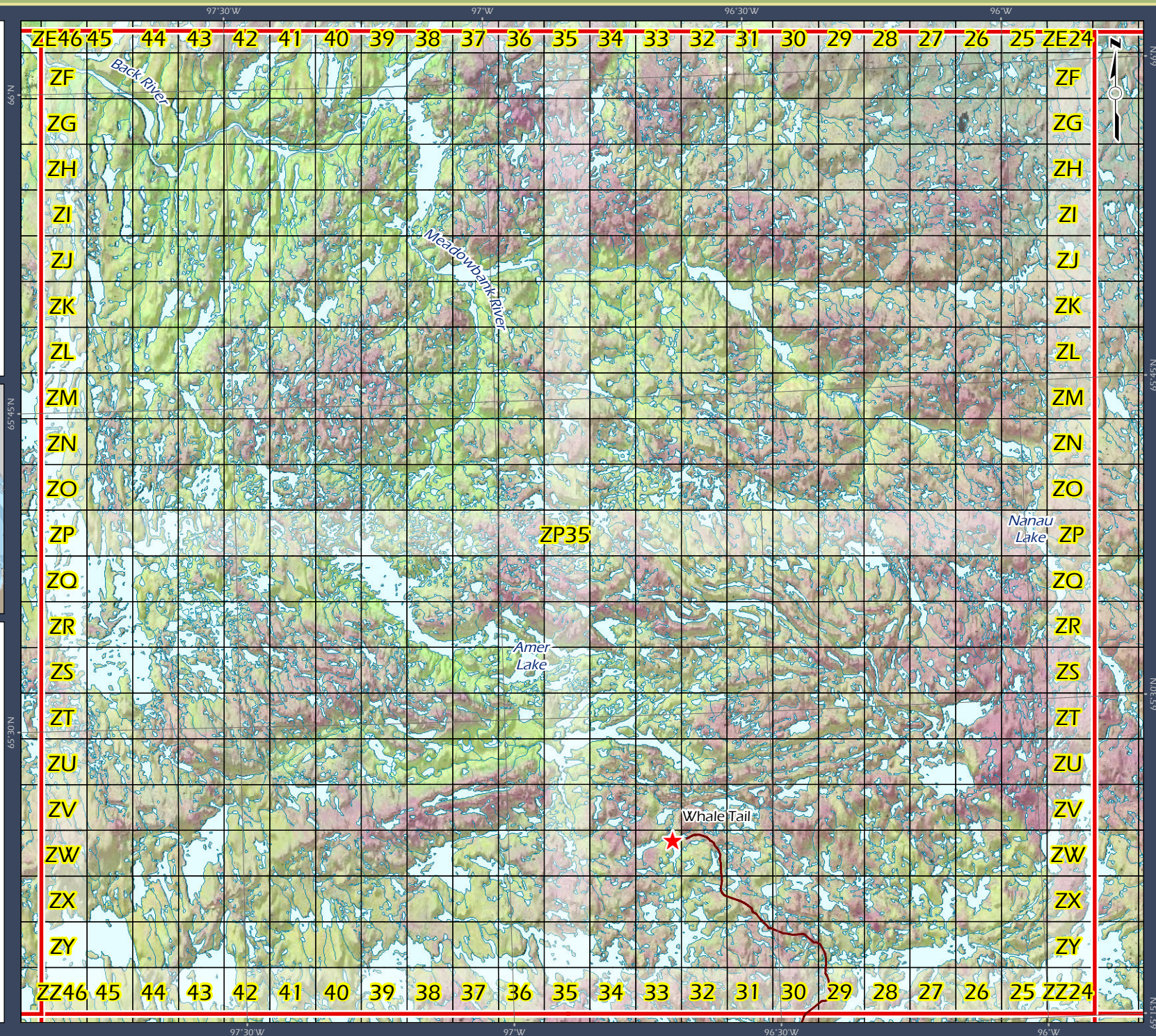
Data Sources:

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GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:



By:



Baker Lake Harvest Study

Central Map Schultz Lake

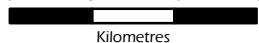
Key Map

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

Area of Detail



0 5 10 15



Projection: UTM Zone 14 NAD83

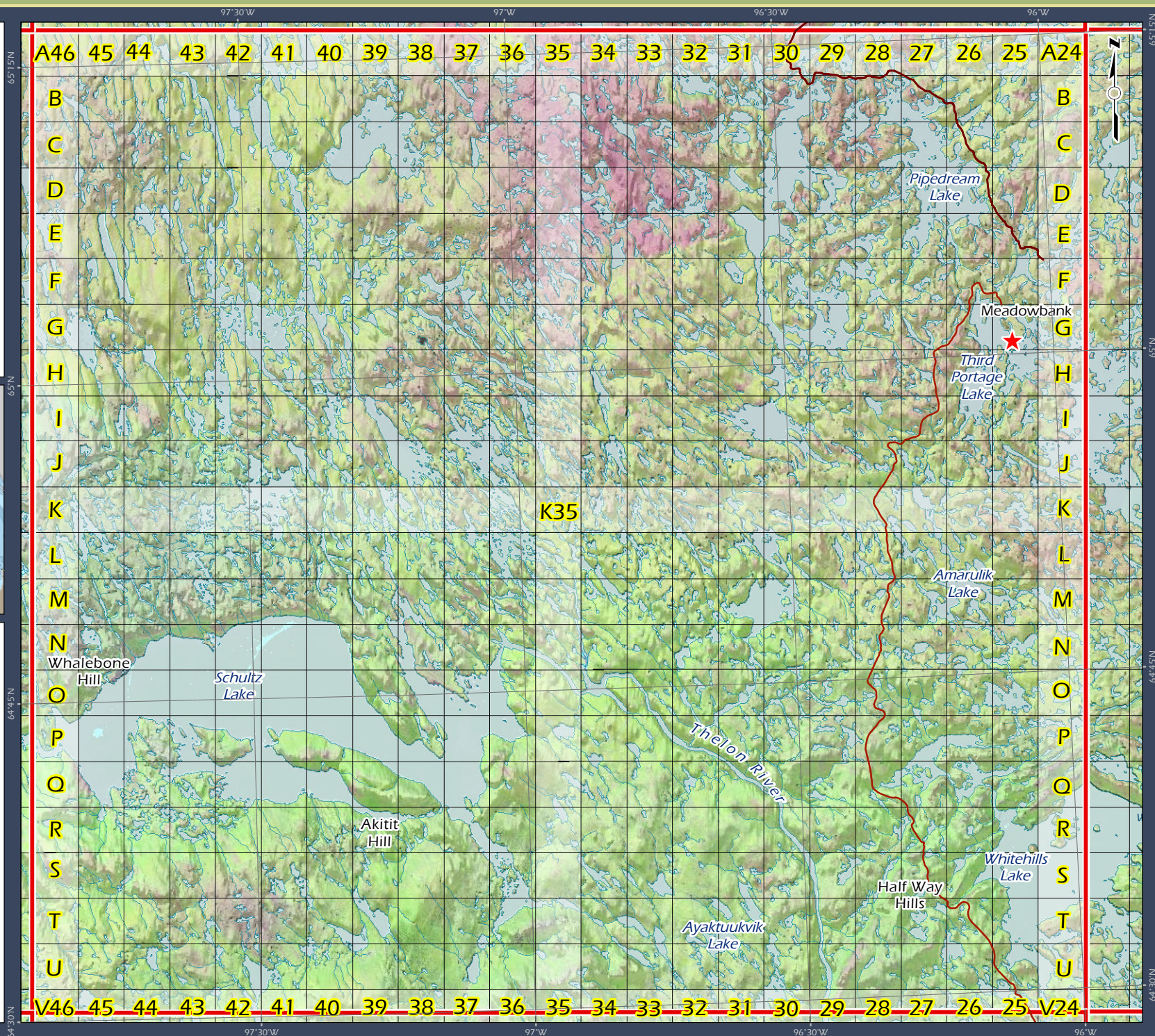
Data Sources:
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GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:



By:

Nunavut ENVIRONMENTAL
CONSULTING LTD

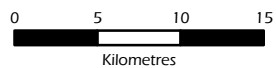


Baker Lake Harvest Study

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



Projection: UTM Zone 14 NAD83

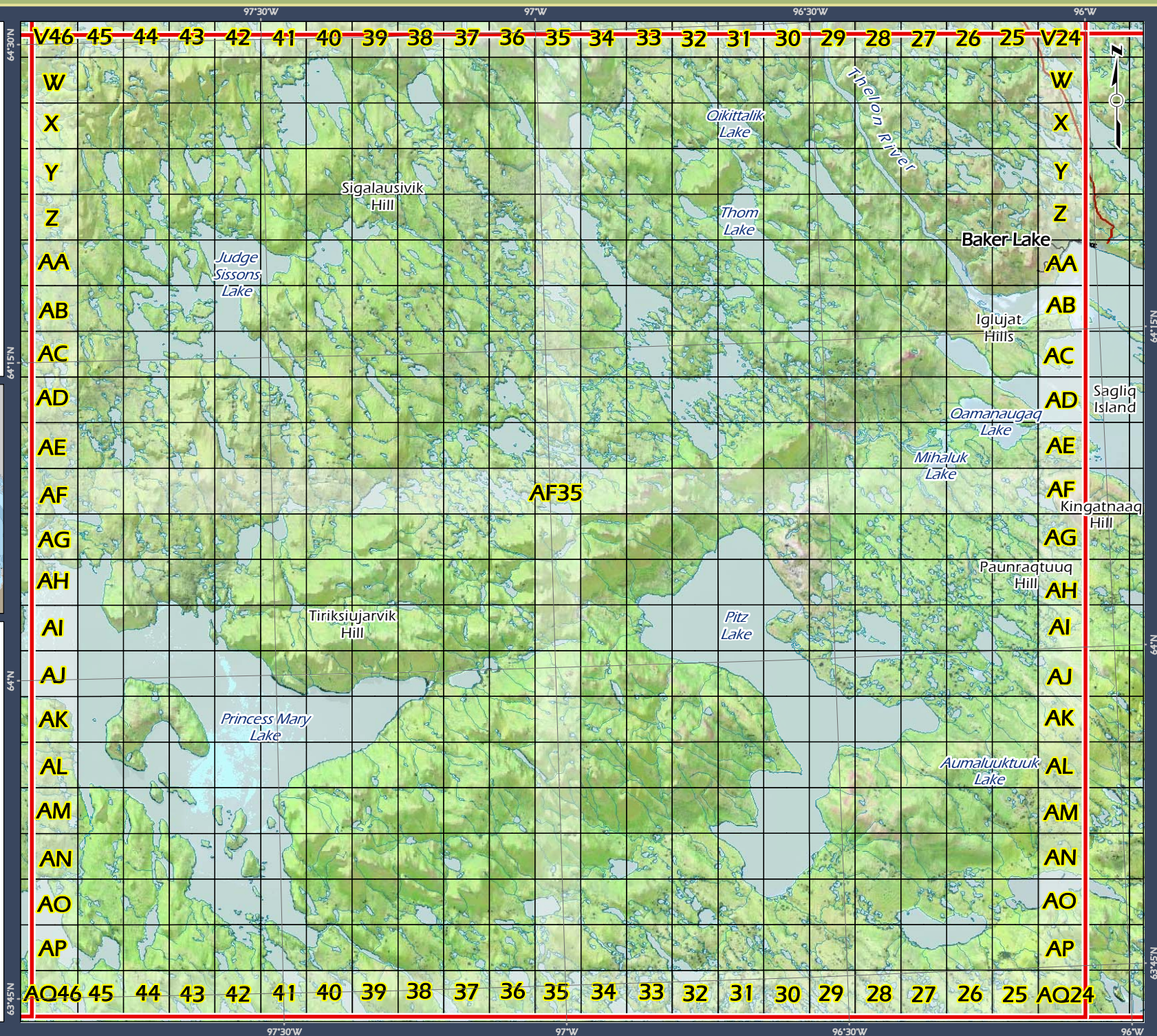
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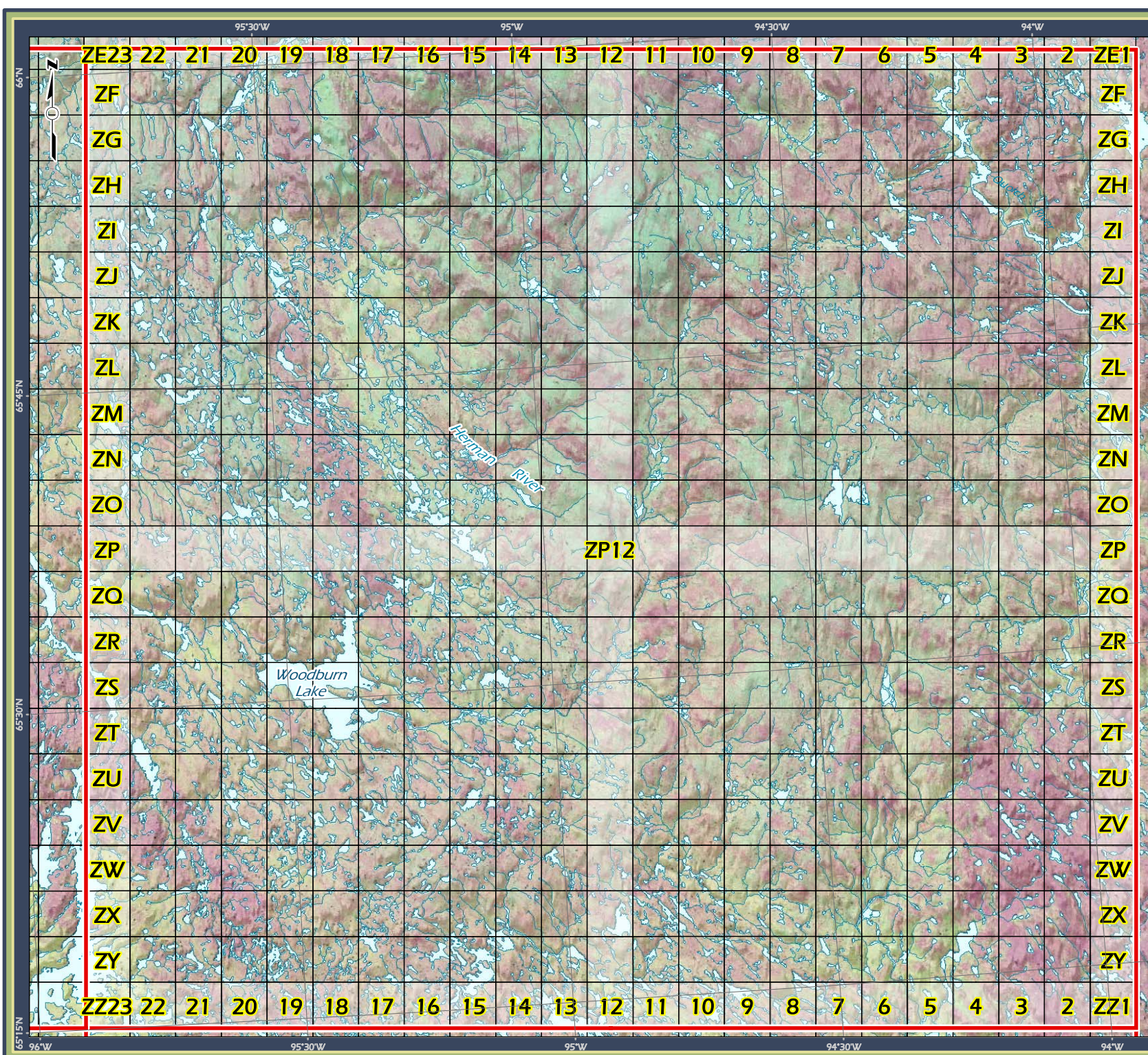
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GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:



By:





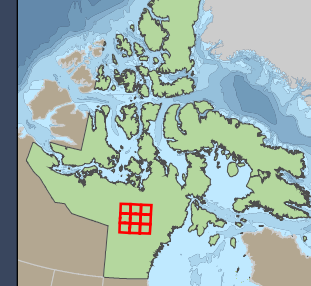
Baker Lake Harvest Study

Northeast Map Woodburn Lake

Key Map

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

Area of Detail



Projection: UTM Zone 14 NAD83

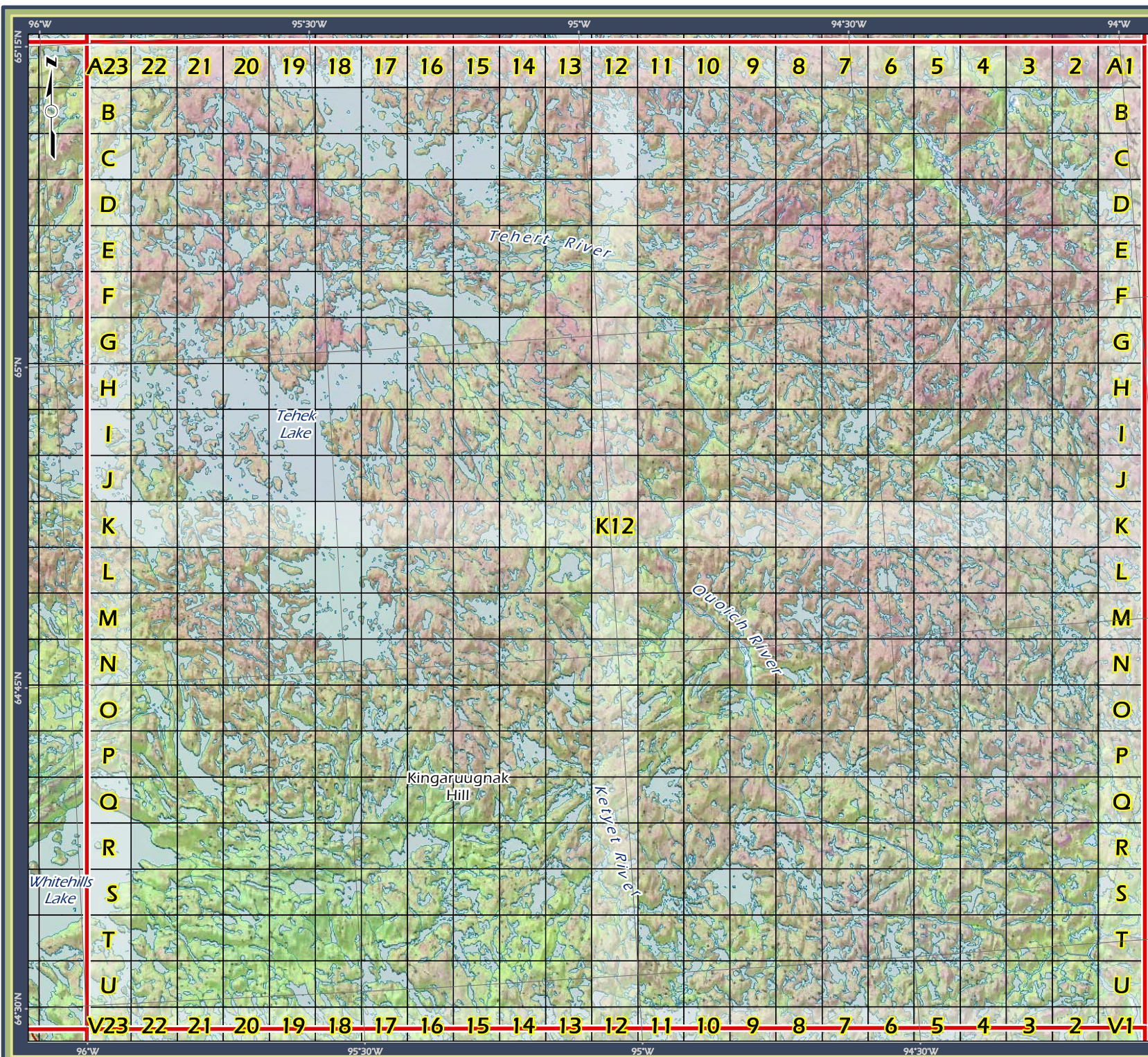
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared
for:



By:





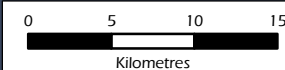
Baker Lake Harvest Study

East Center Map Quioich River

Key Map

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

Area of Detail



Projection: UTM Zone 14 NAD83

Data Sources:

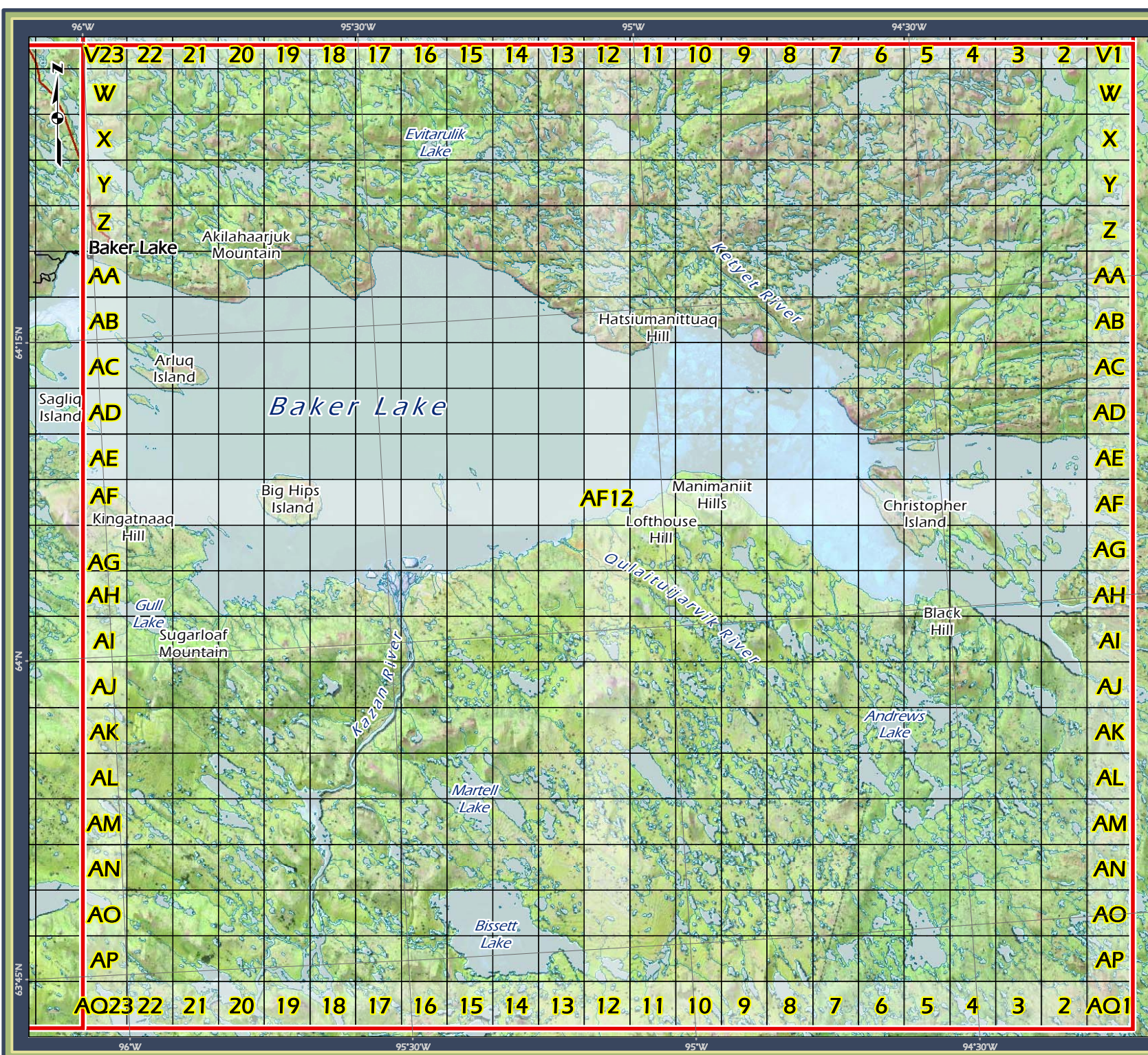
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:



By:





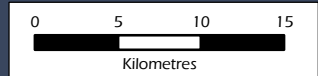
Baker Lake Harvest Study

Southeast Map Baker Lake

Key Map

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

Area of Detail



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:



By:





Caribou Herd

Paul Kabloona



Nesting Redpoll

Martin Gebauer

Produced By:



and

