



MEADOWBANK MINE

2019 WILDLIFE MONITORING SUMMARY REPORT

FINAL

APPENDIX A

2019 Road Survey Forms – Meadowbank AWAR and Vault Haul Road

Whale Tail Haul Road

Page 1 of 1

Precipitation: AK

[illegible]

¹ Sex = M (Male) or F (Female), Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

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[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avers), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Feeding), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

4342

Time E

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Wind Speed (

Number

Sex and

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e): Age = C (Call

Sedge), BR (Bird)

g). DB (Dive-B)

th), NE (Northeast

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank AWAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 2019/08/09

Time Started 12:00

Time Ended 19:00

Page 1 of 1

Start Location (UTM) Gate at MBK

End Location (UTM) MBK's gate Observer Names: YU / ET

Temperature: 13.3 Wind Speed (km/hr): 22 Wind Direction: NE Visibility (circle): 100m 500m 1km (<1km) Precipitation: Light rain

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)			Comments
									KM	Zone	Easting	
12:42	PeFa	1		AwAr	FLY	Variable	150	E	31.46	130919	7211612	
14:14	LeLo	15		AwAr	FLY	"	AwAr	W-E	27.11	631185	7159276	
14:35	NOri	10		AwAr	Swim	-	250	W	27.11	644261	7140811	
14:38	Le-ven	1		AwAr	FLY	W-E	150	W-E	27.11	"	"	
16:45	Seagull	1	A	AwAr	FLY	S	Over the road	W	13			
18:30	Sikrik	1		AwAr	RU	S	On it	W	48			
18:30	Goose	11	A	AwAr	WS	E	Next to it	E	90			
19:10	Sandhill Crane	2	A		WS/WQ	S-W	100m	E	31			

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Boat

100

Observer Name: W. J. A. C.

Proinflammatory

[illegible]

Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest).

Circle the Relevant Segment:

Whale Tail Haul Road

Page 1 of 1

Observer Names:

Temperature: 15° Wind Speed (km/hr): 23 Wind Direction: N Visibility (circle): 100m 500m 1km >1km Precipitation: ---

[illegible]

Sex = M (Male) or F (Female); **Age** = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

²Habitat = WA (Water), SE (Seedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (lichen), LR (lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed).
³Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courtship), FL

(Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest).

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank AWAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19/09/06

Time Started 08:00

Time Ended 15:45

Page 1 of 2

Start Location (UTM) km 1

End Location km 1

Observer Names: V. U. E. T.

Temperature: 3

Wind Speed (km/hr): 16

Wind Direction: NW Visibility (circle): 100m 500m 1km

Precipitation: 1km

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
12:45	ARFo	1		ARF	WALK	E-W	AWAR	—	104	NW	636142	7216042	
12:47-50	WGL	14		ARF	WALK	—	50	E	104	NW	636442	7216090	
12:51	W	40		W	WALK	—	100	E	101		634452	7217261	
13:00	W	275		W	WALK	NE	100	E	93		630885	7211788	
13:07	W	175		W	WALK	—	250	W	84		630684	7206371	
13:12	ARFo	2		ARF	WALK	—	41	W	84		629676	7204219	
13:16	WGL	60		ARF	WALK	—	200	E	83		627110	7203849	
13:19	W	125		W	WALK	—	250	E	79		622316	7201519	
13:19	W	200		W	WALK	—	400	W	78		622316	7201515	
13:33		275		W	WALK	—	300	W	71		627223	7193426	
13:38	WGL	6		W	WALK	—	150	W	70		626975	7190666	
13:41	WGL	200		W	WALK	—	W	W	65		W	W	
13:47	W	180		W	WALK	W	250	E/W	63		622278	7185438	
13:52	W	12		W	WALK	—	150	W	54		625892	7179119	
14:16	W	250		W	WALK	—	300	E	44		629090	7170683	

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

² Habitat = W/A (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Circle the Relevant Segment:

Meadowbank AWMAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19/05/26

Time Started 8:59

Time Ended 15:45

Page 2 of 2

Start Location (UTM) 16m

End Location K-

Observer Names: V.V.T.T.

Temperature: 2 Wind Speed (km/hr): 16 Wind Direction: NW Visibility (circle): 100m 500m 1km 5 km Precipitation: _____

[illegible]

Sex = M (Male) or F (Female); **Age** = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

2 Habitat = WA (Water), SE (Sege), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Eske/Avens), RO (Rock & Boulder), and DI (Disturbed)

3 Behaviour = RE (Resting), SI (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courtting), FL

(Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank AWA

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 13/09/03

Time Started 07:00

Time Ended 14:00

Page 1 of 1

Start Location (UTM) Km 1

End Location Km 1

Observer Names: V.V. I. Couture

Temperature: _____

Wind Speed (km/hr): _____

Wind Direction: _____

Visibility (circle): 100m 500m 1km >1km

Precipitation: _____

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
13:20	SnGo	40		DE	rest	—	1250	S	101	144	634906	721758	—
13:33	SnGo	300		N	"	—	200	W	94	144	631402	7212219	—
13:40	SnGo	100		"	"	—	250	W	84	144	631202	7207597	—
13:52	SnGo	150		N	"	—	500	W	83		626904	7203556	—
13:53	SnGo	1		N	stand	—	20	E	80		"	"	—
13:54	SnGo	225		N	rest	←	250	E	78		626591	7206840	—
14:01	SnGo	50		N	"	—	150	W	74		626588	7196500	—
14:21	SnGo	50		N	"	—	100	W	68		626222	7187125	—
14:42	SnGo	250		N	cast	—	100	E	43		629114	7176517	—
14:58	SnGo	200		N	rest	—	150	W	35		631597	7164083	—
15:02	SnGo	300		N	rest	—	300	E	32		633634	7163065	—

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = VWA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courtship), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank-AWAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19/08/10

Time Started 09:00

Time Ended 15:00

Page 1 of 1

Start Location (UTM) 2521

End Location 1521

Observer Names: V.H. P. Williams

Temperature: 8°C

Wind Speed (km/hr): 30

Wind Direction: 254

Visibility (circle): 100m 500m 1km

Precipitation: —

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)			Comments
									KM	Zone	Easting	Northing
12:45	Sm Gb	16		45	rest	—	100	E-W	98	16		
12:47	"	50		"	"	—	200	W	99		630951	721456
12:52	"	35		"	"	—	"	"	86		629674	7204215
13:04	"	150		"	"	—	250	E-W	76		625433	7197805
13:14	"	200		"	"	—	150	W	73		622468	7196420
13:26	"	150		"	"	—	150	W	72		622452	7194909
13:27	"	40		"	"	—	200	W	62		626402	7187322
13:44	"	250		"	"	—	100	E-W	44		626464	7173675
13:59	"	65		"	"	—	100	E-W	45		629047	7170642
14:02	"	328		"	"	—	150	E-W	32		629485	7164176
14:35	"	250		"	"	—	200	W	15		641990	7149129
14:40	"	35		"	"	—	100	W	10		647603	7135048
14:46	"	124		"	"	—	150	W	6		647644	7141730
14:52	"	60		"	"	—	"	W	4		648152	7139295
14:54	"	156		"	"	—	250	E-W	2		652372	7136532

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

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⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank A/MAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19/06/13

Time Started 09:00

Time Ended 15:45

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Start Location (UTM) 1601

End Location 1601

Observer Names: V.W., I.C.

Temperature: 16.1

Wind Speed (km/hr): 16.1

Wind Direction: 16.1

Visibility (circle): 100m 500m 1km >1km

Precipitation: 0

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
13:18	Swallow	4/0		45	Rest	—	75	W	86	1414	629847	7205701	
13:40	Swallow	60		"	"	—	150	E	84	"	628743	7204222	
13:49	"	422		"	"	S	350	E	81		627507	7202941	
13:57	"	35		"	"	—	200	W	76		625662	7198865	
14:11	"	20		"	"	—	"	E	67		626803	7190079	
14:13	"	125		"	"	—	150	E	65		626362	7188855	
14:14	"	20		"	"	—	300	E	64		"	"	
14:34		25		"	"	—	250	E/W	48		625562	7173770	
14:44	"	48		"	"	—	100	W	45		624927	7171180	
14:42	R. O. L. H. L.	72		"	"	—	50	E-W	43		625613	7169252	
14:42	Swallow	50		"	"	—	150	E	43		"	"	
14:54	"	30		"	"	—	100	E	37		630651	7165032	
14:59	"	70		"	"	—	"	W	33		633082	7163393	
15:04	"	60		"	"	—	250	E	20		638874	7154862	
15:34	"	1/0		"	"	—	"	E/W	12		642886	7147031	

¹ Sex = M (Male) or F (Female); Age = C (Chick), Y (Yearling), and A (Adult)

² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Thundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Escher/Avens), RO (Rock & Boulder), and DI (Disturbed)

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courtship), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

15:31 5-60 25 100 300 4 355425 7134336

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank A/VAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19/09/17

Time Started 07:00

Time Ended 15:30

Page 1 of 1

Start Location (UTM) 621

End Location 621

Observer Names: V.V. N.

Temperature: 6° Wind Speed (km/hr): 25 Wind Direction: E Visibility (circle): 100m 500m 1km <1km Precipitation: Drizzle

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)			Comments	
									KM	Zone	Easting		Northing
13:06	Snags	50		LF	rest	—	150	W	104	W	634747	7217909	
13:14	Snags	35		LF	rest	—	"	E	90	N	632216	7212556	
13:26	"	30		"	"	—	"	W	90	N	631091	7208599	
13:24	"	75		"	"	—	250	E/W	86	S	630842	7205593	
13:37	"	15		"	"	—	"	E/W	80	N	627564	7202792	
13:52	"	65		"	"	—	200	E/W	66	N	626728	7189723	
13:54	"	45		"	"	—	"	E/W	62	N	626284	7180271	
14:10	"	50		"	"	—	400	W	52	N	624988	7177530	
14:22	"	125		"	"	—	300	E/W	42	N	629418	7169544	
14:32	"	75		"	"	—	200	W	30	N	634472	7161696	
14:40	"	250		"	"	—	"	W	28	N	63165	7159282	
14:41	"	25		"	"	—	150	E/W	27	N	"	"	
15:04	"	108		"	"	—	100	E/W	11	N			
15:14	"	12		"	"	—	"	E	3	N			

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

¹ Sex = M (Male) or F (Female), Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avers), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

(Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
 *Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1

Observer Names: V. A. I. C.

Precipitation: 102

[illegible]

¹ Sex = M (Male) or F (Female), Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Circle the Relevant Segment:

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19/10/11

Time Started 09:56

Time Ended 7:51

Page 1 of 1

Start Location (UTM)

End Location

Observer Names: V.V. A.5.

Temperature: 0 Wind Speed (km/hr): 27 Wind Direction: ✓ Visibility (circle): 100m 500m 1km

Precipitation:

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult).

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), H (Impeind), CO (Courtin), EI (Evoind), DB (Dive-Bombin), SM (Swimmin), NF (Nest-Fixin), V (Vocalizin), SC (Seege), BK (Bitch & Riparian Shind), H (Heah Tundra), U (Uchen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed).

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast)

(N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest))

Whale Tail Haul Road

Page 1 of 1

Observer Names: VJA, H, S

Temperature: 29 Wind Speed (km/hr): 16 Wind Direction: NN Visibility (circle): 100m 500m <1km >1km Precipitation: 0.0

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

¹Flynn, DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Diocinct)
²Barnard, DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Diocinct)
³Bayliss, RE (REtreat), ST (Stranding), AL (Alert), FO (Foraging), WS (Walking Slowly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL
⁴Hanstra = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Grass/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Circle the Relevant Segment:

Meadowbank AWAAR

Vault Hau! Road

Whale Tail Haul Road

Date (year/month/day) 2019-16-19

Time Started 12:45

Time Ended 15:15

Page 1 of 1

Start Location (UTM) MBK

End Location

Observer Names:

25

Temperature: 2

Wind Speed

Wind Direction

Visibility (circle): 100m

500m

1km
v

Precipitation:

[illegible]¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Diving)

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest).

Whale Tail Haul Road

Page ____ of ____

Letter

Temperature: _____ Wind Speed (km/hr): _____ Wind Direction: _____ Visibility (circle): 100m 500m 1km >1km Precipitation: _____

Sex = M (Male) or F (Female), **Age** = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² **Habitat** = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ **Behaviour** = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ **Direction of travel** = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1

Defekt 2

Temperature: -5 Wind Speed (km/hr): 3 Wind Direction: W Visibility (circle): 100m 500m 1km >1km Precipitation: light snow

[illegible]

¹ **Sex** = M (Male) or F (Female); **Age** = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

³ **Habitat** = WA (Water), SE (Seedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avers), RO (Rock & Boulder), and DI (Disturbed).
⁴ **Behaviour** = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL (Flying).
⁵ **DB** (Dive Bombard), **SW** (Swimming), **MT** (Motion), **PL** (Pluck).

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast)

* Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Circle the Relevant Segment:

Meadowbank AWAAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19/15/22

Time Started 69:25

Time Ended 15:30

Page 1 of 1

Start Location (UTM)

End Location



Observer Names: V.A. EN, J.P.

Temperature: 26 Wind Speed (km/hr): 14 Wind Direction: NSEW Visibility (circle): 100m 500m 1km

>1km Precipitation:

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

² **Habitat** = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Thundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed).
³ **Behaviour** = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast)

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Circle the Relevant Segment: Meadowbank AWR Vault Haul Road Whale Tail Haul Road

Date (year/month/day) 2019-10-23 Page of
 Start Location (UTM) 14N 637958 End Location 7214241 Observer Names: Time K
 Temperature: Wind Speed (km/hr): Wind Direction: Visibility (circle): 100m 500m 1km ☒ 1km Precipitation: none

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

¹sex = M (male) or F (female), Age = C (Calf, Cuckoo, Cuckoo or Pup), L (yearling), and A (adult),
²Behaviour = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³Habitat = RE (Resilient), SI (Stagnant), AI (Alert), EO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Fleeing), and ST (Staying).

(Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest).

² Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
³ Habitat = WA (Water), SE (Seede), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
⁴ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁵ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 7 of 7

Observer Names: V. V. D. V.

Temperature: 27 Wind Speed (km/hr): 13 Wind Direction: SE Visibility (circle): 100m 500m 1km >1km Precipitation: hail

[illegible]

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1Observer Names: V.V., D.N.

Temperature: 27 Wind Speed (km/hr): 13 Wind Direction: SS Visibility (circle): 100m 500m 1km >1km >1km Precipitation: -

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

²Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1

Observer Names: Derek H

Temperature: -8°C Wind Speed (km/hr): 24 km/h Wind Direction: N Visibility (circle): 100m 500m 1km >1km Precipitation: Good No Precipitation

[illegible]

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment:

Meadowbank AWA/R

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 2019-10-29

Time Started 08:00 Am

Time Ended 17:30

Page 1 of 1

Start Location (UTM) MBK

End Location

Observer Names: Devel Waters

Temperature: _____

Wind Speed (km/hr): _____

Wind Direction: _____

Visibility (circle): 100m 500m 1km >1km Precipitation: blowing snow

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
08:28	muskr-ox	1	m	HT	Relus	N	100m	W	93	14	0632003	7212445	
09:47	caribou	3	m/f	HT	Re/WS	NW	100m	W	38	14	0632003	7212445	
09:53	caribou	2006+	m/f	HT	Re/WS	N	100m	W	35	14	0632003	7212445	
11:15	caribou	17	m/f	HT	WS/W2	N	200m	W	32	14	0633240	7163653	
11:20	caribou	250	m/f	HT	WS/RE	N	200m	W	30	14	0634014	7163310	
11:25	caribou	500	m/f	HT	RE	N	300m	W	29	14	0634232	7164928	
11:30	caribou	10	m/f	HT	RE	S	200m	W	94	14	0637461	7156723	
11:40	caribou	500+	m/f	HT	Re/WS	S	200m	W	17	14	0640608	7167628	
11:48	caribou	1000	m/f	HT	WS/RE	S	400m	W	14	14	0642097	7148948	
01:07	caribou	650+	m/f	HT	WS/RE	S	100m	E	7	14	0644785	7140450	
01:52	caribou	1	m/f	RO	L1	E	50m	E	23	14	0638005	7156215	
02:30	caribou	30	m/f	HT	WS	E	20m	E	28	14	0634026	7163191	
03:30	caribou	80	m/f	HT	WS/RE	E	200m	E	33	14	0625020	7177694	
04:00	caribou	20	m/f	HT	RE/WS	E	150m	E	24	14	0626606	7197027	
04:20	muskr-ox	1	m	HT	RE	W	50m	W	92	14	0631066	7210885	

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Escher/avens), RO (Rock & Boulder), and DI (Disturbed)

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WA (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Lumping), CO (Courting), FL (Flying), DB (Dive-Bombing), SV (Swimming), NE (Nesting), DI (Digging)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1

Observer Names: Derek N

Visibility (circle): 100m 500m 1km >1km Precipitation: None

¹ Sex = M (Male) or F (Female), Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank AWAAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) Oct 31 2019

Time Started 9:30

Time Ended 6:30

Page 1 of 2

Start Location (UTM) Baker Lake

End Location Meadowbank

Observer Names: J.P.

Temperature: -7 Wind Speed (km/hr): Wind Direction: Visibility (circle): 100m 500m 1km >1km Precipitation: Snowing

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
1:23	Callion	45							79				
1:30	-	13		HT	WS	S	250	E	69		0627512	7192113	
1:40	-	23		HT/ice	WS/fo	S	300	E	60		0625634	7182403	
1:45	-	17		HT	WS	S	500	E	57		0625714	7181157	
1:52	-	30+		HT	WS/fo	S	250	E	52		0625125	7176268	
3:14	-	18		ice	WS	N	550	E	17		0640351	7154433	
3:17	-	32		HT	WS/fo	N	300	W	18		0640191	7152174	
3:30	-	57		HT	WS/fo	N	500	E	27		0636214	7158597	
3:36	-	139		HT	WS	N	350	E	27		0636122	7159516	
3:50	-	200+		HT	WS/fo	N	300	E	42		0629286	7169721	
3:55	-	53		HT	WS	N	250	E	43		0629287	7170509	
4:05	-	180+		HT	WS/fo/ice	N	200	E	52		0625011	7176744	
4:11	-	200+		HT	WS/fo	N	350	W	53		0625036	7177803	
4:20	-	200+		HT	WS/fo	N	200	E	55		0626186	7182540	Running from

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Escher/Avens), RO (Rock & Boulder), and DI (Disturbed)

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courtship), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 2 of 2

Observer Names

km

Precipitation: Growing

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adulthood).

³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Fleeing), DD (Ducking), CM (Chasing), MV (Moving), DI (Defecating).

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest) (Flying), DB (Dive-bombing), SW (Swimming), NE (Nesting), LI (Ligging)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank AWAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 2019/11/01

Time Started 1:30

Time Ended 3:00pm

Page 1 of 1

Start Location (UTM) Meadowbank K

End Location

Observer Names: J.P./N.E.

Temperature: -11 Wind Speed (km/hr): 15 Wind Direction: NW Visibility (circle): 100m 500m (1km > 1km) Precipitation: Eq.

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
3:37	caribou	20+		HT	RE	E	150		60				crossing road
3:47		60+		HT	WS	E	150		60				crossing road
3:59		150+		HT	WS	E			53				crossing road
4:14		5		HT	WS	E	150		49				crossing road
4:24		34		HT	WS	E	150		41				
4:40		13		HT	WS	E	200		29				
4:43		30		HT	WS	E	150		27				
5:36		40+		HT	WS	E	150		33				

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank A/WAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 2019/11/01

Time Started 6:30

Time Ended

Page 1 of

Start Location (UTM) Meadowbank

End Location

Observer Names: J.P.N.E.

Temperature: Wind Speed (km/hr): Wind Direction: Visibility (circle): 100m 500m 1km >1km Precipitation:

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)			Comments	
									KM	Zone	Easting		Northing
8:05	Caribou	45		HT	WS	S	150	E	41		0629304	7164709	
8:10		81		HT	WS/46	S	75	E	41		0630298	716651	
8:17		16		HT	RE	S	16	E			0630298	716651	
8:22		44		HT	WS/46	S	75	E			0630465	7166278	
8:36		13		HT	FO/RE	S	100	E			0633974	7163026	
10:53		16		HT	WS	N	200	E	32				
11:02		33		HT	WS	N	350	E	38				
11:11		94		HT	WS/46	N	100	E	39				
11:24		100+		HT	WS/46	N	120	E	53				
11:41		150+		HT	WS	N	CR650m ⁹ Road	E to W	53		0624927	7177115	
11:55		16							58				
12:02		18							66				
12:05		9							72				

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Escher/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment:

Meadowbank AWA/R

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 2019/11/02

Time Started 6:30

Time Ended 11:00

Page 1 of 1

Start Location (UTM) Meadowbank

End Location Mbk

Observer Names: J.P. N.E.

Temperature: 21 Wind Speed (km/hr): 20 Wind Direction: SW Visibility (circle): 100m 500m 1km >1km Precipitation: None

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
7:28	Caribou	60+		HT	WS-RE	S	125	E	53	14W	0625042	7177850	
7:54	Fox	1		HT	WS	S	Road			14W	0625042	0629131	7170629
7:54	Wolf	1		1CE	WS	S	10	E	38	14W	0630010	7168044	
8:14	Caribou	57		HT	WS	S	500	E	28	14W	0635614	7160472	
8:23	Caribou	200		HT	WS-FD	S	Crossing	Both	19	14W	0639412	7153914	
8:05	-	1		HT	WS	N	300	E	23	14W	0639496	7155441	
9:18	-	150+		HT	WS-FD	N	350	E	30	14W	0635386	7160892	
9:34	-	150+		HT	WS	N	500	WS	37	14W	0629982	7167035	
9:39	-	200		HT	WS	N	400	E	39	14W	0630036	7168672	
9:57		200 300		HT	FO		800	WS	47	14W	0626543	7173146	
10:21	-	1		HT	WS	N	500	WS	67	14W	0626912	7190885	
10:22		60+		HT	E	N	500	WS	73	14W	0626808	7195778	

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Escher/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

AGNICO EAGLE MINES – ROAD WILDLIFE MONITORING SURVEY FORM - 2019

Circle the Relevant Segment: Meadowbank AWAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 2019/11/13

Time Started 7:30

Time Ended 16:00

Start Location (UTM) Baker Lake

End Location Meadowbank

Observer Names: J.P.

Page 1 of 1

Temperature: -26

Wind Speed (km/hr):

Wind Direction: N

Visibility (circle): 100m 500m 1km

>1km

Precipitation: Blowing Snow

Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (E or W)	Location on Access Road (GPS Coordinates)				Comments
									KM	Zone	Easting	Northing	
8:19	California	1			Re	N	75	E	35	14W	0630078	7166603	
8:33	-	53			WS	N	400	E	43	14W	06289133	7171536	
8:36		74			WS	N	500	E	50	14W	0625337	7175157	
8:42		2			fo/WS	N	100	E	53	14W	0624979	7177461	Noted
1:54	-	53			WS/FO	S	350	E	60		0625937	7143682	
2:00		44			So	S	300	E	64		0626314	717947	
2:05		400			WS	S	100	E	53		0625014	7177710	crossing
2:43		150			WS/FO	S	100	E	36		0630029	7168268	
2:55		1000			WS	S	350	E	32		0633860	7165372	

¹ Sex = M (Male) or F (Female); Age = C (Calif. Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Escher/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SV (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

$$\frac{W}{a}$$

Whale Tail Haul Road

Page 1 of 1

Precipitation: Downing rd

Sex = M (Male) or F (Female), **Age** = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courtting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1

Observer Names: N. Enayak, C. Shapka

Temperature: 16 Wind Speed (km/hr): 15 Wind Direction: N Visibility (circle): 100m 500m 1km ≥1km Precipitation: N/A

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

2 Habitat = WA (Water), SE (Seedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), L (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

* Behaviour = RE (Resting), S (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WC (Walking Quickly), IR (Idling), RU (Running), MI (Milling), L (Lumping), CO (Counting), FE (Feeding), FL (Flapping), DI (Digging), SW (Swimming), NE (Nesting), DB (Dive-Bombing), FI (Flying).

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page ____ of ____

Observer Names: Christopher S. Wall

Temperature: -15 Wind Speed (km/hr): 25 Wind Direction: N Visibility (circle): 100m (500m) 1km >1km Precipitation: —

[illegible]

(Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
 4 Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

2

Whale Tail Haul Road

Page 1 of 1

Observer Names: V. V. T. G.

500m 1km >1km Precipitation:

¹Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
²Habitat = WVA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avers), RO (Rock & Boulder), and DI (Disturbed)
³Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Circle the Relevant Segment: Meadowbank AWA Vault Haul Road Whale Tail Haul Road

Date (year/month/day) 2019.11.10 Time Started 09:10 Time Ended 11:00 Page 1 of 1

Start Location (UTM) M8K

End Location KM83

Observer Names: Mettia

Temperature: _____ Wind Speed (km/hr): _____ Wind Direction: _____ Visibility (circle): 100m 500m 1km >1km Precipitation: _____

Page 1 of 1

Martin Arbib

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Cub or Pup), Y (Yearling), and A (Adult).
² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Eske/Avens), RO (Rock & Boulder), and DI (Disturbed).
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging).
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest).

3

Whale Tail Haul Road

Page 1 of 1

Dele Nabele

Precipitation: clear

③

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

7

Whale Tail Haul Road

Page 1 of 1

Observer Names: V. U. T. P. D. H.

Temperature: -16 Wind Speed (km/hr): 18 Wind Direction: NW Visibility (circle): 100m 500m 1km >1km Precipitation: 0

I

¹ *Hedera helix* = RE (Resilient), SI (Standing), AL (Alert), FO (Foot-reading), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL (Flapping). DB (Dive-Bombing), SW (Swimming), NE (Nodding), DV (Disturbed).

2

[Handwritten signature]

1)

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6759

Whale Tail Haul Road

Page 1 of 1

Deft

Precipitation: Clear.

1 1 1 1 5

² **Haabitat** = WA (Water), SE (Sege), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

³ **Behaviour** = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)

⁴ **Direction of Travel** = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)



MBK
AWAR

7

Temperature: -16°C

Wind Speed: 14 $\frac{\text{km}}{\text{hr}}$

Wind Direction: N/E

Wind Speed: 14 km/h

3/17

Precipitation:

[illegible]

7

Whale Tail Haul Road

02

Observer Name: Devi Nathalia

Temperature: _____ Wind Speed (km/hr): _____ Wind Direction: _____ Visibility (circle): 100m 500m 1km >1km Precipitation: _____

¹ *Sex* = M (Male) or F (Female), *Age* = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² *Habitat* = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ *Behaviour* = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ *Direction of Travel* = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)



Whale Tail Haul Road

Page 1 of 1

Observer Names: V. A. P. H. 7

>1km

[illegible]

¹ Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

• Habitat = WA (water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

(Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging),
WR (Walking Quickly), WL (Walking Slowly), WQ (Waiting Quietly), FL
(Flapping), IR (Idling), RU (Running), MI (Milling), LI (Limping), CO (Courtship),

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

3650
2
X

Whale Tail Haul Road

Page 1 of

Observer Names: AB

Temperature: -12° Wind Speed (km/hr): 30 Wind Direction: _____ Visibility (circle): 100m 500m 1km >1km Precipitation: —

✓

3 Behaviour = BE (Resting), ST (Standing), AT (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), BU (Bumping), MI (Milling), H (Himpering), CO (Courtship), FH (Habitat = WA (Water), SE (Seege), BR (Briar & Ribwort's Sift), HI (Heath Unfaded), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Arvens), RO (Rock & Boulder), and DI (Disturbed).

⁴Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

7

Whale Tail Haul Road

Page 1 of 1

Observer Names: V.V. D.N.

1km $> 1\text{km}$ Precipitation: Fluvial

¹ Sex = M (Male) or F (Female), Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
² Habitat = WA (Water), SE (Seege), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esken/Avens), RO (Rock & Boulder), and DI (Disturbed)
³ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Habitat = WA (Water), SE (Seedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)

Beinavoli - RE (Resiligi), S (Stalidigi), AL (Alert), H-O (H-oraging), WS (Waking Slowly), WQ (Waking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Disinert)

⁴ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Circle the Relevant Segment:

Meadowbank AWWAR

Vault Haul Road

Whale Tail Haul Road

Date (year/month/day) 19-11-23

Time Started 69:25

Time Ended 12:05

Page 1 of 1

Start Location (UTM) mBlk

End Location	Whole
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Observer Names: Dosek N

Temperature: _____ Wind Speed (km/hr): _____ Wind Direction: _____ Visibility (circle): 100m 500m 1km >1km Precipitation: _____

[illegible]

Sex = M (Male) or F (Female); **Age** = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

³ *Habitat* = WA (Water), SE (Seage), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed).
⁴ *Behaviour* = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL (Flirting), DR (Drive/Boisterous), SV (Submissive), NT (Nest), and SC (Scent Marking).

(Lying), BD (Dive-Building), SV (Swimming), NE (Nesting), DI (Digging)

Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest).

Whale Tail Haul Road

Page 2 of 1

S: Doelen

> 1km Precipitation: clear sky

[illegible]

Direction of travel: N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest).

⁴**Direction of Travel** = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1

Observer Names: V.V. D.M. S.R.

Temperature: 28 Wind Speed (km/hr): 33 Wind Direction: N Visibility (circle): 100m 500m 1km >1km Precipitation: —

[illegible]

1 Sex = M (Male) or F (Female), Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
2 Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avers), RO (Rock & Boulder), and DI (Disturbed)
3 Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Counting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
4 Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

500m 1km

0	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	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
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² sex = M (male) or F (female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)
³ Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)
⁴ Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courtng), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
⁵ Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

(Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
 Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)

Whale Tail Haul Road

Page 1 of 1

Observer Names: V-N, I.C.

~~1km~~ > 1km Precipitation: _____

[illegible]