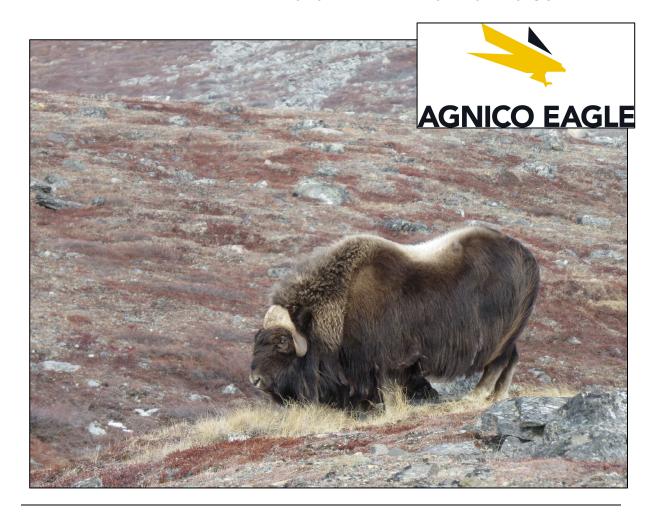


MEADOWBANK GOLD MINE PROJECT 2019 WILDLIFE MONITORING SUMMARY



MEADOWBANK MINE

2019 WILDLIFE MONITORING SUMMARY REPORT

FINAL

APPENDIX A

2019 Road Survey Forms - Meadowbank AWAR and Vault Haul Road

Start Location (UTM) Vau I+ End Location Km 136 Observer Names: KWIN M ka Temperature: 19.7 Wind Speed (km/hr): 32.2 Wind Direction: SE Visibility (circle): 100m (500m) 1km >1km Precipitation:	Time Ended 4, 40 Observe ty (circle): 100m 500m	Page Observer Names: KONID M. 1km >1km Precipitat	Page of in M _ ka+h sen Precipitation:	Leen N
Behaviour ³ Direction Distance Direction From Road from Road		Location on Access Road (GPS Coordinates)	PS Coordinates)	Comments
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End Location 1460 (Wind Direction:	Visibility (3.28 718872 y (circle): 10	00m	500r	er Names: Ju	Precipitation:	
Direction		Direction rom Road	Loca	tion o	n Access Road (GPS Coordinates)	Comments
of Travel ⁴		(N or S)	X	Zone	Easting	Northing	
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	Time Species Number Sex and Habitation: Secretary 240 — HT Fo HT RE Court for Research C	Location 4W 062632 Direction: Visibility (Distance from Road from	Location 4W 0626328 71897; Direction: S Visibility (circle): 10 Direction from Road from Road (m) (N or S) 300M W 300M W	Direction: SVisibility (circle): 100m Direction from Road from Road (m) (N or S) KM 330m W 75	Location 14M 0626 328 718926 Observed Direction: Section Visibility (circle): 100m 500n Direction Distance Direction Cocation of Travel 150m M 97 14M 300m M 97 14M 300m M 75 14M 150m M 75 14M 150m	Location 44J 0626 328 7189726 Observer Names: Jast Direction: Substance Direction from Road from Road (N or S) Location on Access Road (N or S) KM Zone Easting 300 m W 97 14W 06324421	Travel Usibility (circle): 100m 500m 1km >1km Precipitation: Direction of Travel (m) Direction (N or S) MI Zone Easting Northing

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Time	Species Name	Number	Sex and Age ¹	Habitat Type	Behaviour ³	Direction of Travel ⁴	Distance Direction from Road from Road	Direction from Road		Location o	n Access Road (on Access Road (GPS Coordinates)	Comments
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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)

Page of of proper Names: Whale Tail Haul Road	Circle the Relevant Segment: Meadowbank AWAR Vault Haul Road Date (day/month/year) 09 04 15 Time Started 09 000 Time Ended 16:30 Start Location (UTM) 35602 47:3528 End Location 35602 47:3528 Cobserver Nation 19 000 Time Ended 16:30 Time Ended
	Whale Tail Haul R Page ames: **Mt.chn ag

Time	Species Name	Number	Sex and Habitat	Habitat Type	Behaviour ³	Direction of Travel ⁴	Distance Direction from Road from Road	Direction from Road	Location o	Location on Access Road (GPS Coordinates)	PS Coordinates)	Comments
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¹Sex = 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)

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

ure:	Wind S	peed (km/		End Loc Wind Dir	ation <u>w</u> ection:	_ Visibility	circle): 1	5	server 500m	Names: Vo. 1km >1km F	· ci	Don't
Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance from Road (m)	Direction from Road (N or S)	cat	on on A	ccess Road (GF	S Coordinates)	Comments
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rat rate of the contract of th	Date (day/month/yea Start Location (UTM) Species Name Species Name Na	Date (day/month/year) 10 Start Location (UTM) 10 Start Location (UTM) 10 Start Location (UTM) 10 Start Location (UTM) 10 Temperature:	ation (UTM) Powers with three:	ation (UTM) Powers Leadice ture:	Species Number Sex and Habitat Name Number Sex and Type Behaviours (ELC)? Wind Dir Number Number Nage (ELC)? Species Number Sex and Type Behaviours (ELC)? Species Number Sex and Type Behaviours (ELC)? Species Number Sex and Type Behaviours (ELC)? Species Number Nage (ELC)? Wind Dir Name Name Nage (ELC)? Species Number Sex and Type Behaviours (ELC)? Wind Dir Name Name Name Nage (ELC)? Species Number Nage (ELC)? Species Number Sex and Type Behaviours (ELC)? Wind Dir Name Name Nage (ELC)? No 11 700 Nait Name Name Name Name Name Name Name Name	Species Number Sex and Habitat Time Started Including (Mind Speed (km/hr): Wind Direction Including Species Number Age! (ELC): Wind Direction of Travel* Species Number Sex and Type Behaviour of Travel* Species Number Age! (ELC): Wind Direction Of Travel* Species Number Sex and Type Behaviour of Travel* Species Number Sex and Type Behaviour of Travel* Species Number Sex and Habitat Type Behaviour of Travel* Specie			Distance Direction from Road (m) (N or S) KM Z 100	Time Started King Phy Time Ended The Control of Travel o	Distance direction (m) (Nors) KM Z 100	Visibility (circle): 100m 500m 1km (>1km) Precipitation: Distance Direction from Road (M) Zone Easting Northing (M) Zone Easting Northing (Nors) W Zone Coordinates) (m) (Nors) W Zone Easting Northing (Nors) W Zone Coordinates) (m) Visibility (circle): 100m 500m 1km (>1km) Precipitation: (m) Visibility (circle): 100m 500m 1km (Shm) Precipitation: (m) Visibility (circle):

PM- Afternoon

Start Location (UTM) Souther Temperature:Wind Speed (ki	Wind Sp	<u> </u>	n/hr):	End Location Wind Direction:			Nisibility (circle): 100m	\circ	500m	Observer Names:	Page	n: Pauve
Time Species Name	Number	Sex and Age ¹	Habitat Type	Behaviour ³	Direction of Travel ⁴	Distance from Road	Direction from Road	Loca	tion on	Access Road (G	Location on Access Road (GPS Coordinates)	Comments
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Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen, 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 (Courting), 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)

						346 Caribon 9 F HT FO N 125 W 115 14N 0640159 722	1328 Caribum 200 Fry ItT RE NA 50 W 116 14W 0640032 722	1317 Caribon 2 F HT FO NA 125 W 1/2 144 0640648 721	Name Age (ELC) ² or Iravel (m) (N or S) KM Zone Easting	Habitat Direction Distance Direction Location	Page of	Vault Haul Road
		1				14/1	140	1000	Zone	Location on Access Road (GPS Coordinates)	Page ofof	ul Road Whale Tail Haul Road
	or or					74	35	56	ng	nates) Comments	Newberry M	ul Road

¹Sex = 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)

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(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)

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	XX6:28	17:9 W	5.45	526	Time	Circle the Date (day/mor Start Locatior Temperature:
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					3PS Coordinates) Northing	Whale Tail Haul Road Page of nes:
					Comments	of Owner

^{&#}x27;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: Meadowbank AWAR		Vault Haul Road	Whale Tail Haul Road
Date (day/month/year) 2019-04-11	Time Started 5:10 Time Ended	Time Ended	Page of
Start Location (UTM) MBK	End Location Vaul+ La	End Location Vault Laydown Observer Names:	imes: Kathloon
Temperature: -13 Wind Speed (km/hr): $\frac{1}{2}$ Wind Direction: $\frac{1}{2}$ Visibility (circle): 100m 500m 1km (>1km) Precipitation:	ી Wind Direction: Sિ⊑ Visibi	lity (circle): 100m 500m 1ki	m (>1km) Precipitation:

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Canbau 180 - HT FO,W E 150 E 113													
	1 8h: £	Canbou	180	1	丰	FO, W	П	150	m	113	MHI	0.359	1200

Habitat = WA (Water), St. (Sedge), BR (Birch & Riparian Shrub), H1 (Heath Tundra), L1 (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and D1 (Disturbed)
 Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), L1 (Limping), CO (Courting), FL (Flying), DB (Dive-Bombing), SW (Swimming), NE (Nesting), DI (Digging)
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Circle the Relevant Segment: Meadowbank AWAR	~	Vault Haul Road	Whale Tail Haul Road
Date (day/month/year) /2/04//9	Time Started つり・いひ Time Ended 16・13	me Ended 16:15	Page of 2
15.45°	End Location 5435414/3/357858 Observ	Se Observer Name	S. Vietatros & Kitava
Temperature: 10 Wind Speed (km/hr): 100m Wind Direction: 5 Visibility (circle): 100m	Wind Direction: 5 Visibility (-	1km >1km Precipitation: For Patches

Time	Species	Number		Habitat Type	Behaviour ³		ce ad	Direction from Road	Loc	ation c	Location on Access Road (GPS Coordinates)	PS Coordinates)	Comments
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Sex = M	Sex = M (Male) or F (Female); Age = C	ale);	Calf, Chick	<, Cub or F	(Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)	j), and A (Adu	Ē,		45				•

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)

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

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

AGNICO EAGLE MINES. — ALL-WEATHER ACCESS ROAD (AWAR) SURVEY FORM - 2019

Temperature: つしつ Wind Speed (km/hr): <u>らん</u> Wind Direction: <u>らい</u> Visibility (circle): 100m と	Start Location (UTM)	Date (day/month/year) <u>12</u>
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Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup). Y (Yearling), and A (Adult)				3	A STATE OF THE STA				,	TO ACK	15:58 Acta	70		Species Name
); Age = C (C										2	60	7	Age	Number, Sex and
alf, Chick, C			· photo							Bridge Hay	¥	13	(FLC)*	Habitat Type
ub or Pup). Y (E					X	(12/2 Vol. 16)		Habitat Direction Distance Direction Type Behaviour ³ of Travel4 from Road from Road
Yearling), and										Jan Cart	, s	Z		Direction of Travel ⁴
A (Adulf)											7866	3	(m)	Distance from Road
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								177.46.00.1.1	4	14W 6427492	643466	C3533 W	Easting	on Access Road (GPS Coordinates)
		1 100000									30h5ht	2134012	Northing	iPS Coordinates)
							A Company of the Association of the Company of the					¥		Comments

^{&#}x27;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 Date (da Start Loc Tempera	Circle the Relevant Segment: Date (day/month/year) 20 9-04-12 Start Location (UTM) MBK Temperature: -8.6 Wind Speed (km/hr):	vant Se r) 2019- MBK Wind Sp	gyment	l: Me	Meadowbank AWAR Time Started 5:10 End Location 1/4441	Idowbank AWAR Time Started 5:10 End Location 1/411 Wind Direction: SE	dowbank AWAR Time Started 5 10 Time End End Location	Vault Haul Road Time Ended 5:25 Observe ity (circle): 100m 500m	JI Road 5:25 Obser) 1km		oad of
Time	Species	Number	<u> </u>	Habitat Type	Behaviour³	Direction of Travel ⁴	Distance Direction from Road from Road	Direction from Road	Location	Location on Access Road (GPS Coordinates)	₹PS Coordinates)	Comments
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^{**}Tsex = 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)

Wind Speed (km/hr): Wind Dire Sex and Habitat Type Behaviour ³
Species Number Sex and Habitat Behaviour Direction Distance Direction Location on Access Road (GPS Coordinates)
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9.45 caribu 32 - HT W/60 N 20m W 77 HW/202593 7199587
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^{*}Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Stowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), LI (Limping), CO (Courting), 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)

Circle Date (d Start Le	Circle the Relevant Segment: Meadowbank AWAR Date (day/month/year) 2019 - 04 - 13 Time Started 7 : 12 Start Location (UTM) MBK End Location KM8 Temperature: 6 5 Wind Speed (km/hr): 19 Wind Direction: 10 vind Direction	vant S	egmen	hr); f:	eadowbal Time Sta End Loca	dowbank AWAR Time Started +:/2 End Location kM	PRINTER NO.	Vault Haul Road Time Ended 6:35 Observe y (circle): 100m 500m	ul F	Road 35 Sbserv 500r	Whale whale er Names: 1km	Circle the Relevant Segment: Meadowbank AWAR Vault Haul Road Whale Tail Haul Road Date (day/month/year) 2019 - 04 - 13 Time Started 7 : 12 Time Ended 6 : 35 Page of Start Location (UTM) M B K End Location K M B B Observer Names: K g + h p p h Precipitation: Temperature: 6 : 5 Wind Speed (km/hr): Wind Direction: Visibility (circle): 100m 500m 1km >1km Precipitation: M No No No No No No No	ad of
Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour³	Direction of Travel ⁴	Distance from Road	Distance Direction from Road from Road	L00	ation o	n Access Road (Location on Access Road (GPS Coordinates)	Comments
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Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

2 Habitat = VVA (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)

Time Ended 16.000 Page Time Ended 16.000 Page Time Ended 16.000 Page Page Page Page Page Page Page	Page of pitation:
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Species Number Sex and Habitat Type Age Type Behaviour Direction Infraction			***************************************		7		1.5km	(五	£.	69	Caribou	17:06
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Species Name Number Name Sex and Type Age¹ (ELC)² Behaviour of Travel¹ (m) Direction from Road from Road (M or S) Location on Access Road (GPS Coordinates) COLY (DNU 27 - HT MS/FO N/200M HT MS N/S N/S M OR NOTS) N 27 MI ZONE Easting Northing COLY (DNU 27 - HT MS/FO N/S M) N/S M/S M/S M N 27 MI ZONE Easting NORTHING COLY (DNU 31 - HT MS/FO N/S M) N/S M/S M/S M N 300M N/S M N 36 COLY (DNU 32 - HT MS/FO N/S M) N/S M/S M/S M N 38 Easting Northing COLY (DNU 32 - HT MS/FO N/S M) N 400M N/S M N 38 Easting Northing COLY (DNU 33 - HT MS/FO N/S M) N 400M N/S M N 38 Easting Northing COLY (DNU 33 - HT MS/FO N/S M) N 400M N/S M N 38 Easting Northing COLY (DNU 34 - HT MS/FO N/S M) N 400M N/S M N 400M N/S M N 400M N/S M COLY (DNU 34 - HT MS/FO N/S M) N 400M N/S M N 400M N/S M N 400M N/S M COLY (DNU 34 - HT MS/FO N/S M) N 400M N/S M N 400M N/S M N 400M N/S M COLY (DNU 34 - HT MS/FO N/S M) N 400M N/S M N 400M N/S M N 400M N/S M COLY (DNU 34 - HT MS/FO N/S M) N	wed more ance	abser			ñ		2001	2	25		Banch	(). ():	aribu	
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Species Number Sex and Habitat Behaviour Oirection Distance Corribou Location on Access Road (GPS Coordinates Corribou 11 HT MS/FO M 20m From Road From Road From Road From Road Reasting Northing Corribou 27 HT MS M 300m M 28 Easting Northing Corribou 31 HT MS/FO					2		j20 M	١	70	二	١	5		
Species Number Sex and Habitat Name Number Sex and Type Behaviour Of Travel of Travel (m) Stance Direction (n) CD-r (DDU 41 - HT MS/FO M 200m (N or S) KM Zone Easting Northing (CD-r (DDU 42 - HT MS/FO M 200m M 27 CD-r (DDU 42 - HT MS/FO M 200m M 28 CD-r (DDU 42 - HT MS/FO M 200m M 200							20dm	1	괴	7	. 4	Š	Cariona	出に
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Species Number Sex and Number Sex and Number Sex and Type Age¹ (ELC)² Behaviour³ of Travel¹ (m) Distance Direction from Road from Road (Mor S) KM Zone Easting Northing					රය	<u>V</u> 2	300m	2	N.		4	-	CALLEDY	
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	ments	Comm		Access Road (G	Location on ,			Direction of Travel	Behaviour ³	Habitat Type	Sex and	Number	Species	Time
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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), DI (Digging)

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

Circle Date (da Start Lo Tempera	Circle the Relevant Segment: Date (day/month/year) 14-04-2019 Start Location (UTM) MBK Temperature: 8.4 Wind Speed (km/hr):	vant Se r) 14-04 MB/ Wind Sp	egment - 2019	t: Me	Meadowbank AWAR Time Started 5:15 End Location KM 20:3 Wind Direction: NF	dowbank AWAR Time Started 5:15 End Location KM 77 Wind Direction: WE Visibil	R \	Vault Haul Road Time Ended <u>7:35</u> Obser y (circle): 100m 500	ul Roau 1 7:35 Obse	d Prver Nar	Whale nes: <u>Ka</u>	Circle the Relevant Segment: Meadowbank AWAR Vault Haul Road Whale Tail Haul Road Date (day/month/year) 14-04-2019 Time Started 5-15 Time Ended 7-35 Start Location (UTM) MBK End Location KM 77 Observer Names: Kathleen Temperature: 6.4 Wind Speed (km/hr): 20.3 Wind Direction: ME Visibility (circle): 100m 500m (1km) >1km Precipitation: —	of ad
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 (N or S)	Location	n on Acce	cess Road (G	Location on Access Road (GPS Coordinates)	Comments
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^{*}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)

Start Lo Tempera	Start Location (UTM) <u>(</u>	Wind Sp	Wind Speed (km/hr):	hr):		End Location <u>vant bedden</u> Wind Direction: <u>MM</u> Visibility (circle	Visibility	End Location אל לבילליטין ביינוליטין ביינוליטיין ביינוליטיין ביינוליטיין ביינוליטיין ביינוליטיין ביינוליטיין ביינוליטיין ביינוליטייין ביינוליטיין ביינוליטיין ביינוליטייין ביינוליטיין ביינוליטיין ביינוליטיין ביינוליטייין ביינוליטייין ביינוליטייין ביינוליטיייין ביינוליטייין ביינוליטייייליטייין ביינוליטיייין ביינוליטיייין ביינוליטייייייייייייייייייייייייייייייייי	Obse)0m 50	Observer Names:	ames: 1km	>1km Precipitation:	7 7
Time	Species Name	Number	Sex and Age ¹	Habitat Type (ELC) ²	Behaviour ³	Direction of Travel ⁴	Distance Direction from Road from Road (M) (N or S)		z at	on Acc	ess Road (G	on on Access Road (GPS Coordinates)	Comments
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Temperature: Wind Speed (km/hr): 15 Wind Direction: Visibility (circle): 100m 500m 1km	Wind Spu	d Speed	peed (km/hr): 15		Wind Dire	ection:	Visibility (circle): 1 Distance Direction	(circle): 1 Direction	00m 500	500m	1km >1km	Om 1km >1km Precipitation:_ on Access Road (GPS Coordinates)	<u> </u>	
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**TSex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

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

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

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

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

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

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

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

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

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

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

**Pup (Alent) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), Alent), Alent), Alent) or F (Foraging), Alent), Alent) or F (Foraging), Alent), Alent), Alent), Alent), Alent) or F (Foraging), Alent),
Circle the Relevant Segment: Meadowbank AWAR Vault Haul Road Whale Date (day/month/year) 16 - 04 - 20 q Time Started 5 - 3 Q Time Ended 7 - 0 Q Start Location (UTM) MBK End Location KM 92 Observer Names: Kg Temperature: 17 7 Wind Speed (km/hr): 27 8 Wind Direction: NF Visibility (circle): 100m 500m 1km (>1km)	MBK Wind Spo	2019	ir): 27	Meadowbank AWAR Time Started 5:30 End Location KM 27.8 Wind Direction: NF	dowbank AWAR Time Started 5:30 End Location KM 92 Wind Direction: NE Visi	R \	Vault Haul Roac Time Ended 7:0 Obse	ul Road 1 7:00 Obser 00m 500	Coad Whale Cobserver Names: Ka	Whale Tail Haul Road Page of _ es:K&th && D 21km Precipitation:	of
Time Species	Number	٥	Habitat Type	Behaviour ³	Direction	Distance from Road	Direction from Road	Location	Location on Access Road (GPS Coordinates)	PS Coordinates)	Comments
Name		Age¹	(ELC) ²		of Travel ⁴	(m)	(N or S)	KM Zone	Easting	Northing	
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6:13 Caribou	30	1	HT	AL-WS	S,E	25	X	93	Cross	ed Road	(8)
6:38 caribou	70	1.	干	AL-FO	ı	20	٤	92			
6:38 musk ox	G	•	土	PIT	1	800	٤	92			
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Sex = M (Male) or F (Fema ² Habitat = WA (Water). SE	ale); Age = C	(Calf, Chick (Birch & Ri	k, Cub or P parian Shr	oup), Y (Yearling ub), HT (Heath	g), and A (Adu Tundra), LI (L	it) it) ichen). LR (Li	hen-Rock), R	C (Ridge Cres	st/Esker/Avens), RO (R	ock & Boulder), and [) (Disturbed)
 Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), H1 (Heath Tundra), L1 (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), RO (Rock & Boulder), and D1 (Disturbed) Behaviour = RE (Resting), ST (Standing), AL (Alert), FO (Foraging), WS (Walking Slowly), WQ (Walking Quickly), TR (Trotting), RU (Running), MI (Milling), L1 (Limping), CO (Courting), 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) 	(Sedge), BR , ST (Standir g), SW (Swim Jorth), NE (N	t (Birch & Rij ng), AL (Aler nming), NE (ortheast), E	t), FO (Fo Nesting), I (East), SE	raging), WS (Wataging), WS (Wataging) I (Digging) (Southeast), S	alking Slowly), (South), SW	WQ (Walking (Southwest), \	Quickly), TR (West), and	(Trotting), RU (Northwe	(Running), MI (Milling)	ock & Boulder), and L , LI (Limping), CO (Co	ourting), FL

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Dat	te (da)	Date (day/month/year)				e Started	Time Started OF: 50	Time	Ende	Time Ended 15	: Sa	Page /	of
Ter	Temperature:	ture:\	Wind Speed (km/hr):	d (km/hr)		Wind Direction:	on:Vi	sibility (cir	cle):	100m	500m 1km >1k	Wind Direction:Visibility (circle): 100m 500m 1km >1km Precipitation:	Children Control
=	Time	Species Name	Number, Sex and	250000000000000000000000000000000000000	Behaviour ³ Direction	Direction	Distance from Road	Direction from Road	-	Location	ı on Access Road (GPS Coordinates)	PS Coordinates)	Comments
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Sex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

2 Habitat = VVA (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), VVQ (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), VV (West), and NVV (Northwest)

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i l							8			Number	_Wind Sp	T A	vant So
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2							-	*	(ELC) ²	Habitat Type	1r):		: Me
n) V Vearling							THO C	,		Behaviour ³	_ Wind Dire	Time Star	adowbar
and a (Adult)							1			Direction of Travel ⁴	ction:	End Location Valt	ık AWAI
.							25	į	(m)	Distance from Road	_ Visibility	2017 7	`
,							C	r	(N or S)	Direction from Road	(circle): 1	ime Ended	Vault Haul Road
									KM Zone	Location o	Wind Direction:Visibility (circle): 100m 500m 1km	End Location Vall Time Ended 5.30	ıl Road
							1 600 CV		Easting	Location on Access Road (GPS Coordinates)	>1km	er Names:	
								*	Northing	PS Coordinates)	Precipitation:	Page of	Whale Tail Haul Road
To the second se								A		Comments		of 	ad

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

**Pabitat = 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 (Courting), 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)

Start Location (UTM) New World Speed (km/hr): 15	1 1 0 1 1 1/20 explosed (km/h	2,	Time Started 5.80 Time Ended C End Location C Wind Direction: No Visibility (circle): 100m		Time Ended	Observe	Page o
Time Species Num	Number Sex and Age1	Habitat Type Behaviour³ (ELC)²	Direction of Travel ⁴	Distance Direction from Road from Road (m) (N or S)		Location on	Location on Access Road (GPS Coordinates)
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Circle the Relevant Segment: Meadowbank AWAR	adowbank AWAR	Vault Haul Road	Whale Tail Haul Road
Date (day/month/year) 17 84 119	Time Started 69:65 Time Ended 20, 3	Time Ended 20,30	Pageof
5758	End Location/520356037/3125758 Observ	1713-75 Observer Na	mes: V. Utatoce J. Ketaly
Temperature:Wind Speed (km/hr):Wind Direction:Visibility (circle): 100m 500m 1km >1km >1km Precipitation:	Wind Direction: Visibil	lity (circle): 100m 500m 1kr	m)>1km Precipitation:

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t Behaviour ³		(5)	Walk	Well	So Rest	11.11	A Charles	WALK	WALK	WALK	WALK					
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	KM	W	2	57	-5	ht.	-	9	83 8	88 2	2 88 82	- a & m -	CALLED THE PARKETS OF	CONTROL ASSOCIATION AND AND AND AND AND AND AND AND AND AN	THE RESIDENCE PROPERTY AND ADDRESS OF THE PARTY OF THE PA	TOTAL CONTROL AND THE AMERICAN CONTROL AND CONTROL OF C
Location o	Zone	3	1400	14/2	5	MA	STATE OF STATE OF	MH	LAN IAM							
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Comments						1	のナーイナッグ	94-444	9-4-4-4	92-454	94-44	94-44	12- Kt 24	12- Kt 24-19	94-4-44 WA	19-19 Km 15-19

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 (Courting), 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)

Tempe	Temperature: \(\frac{3}{2}\) Wind S	Wind Sp	eed (km/	hr): [9.4	Wind Dir	ection: NW	Wind Direction: NW Visibility (circle):	(circle): 10	00m (500m)	1km >1km	Wind Speed (km/hr): 14.2 Wind Direction: NW Visibility (circle): 100m (500m) 1km >1km Precipitation: Yes	105
Time	Species Name	Number	Sex and Age¹	Habitat Type (ELC) ²	Behaviour	Direction of Travel ⁴	Distance Direction from Road from Road (N or S)		Location on KM Zone	Location on Access Road (GPS Coordinates) KM Zone Easting Northing	SPS Coordinates) Northing	Comments

Circle the Relevant Segment: Meadowbank AWAR Date (dav/month/year) $18-04-2019$ Time Started $8:30$	vant Se	egment 4 − 2010	~ II	eadowbar Time Star	dowbank AWAR	^	Vault Haul Road Time Ended 9:05		G (a)	Whale	Whale Tail Haul Road	of /
Start Location (UTM) MBK End Location Vall+Laydawy Conserver Names: Kath leep to Temperature: 19.5 Wind Speed (km/hr): 7.7 Wind Direction: WW Visibility (circle): 100m 500m 1km (>1km) Precipitation:	MBK Wind Sp	eed (km/l	<u>.</u>	End Loca 子 Wind Dire	End Location <u>Va ルナーロッカがい</u> り Wind Direction: WW Visibility (circle): 10	/ Visibility	<u>d () w </u>	00	Observe 500m	Observer Names: Kar		
Time Species	Number	<u> </u>	Habitat Type	Behaviour ³	Direction	Distance from Road	Direction from Road	٢٥٥	ation or	Location on Access Road (GPS Coordinates)	PS Coordinates)	Comments
Name		Age¹	(ELC) ²		of Iravel*	(m)	(N or S)	X	Zone	Easting	Northing	
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t database and the second												
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Sex = M (Male) or F (Fern 2 Habitat = WA (Water), SE	ıale); Age = (:(Sedge), BR	C (Calf, Chic R (Birch & Ri	k, Cub or parian Sh	Pup), Y (Yearlin rub), HT (Heath	g), and A (Adu Tundra), LI (L	ılt) ichen), LR (Li	chen-Rock), R	C (Ric	ige Crest/	Esker/Avens), RO (Ro	rest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed)	(Disturbed)
*Benaylour = RE (Resultig), ST (Stationity), AL (Aleity, FO (Foldging), WS (Walking Slowly), WS (Walking Slowly), IN (Flying), DR (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)	y), SV (Swin	nming), NE (lortheast), E	(Nesting), (East), S	DI (Digging) E (Southeast), S	(South), SW	(Southwest), \	N (West), and	NW (Northwest)	, ri (riiibiii8); 00 (00	,

Circle Date (d	Circle the Relevant Segment: Date (day/month/year) <u>26/ターのリーノタ</u> Start Location (UTM) <u>MbK</u>	vant Se r) 20/9 Mbk	egmen	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Meadowbank AWAR Time Started <u>ラメ</u> 4% End Location <u>り</u> し	dowbank AWAR Time Started <u>57,4</u> End Location BL		Vault Haul Road Time Ended <u> </u>	ج کے ج	Road Lh 1/0 Dbserv	Road Whale Tail	Whale Tail Haul Road Page of es: MA. TC.	ad of
Temperature:	rature:	Wind Sp	Wind Speed (km/hr):	<u> </u>	Wind Direction:	ection:	_ Visibility	(circle): 1	00m	500r	n 1km >1km	Visibility (circle): 100m 500m 1km (>1km)Precipitation: None	Ohe
Time	Species Name	Number	Sex and Age ¹	Habitat Type	Behaviour ³	Direction of Travel ⁴	Distance Direction from Road from Road	Direction from Road	Loc	Location o	n Access Road (C	on Access Road (GPS Coordinates)	Comments
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	20												
Sex = M	Sex = M (Male) or F (Female): Age = C (Calf. Chick. Cub or Pun). Y (Yearling), and A (Adult).	e): Age = C	(Calf Chick	Cub or P	III) Y (Yearling	and A (Adul	*						
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² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen, 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)

¹ Sex = M ² Habitat = ³ Behavior (Flying), [⁴ Direction		,					15.55	13 M	1317	12:45	12:45	12.04		Time	Temper	Start Lo	Date (da	Circle
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ale); Age = C (Sedge), BR (Standir), ST (Standir g), SW (Swin Vorth), NE (N						3	た		4	۵		70		Number	Wind Sp	(Naccional Control of the Control of	3	vant Se
(Calf, Chick (Birch & Rip 1g), AL (Alert 1ming), NE (I ortheast), E) 0	ட	eed (km/h	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	egment
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up), Y (Yearling ib), HT (Heath aging), WS (Wa aging), WS (Wa (Digging) (Southeast), S				,		EC	The state of the s		3	Š		3 3 3		Behaviour ³	Wind Direction:	End Location	Time Star	Meadowbank AWAR
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t) wa (Valking (Valking Southwest), v					•	S	Ÿ	3000	400) (%)	7 % (S	77.		Distance from Road	_ Visibility			V
hen-Rock), Ro Quickly), TR V (West), and	•					٤		8	{	~		2	(N or S)	Direction from Road	Visibility (circle): 100m		Time Ended	Vault Haul Road
C (Ridge C (Trotting), NW (North							<u>-</u> 2	12/19	22	N 12 12	MY 39	S	KM Zone	Locatio	00m 5	Obs	H	ul Roa
}rest/Esk RU (Runn west)						5	2 2 2 3 2 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6		I		200	ne	on on A	00m 1km	erver N	0	g.
ˈest/Esker/Avens), RO (Rock & Boulder), and DI (Disturbed) የሀ (Running), MI (Milling), LI (Limping), CO (Courting), FL west)						630449	ともなる	182459	126967	12672	224323	77.75	Easting	Location on Access Road (GPS Coordinates)	ا ما	erver Names: V. With the	>	Whale
Rock & Bould)), LI (Limping						んごろ	ななながれ	アロスのペ	7203481	(みらがに	716570	77754	Northing	GPS Coordi	》Precipitation:		Page	Whale Tail Haul Road
er), and D)), CO (Co	:					2556	222	~\ 2\varthe 2\varthe	78	ð.	7a/	4	ing	inates)	tion:	H	-	ul Ro
urting), FL														Comments		Cost We	of .	ad

Sircle	Circle the Relevant Segment: Meadowbank AWAR	vant So	gment	:: (<u>\$</u>	adowbar	ik awai		Vault Haul Road	드	oad	Whale :	Whale Tail Haul Road	gd
)ate (da	Date (day/month/year) <u>2이이 - 이닉 - 2O</u>	r) 2019 -	04-20		Time Started	ted 9h	9h200M Time Ended	ime Endec	 _	md 0041		Page 1 o	<u></u>
Start Lo	Start Location (UTM) MDK	MbX			End Location BL	tion BL)bserv	er Names: 150	Observer Names: ISADCILC COUTURE	ure
emper	remperature: <u>2O</u> Wind Speed (km/hr): ≳	Wind Sp	eed (km/h	; <u>₹</u> &		ection: NA	Wind Direction: NN Visibility (circle): 100m	(circle): 1	00m	500n	1 km >1km	500m 1km (>1km) Precipitation: NOM	pho
				10-01	1)								
Time	Species	Number	Sex and	Habitat Type	Behaviour ³	Direction	Distance from Road	Direction from Road	_ 	Location o	on Access Road (GPS Coordinates)	PS Coordinates)	Comments
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Sex = M	Sex = M (Male) or F (Female): Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)	ale): Aαe = (Calf. Chick	Cub or F	יוה) א (Yearling	i) and A (Adu	3						

² Habitat = WA (Water), SE (Sedge), BR (Birch & Riparian Shrub), HT (Heath Tundra), LI (Lichen, 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: Meadowbank AWAR	vant Se	∍gment	<u>₩</u>	adowbar	nk AWA		Vault Haul Road	므	oad	Whale	Whale Tail Haul Road	ad
Date (day/month/year) シノタッケー 🍓 ユ	2-8/PC(1	54-10	72	Time Started %	rted King		Time Ended 11h		B		Page /	of
Start Location (UTM) BL	BL			End Loca	End Location MbK)bserv	Observer Names	Mid ARCH	+ Am BACK
Temperature:	Wind Speed (km/hr):	eed (km/h	- j	Wind Direction:	ection:	_ Visibility	Visibility (circle): 100m	00m	500n	500m 1km >1km	>1km Precipitation:	hone
Time Species	Number	٥	Habitat Type	Behaviour ³		Distance Direction from Road from Road	Direction from Road	Loc	ation o	n Access Road (Location on Access Road (GPS Coordinates)	Comments
Name		Age.	(ELC) ²		of fravel.	(m)	(N or S)	M	Zone	Easting	Northing	
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Sex = M (Male) or F (Fema	ale); Age = C	(Calf, Chick	Cub or F	up), Y (Yearling	g), and A (Adu	.						
2 Habitat = WA (Water), SE (Seeding), 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 (Courting), FL (Flying), DR (Dive-Rombing), SW (Swimming), NE (Nesting), DI (Directing)	(Sedge), BR , ST (Standin	(Birch & Rignary), AL (Aler	parian Shr t), FO (For	ub), HT (Heath raging), WS (Wa	Tundra), LI (Li alking Slowly),	ichen), LR (Lic WQ (Walking	hen-Rock), Ro Quickly), TR	C (Rid (Trottir	ge Crest ŋg), RU (Esker/Avens), RO (Running), MI (Milling	Rock & Boulder), and D)), LI (Limping), CO (Co	I (Disturbed) urting), FL
*Direction of Travel = N (North), NE (Northeast), E (East), SE (Southeast), S (South), SW (Southwest), W (West), and NW (Northwest)	North), NE (N	ortheast), E	(East), SE	(Southeast), S	(South), SW	(Southwest), V	V (West), and	NW (lorthwest			

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Time	Species	Number	Sex and	Habitat Type	Behaviour ³	Direction	Distance from Road	Direction from Road	Loc	ation o	Location on Access Road (GPS Coordinates)	PS Coordinates)	Comments
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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)

Time Species Number Sox and Habitat Page Direction Location	ircle	Circle the Relevant Segment: Meadowbank AWAR Vault Haul Road	vant Se	egmen	t: Me	eadowbar	nk AWA	; ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ault Hau	_ <u>_</u>	oad	Whale	Whale Tail Haul Road	, 3G
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Antho 2 most sit - 6 & 62 M		Species Name		Sex and Age ¹	Habitat Type (ELC) ²	Behaviour³		Distance from Road (m)	Direction from Road (N or S)	L _{OC}		Access Road (Gi	PS Coordinates) Northing	Comments
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^{**}Tsex = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

**Pup Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

**Pup Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

**Pup Age = C (Calf, Chick, Cub or Pup), Y (Yearling), 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 (Courting), 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)

rircle the Relevant Segment: (Meadowbank AWAR)		Vault Haul Road	Whale Tail Haul Road
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Comments	#PS Coordinates)	Location on Access Road (GPS Coordinates)	111	Direction from Road	Distance Direction from Road	Direction	D Akawio III 2	Habitat	Sex and		Species	

TSex = M (Male) or F (Female); Age = C (Calt, Chick, Cub of Pup), T (Teatinity), and D (Cisturbed Tsex = M (Male) or F (Female); Age = C (Calt, Chick, Cub of Pup), T (Teatinity), and D (Cisturbed Thabitat = WA (Water), SE (Sedge), BR (Birch & Ripath), HT (Heath Tundra), LI (Lichen), LR (Lichen-Rock), RC (Ridge Crest/Esker/Avens), MI (Milling), LI (Limping), CO (Courting), FL 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 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 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 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 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 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 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 3 Behaviour = RE (Resting), RU (Running), MI (Milling), LI (Limping), CO (Courting), FL 3 Behaviour = RE (Resting), RU (Running), RU (Running)

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Date (day/month/year) 24-04-2019	m) 24-6	A-20	10	Time Star	Time Started 14:15	S	Time Ended		8:00	>	18:00 N Page of	
Start Location (UTM)				End Location	tion				Observe	Names: /V.	Sauger C	Cabrio
Temperature:		Wind Speed (km/hr):	<u>.</u>	_ Wind Direction:	ection:	_Visibility	(circle): (1	(Om	(500m)	1km >1km F	Visibility (circle): (100m) (500m) 1km >1km Precipitation: Sh24	305
Time Species	Nimber	0	Habitat Type	Behaviour ³	Direction	Distance Direction from Road from Road	Direction from Road	Loc	Location on	on Access Road (GPS Coordinates)	PS Coordinates)	Comments
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^{**}Texx = M (Male) or F (Female); Age = C (Calf, Chick, Cub or Pup), Y (Yearling), and A (Adult)

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