





2019 Wildlife Sightings Report for the Lower Churchill Project

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REVISION LOG

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1.0 PURPOSE

The purpose of this Wildlife Sightings Report is to provide a summary of wildlife sightings and interactions with the Lower Churchill Hydroelectric Generation Project (including Muskrat Falls Generation and Labrador Transmission Asset [LTA]) and the Labrador-Island Transmission Link (L-ITL) for 2019. This is to comply with commitments made in various Protection and Environmental Effects Monitoring Plans (PEEMPs) for both the Generation and Transmission projects. These PEEMPs include:

- L-ITL Furbearers and Small Mammals Protection and Environmental Effects Monitoring Plan
- L-ITL Caribou Protection and Environmental Effects Monitoring Plan
- Lower Churchill Project (LCP) Black Bear Protection and Environmental Effects Monitoring Plan
- LCP Caribou Protection and Environmental Effects Monitoring Plan
- LCP Furbearers Protection and Environmental Effects Monitoring Plan
- LCP Moose Protection and Environmental Effects Monitoring Plan

2.0 SCOPE

As stated in the above listed PEEMPs, the On-Site Environmental Monitor (OSEM) is responsible for tracking wildlife sightings and encounters. Sightings, interactions and consequences that relate to furbearers, caribou, black bear and moose encounters during construction, have been recorded and are presented in a tabular format with the following information (as available):

- Date
- Time
- Location (UTM or lats/longs or other description)

- Interaction type – brief description of the type of interaction: sighting, human/animal conflict, vehicle/animal conflict
- Furbearer species details – sex, age, behavior at the time of the interaction
- Interaction details – explanation of the nature of the interaction
- Issue resolution – explanation of the action(s) undertaken to resolve the interaction
- Interaction consequence – description of the outcome (animal was scared away; animal was killed)
- Additional actions undertaken – details of actions undertaken (e.g., no additional actions required; report sent to Wildlife Division) and notes on regulatory compliance

3.0 ABBREVIATIONS & ACRONYMS

EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EPP	Environmental Protection Plan
DNR	Department of Natural Resources
LCP	Lower Churchill Project
L-ITL	Labrador-Island Transmission Link
LTA	Labrador Transmission Asset
NE	Nalcor Energy
NL	Newfoundland and Labrador
NLDMAE	Newfoundland and Labrador Department of Municipal Affairs and Environment
OSEM	On-Site Environmental Monitor
PEEMP	Protection and Environmental Effects Monitoring Plan
ROW	Right of Way

4.0 REFERENCE DOCUMENTS

ILK-PT-MD-0000-EV-PL-0005-01	L-ITL Furbearers and Small Mammals Protection and Environmental Effects Monitoring Plan
ILK-PT-MD-0000-EV-PL-0004-01	L-ITL Caribou Protection and Environmental Effects Monitoring Plan
LCP-PT-MD-0000-EV-PL-0006-01	LCP Black Bear Protection and Environmental Effects Monitoring Plan
LCP-PT-MD-0000-EV-PL-0005-01	LCP Caribou Protection and Environmental Effects Monitoring Plan
LCP-PT-MD-0000-EV-PL-0016-01	LCP Furbearers Protection and Environmental Effects Monitoring Plan
LCP-PT-MD-0000-EV-PL-0012-01	LCP Moose Protection and Environmental Effects Monitoring Plan
LCP-PT-ED-0000-EA-SY-0001-01	Environmental Impact Statement and Supporting Documentation for the Lower Churchill Hydroelectric Generation Project
LCP-PT-ED-0000-EA-SY-0002-01	Environmental Impact Statement and Supporting Documentation for the Labrador-Island Transmission Link

5.0 PROJECT DESCRIPTION

5.1 Muskrat Falls Generation

The Muskrat Falls Generation Project (see Figure 5-1) will include:

- 22 km of access roads, including upgrading and new construction, and temporary bridges;
- A 1,500 person accommodations complex (for the construction period);

- A north roller compacted concrete overflow dam;
- A south rock fill dam;
- River diversion during construction via the spillway;
- Five (5) vertical gate spillway;
- Reservoir preparation and reservoir clearing;
- Replacement fish and of terrestrial habitat;
- North spur stabilization works;
- A close coupled intake and powerhouse, including:
- Four (4) intakes with gates and trash racks;
- Four (4) turbine/generator units at approximately 206 MW each with associated ancillary electrical/mechanical and protection/control equipment;
- Five (5) power transformers (includes 1 spare), located on the draft tube deck of the powerhouse; and
- Two (2) overhead cranes each rated at 450 Tonnes



Figure 5-1 Muskrat Falls Generating Facility

5.2 Labrador Transmission Asset (LTA)

The LTA consists of the ac transmission line system from Churchill Falls to Muskrat Falls (see Figure 5-2), specifically:

- Churchill Falls switchyard extension;
- Muskrat Falls switchyard;
- Transmission lines from Muskrat Falls to Churchill Falls: double-circuit 315 kV ac, 3 phase lines, double bundle conductor, Single circuit galvanized lattice steel guyed suspension and rigid angle towers; 247 km long; and
- 735 kV Transmission Line at Churchill Falls interconnecting the existing and the new Churchill Falls switchyards

With the completion of the LTA and the asset operational, there has been a reduction in wildlife sightings Project personnel. In order to maintain compliance with the commitments that Nalcor and the Project made in the PEEMPs, Operations has generated a standard operating procedure for employees to report wildlife sightings when in the area of this asset.

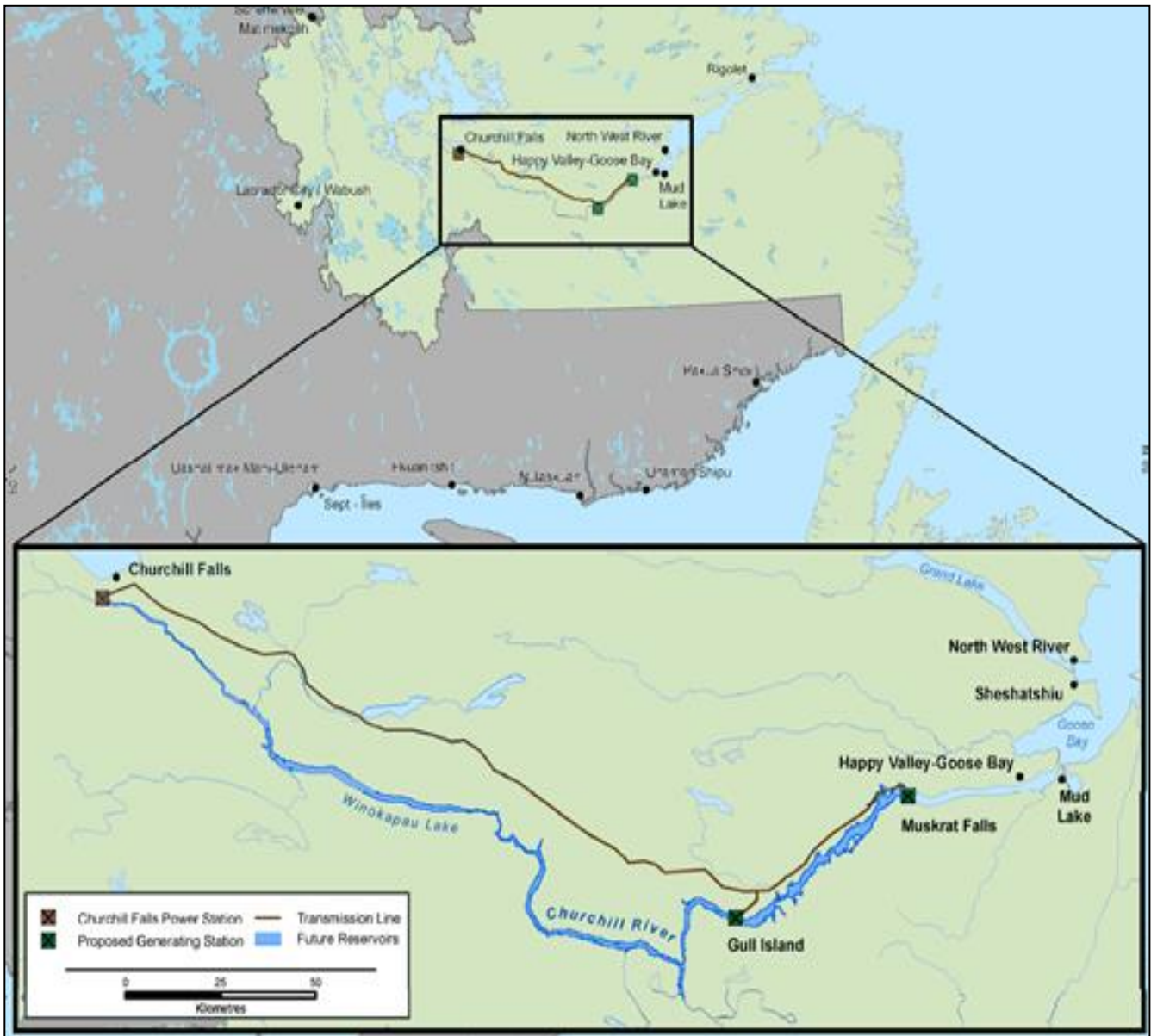


Figure 5-2 Labrador Transmission Asset

5.3 Labrador Island Transmission Link (LITL)

The Labrador –Island Transmission Link consists of a ± 350 kilovolt (kV) High Voltage direct current (HVdc) electricity transmission system from Central Labrador to the Avalon Peninsula on the Island of Newfoundland (the Island) (Figure 5-3).

The transmission system includes the following key components:

- An alternating current (ac) to direct current (dc) converter station at Muskrat Falls;

- Approximately 400 km overhead HVdc transmission line from Muskrat Falls to Forteau Point;
- A 60 m wide Right Of Way (ROW);
- Three, approximately 35 km long, submarine cables across the Strait of Belle Isle (SOBI) (i.e., between Forteau Point and Shoal Cove), with associated onshore infrastructure (transition compounds and land cables at both cable landings);
- Approximately 700 km of overhead HVdc transmission line from Shoal Cove to the Avalon Peninsula;
- A dc to ac converter station at Soldiers Pond;
- Shoreline electrodes at L'Anse au Diable and Dowden's Point,
- An overhead, wood pole electrode line
 - Near Forteau Point and L'Anse au Diable; and
 - Between Soldiers Pond and Dowden's Point.

With the completion of the LITL and the asset nearing the operational phase, there has been a reduction in wildlife sightings made by project personnel. In order to maintain compliance with the commitments that Nalcor and the Project made in the PEEMPs, Operations has generated a standard operating procedure for employees to report wildlife sightings when in the area of this asset.

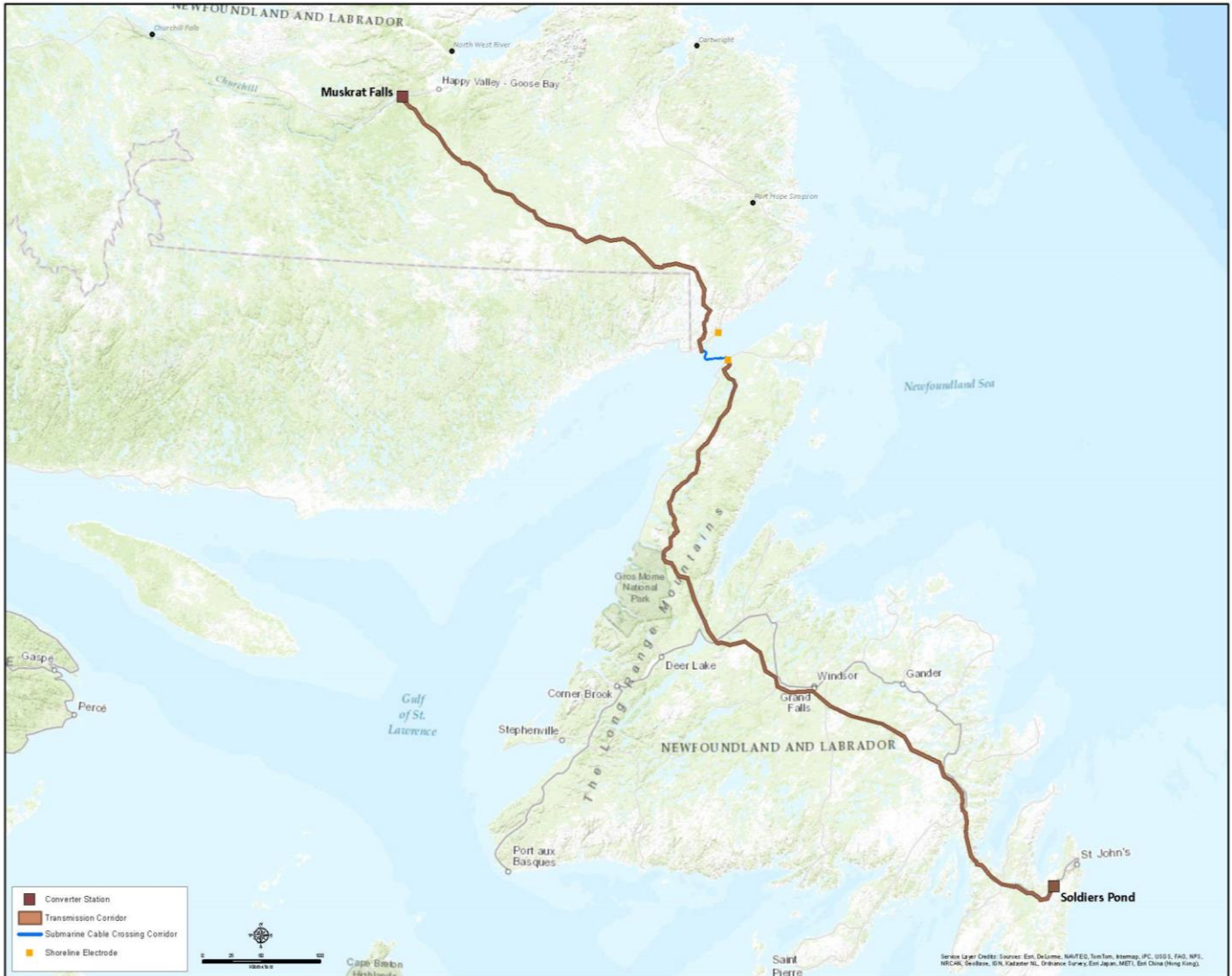


Figure 5-3 Labrador-Island Transmission Link

6.0 WILDLIFE SIGHTINGS AND INTERACTIONS

6.1 Moose

6.1.1 Lower Churchill Hydroelectric Generation Project

There were 15 moose sightings for the Lower Churchill Hydroelectric Generation Project in 2019.

Table 6-1 Moose Sightings and Interactions for the Lower Churchill Hydroelectric Generation Project in 2019

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
05/10/2019	Generation Site	KM 1 SSAR	n/a	n/a	n/a	No additional actions required	n/a
05/12/2019	Generation Site	KM 20 SSAR	n/a	n/a	n/a	No additional actions required	n/a
05/13/2019	Generation Site	KM 20 SSAR	n/a	n/a	n/a	No additional actions required	n/a
05/14/2019	Generation Site	KM 17 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/08/2019	Generation Site	KM 19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/11/2019	Generation Site	KM 19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/15/2019	Generation Site	KM 19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/26/2019	Generation Site	5 km from Admin Building	n/a	n/a	n/a	No additional actions required	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
06/28/2019	Generation Site	Main Camp	n/a	n/a	n/a	No additional actions required	n/a
07/05/2019	Generation Site	Main Camp	n/a	n/a	n/a	No additional actions required	n/a
07/08/2019	Generation Site	KM 10 MF Site Access Rd.	n/a	n/a	n/a	No additional actions required	n/a
07/08/2019	Generation Site	KM 20 SSAR	n/a	n/a	n/a	No additional actions required	n/a
08/22/2019	Generation Site	KM 20 SSAR SH0018	n/a	n/a	n/a	No additional actions required	n/a
09/20/2019	Generation Site	KM 14+700 SSAR	n/a	n/a	n/a	No additional actions required	n/a
11/13/2019	Generation Site	North Spur	n/a	n/a	n/a	No additional actions required	n/a

6.1.2 Labrador-Island Transmission Link

There were 7 moose sightings reported for the Labrador-Island Transmission Link in 2019.

Table 6-2 Moose Sightings and Interactions for the Labrador-Island Transmission Line in 2019

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
07/2/2019	n/a	TL510 5 km S of Travis Pit River	n/a	n/a	n/a	No additional actions required	n/a
9/5/2019	Soldiers Pond Terminal Station	West fence of AC switchyard	n/a	n/a	n/a	No additional actions required	n/a
10/4/2019	Soldiers Pond Terminal Station	access road to Site Soldiers Pond	n/a	n/a	n/a	No additional actions required	n/a
10/10/2019	Soldiers Pond Terminal Station	access road to Site Soldiers Pond	Two cows	n/a	n/a	No additional actions required	n/a
10/10/2019	Soldiers Pond Terminal Station	access road to Site Soldiers Pond	Bull moose	n/a	n/a	No additional actions required	n/a
10/11/2019	Soldiers Pond Terminal Station	south of Converter building	n/a	n/a	n/a	No additional actions required	n/a
10/22/2019	n/a	Nalcor trailers	n/a	n/a	n/a	No additional actions required	n/a

6.2 Black Bear

6.2.1 Lower Churchill Hydroelectric Generation Project

There were 74 black bear sightings for the Lower Churchill Hydroelectric Generation Project in 2019.

Table 6-3 Black Bear Sightings and Interactions for the Lower Churchill Hydroelectric Generation Project in 2019

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
04/24/2019	Generation Site	KM 13-19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
05/14/2019	Generation Site	KM 20 SSAR	n/a	n/a	n/a	No additional actions required	n/a
05/18/2019	Generation Site	KM 19+500	n/a	n/a	n/a	No additional actions required	n/a
05/20/2019	Generation Site	Labrador Marshalling Yard	n/a	n/a	n/a	No additional actions required	n/a
05/24/2019	Generation Site	KM 19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
05/24/2019	Generation Site	KM 18+600	Two bears sighted	n/a	n/a	No additional actions required	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
05/30/2019	Generation Site	KM 18 SSAR	Two bears sighted	n/a	n/a	No additional actions required	n/a
05/30/2019	Generation Site	KM 13 SSAR	n/a	n/a	n/a	No additional actions required	n/a
05/31/2019	Generation Site	KM 20 SSAR	Two bears sighted	n/a	n/a	No additional actions required	n/a
06/08/2019	Generation Site	KM 19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/10/2019	Generation Site	KM 19	n/a	n/a	n/a	No additional actions required	n/a
06/11/2019	Generation Site	Km 19	n/a	n/a	n/a	No additional actions required	n/a
06/15/2019	Generation Site	McKenzie River bridge	Bear and cub sighted	n/a	n/a	No additional actions required	n/a
06/17/2019	Generation Site	KM 14	n/a	n/a	n/a	No additional actions required	n/a
06/17/2019	Generation Site	Camp	n/a	n/a	n/a	No additional actions required	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
06/17/2019	Generation Site	Camp (IF)	n/a	n/a	n/a	No additional actions required	n/a
06/18/2019	Generation Site	LD-12	n/a	n/a	n/a	No additional actions required	n/a
06/18/2019	Generation Site	KM 13 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/19/2019	Generation Site	Southeast side of Switchyard	n/a	n/a	n/a	No additional actions required	n/a
06/21/2019	Generation Site	LD-12	n/a	n/a	n/a	No additional actions required	n/a
06/26/2019	Generation Site	Camp	n/a	n/a	n/a	No additional actions required	n/a
06/26/2019	Generation Site	KM 14+700 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/27/2019	Generation Site	KM 14+200 SSAR	n/a	n/a	n/a	No additional actions required	n/a
06/27/2019	Generation Site	KM 18+200 SSAR	n/a	n/a	n/a	No additional actions required	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
06/30/2019	Generation Site	KM 19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
07/01/2019	Generation Site	Company Laydown	n/a	n/a	n/a	No additional actions required	n/a
07/01/2019	Generation Site	LD-12	n/a	n/a	n/a	No additional actions required	n/a
07/01/2019	Generation Site	C1 Laydown	n/a	n/a	n/a	No additional actions required	n/a
07/02/2019	Generation Site	Company Laydown	n/a	n/a	n/a	No additional actions required	n/a
07/02/2019	Generation Site	SSAR KM 20 (Road in front of admin bldg)	n/a	n/a	n/a	No additional actions required	n/a
07/02/2019	Generation Site	Administration Building	n/a	n/a	n/a	No additional actions required	n/a
07/06/2019	Generation Site	Camp	n/a	n/a	n/a	No additional actions required	n/a
07/07/2019	Generation Site	Camp	Two bears sighted	n/a	Live Trapped	DNR Removed trapped bear	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
07/08/2019	Generation Site	Camp	n/a	n/a	n/a	No additional actions required	n/a
07/08/2019	Generation Site	KM 20 SSAR	n/a	n/a	n/a	No additional actions required	n/a
07/16/2019	Generation Site	Camp (IF)	n/a	n/a	Bear Dispatched by Wildlife Officials	No additional actions required	n/a
07/24/2019	Generation Site	LD-4	n/a	n/a	n/a	No additional actions required	n/a
07/25/2019	Generation Site	KM 20+600 SSAR	n/a	n/a	n/a	No additional actions required	n/a
07/27/2019	Generation Site	Camp	n/a	n/a	n/a	No additional actions required	n/a
07/30/2019	Generation Site	Water Treatment Plant	n/a	n/a	n/a	No additional actions required	n/a
07/31/2019	Generation Site	Camp	n/a	n/a	n/a	No additional actions required	n/a
08/02/2019	Generation Site	Camp	n/a	n/a	n/a	No additional actions required	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
08/03/2019	Generation Site	KM 17 SSAR	n/a	n/a	n/a	No additional actions required	n/a
08/07/2019	Generation Site	Mid pool; Company Laydown	n/a	n/a	n/a	No additional actions required	n/a
08/08/2019	Generation Site	KM 20+500 SSAR	n/a	n/a	n/a	No additional actions required	n/a
08/08/2019	Generation Site	Administration Building	n/a	n/a	n/a	No additional actions required	n/a
08/14/2019	Generation Site	Camp	n/a	n/a	n/a	Live trap set	n/a
08/14/2019	Generation Site	Switchyard Laydown	n/a	n/a	n/a	No additional actions required	n/a
08/15/2019	Generation Site	Laydown K	n/a	n/a	n/a	No additional actions required	n/a
08/24/2019	Generation Site	Company Laydown	n/a	n/a	n/a	No additional actions required	n/a
08/26/2019	Generation Site	GD11 Road / KM 20 SSAR	n/a	n/a	n/a	No additional actions required	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
08/27/2019	Generation Site	KM 19 SSAR	n/a	n/a	n/a	No additional actions required	n/a
08/29/2019	Generation Site	GD11 Road / Km 20 SSAR	n/a	n/a	n/a	No additional actions required	n/a
9/13/2019	Generation Site	Mckenzie River Bridge	n/a	n/a	n/a	No additional actions required	n/a
9/14/2019	Generation Site	Laydown E2	n/a	n/a	n/a	No additional actions required	n/a
9/14/2019	Generation Site	Camp (OF)	n/a	n/a	n/a	No additional actions required	n/a
9/18/2019	Generation Site	1 km West of Site Access Security Gate	n/a	n/a	n/a	No additional actions required	n/a
9/21/2019	Generation Site	Company Laydown	n/a	n/a	n/a	Bear Bangers	n/a
9/22/2019	Generation Site	KM 13+400 SSAR	n/a	n/a	n/a	No additional actions required	n/a
9/23/2019	Generation Site	Company Laydown	n/a	n/a	n/a	Live Trap set	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
9/23/2019	Generation Site	Camp (OF)	n/a	n/a	n/a	No additional actions required	n/a
9/27/2019	Generation Site	Gates	n/a	n/a	n/a	No additional actions required	n/a
9/29/2019	Generation Site	Mckenzie River Bridge	n/a	n/a	n/a	No additional actions required	n/a
9/30/2019	Generation Site	KM 17 + 300 SSAR	n/a	n/a	n/a	No additional actions required	n/a
9/30/2019	Generation Site	MF Access Rd KM15	n/a	n/a	n/a	No additional actions required	n/a
10/1/2019	Generation Site	Camp (OF)	n/a	n/a	n/a	No additional actions required	n/a
10/1/2019	Generation Site	KM 18 SSAR	n/a	n/a	n/a	No additional actions required	n/a
10/2/2019	Generation Site	Camp (OF)	n/a	n/a	n/a	No additional actions required	n/a
10/3/2019	Generation Site	Company Laydown	n/a	Live Trapped	Wildlife removed bear	No additional actions required	n/a

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
10/4/2019	Generation Site	MFA-L3501/2	n/a	Made loud noises until bear moved on.	n/a	No additional actions required	n/a
10/9/2019	Generation Site	Company Laydown	n/a	n/a	n/a	No additional actions required	n/a
10/11/2019	Generation Site	CH0052-005 Pinus Berm Deflector in grassy area near work area	n/a	n/a	n/a	No additional actions required	n/a
10/12/2019	Generation Site	Camp (OF)	n/a	n/a	n/a	No additional actions required	n/a
10/14/2019	Generation Site	Camp (OF)	n/a	n/a	n/a	No additional actions required	n/a

6.2.2 Labrador-Island Transmission Link

There was 1 black bear sighting reported for the Labrador-Island Transmission Line in 2019.

Table 6-4 Black Bear Sightings and Interactions for the Labrador-Island Transmission Line in 2019

Date	Project Component	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
07/02/2019	Transmission Site	St. Paul's Rd	Bear cub	n/a	n/a	No additional actions required	n/a

6.3 Furbearers

6.3.1 Lower Churchill Hydroelectric Generation Project

There were 67 furbearer sightings for the Lower Churchill Hydroelectric Generation Project in 2019.

Table 6-5 Furbearer Sightings and Interactions for the Lower Churchill Hydroelectric Generation Project in 2019

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
01/30/2019	Generation Site	Red Fox	Accommodations Complex	n/a	n/a	No additional actions required	n/a
2/2/2019	Generation Site	Wolf	Labrador Marshalling Yard	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
2/7/2019	Generation Site	Wolves (2)	KM 16 SSAR	n/a	n/a	No additional actions required	n/a
2/14/2019	Generation Site	Fox	Spillway Bridge to Area J	n/a	n/a	No additional actions required	n/a
2/17/2019	Generation Site	Red Fox	Accommodations Complex	n/a	n/a	Requested Live Trap	n/a
2/20/2019	Generation Site	Red Fox	Laydown G Extension	n/a	n/a	No additional actions required	n/a
2/20/2019	Generation Site	Red Fox	Accommodations Complex	Live Trapped	n/a	Removed Trapped Fox	n/a
2/21/2019	Generation Site	Red Fox	Accommodations Complex	n/a	n/a	No additional actions required	n/a
2/24/2019	Generation Site	Red Fox	Laydown G Extension	n/a	n/a	No additional actions required	n/a
2/24/2019	Generation Site	Red Fox	Accommodations Complex	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
2/25/2019	Generation Site	Red Fox	Accommodations Complex	n/a	n/a	No additional actions required	n/a
3/5/2019	Generation Site	Red Fox	Company Laydown LCP HSE trailer complex	n/a	n/a	No additional actions required	n/a
3/12/2019	Generation Site	Red Fox	Accommodations Complex	n/a	n/a	No additional actions required	n/a
3/26/2019	Generation Site	Red Fox	Andritz waste management area by LCP admin	n/a	n/a	No additional actions required	n/a
4/22/2019	Generation Site	Wolf	KM 6 SSAR	n/a	n/a	No additional actions required	n/a
4/30/2019	Generation Site	Fox	Intake/Spillway Deck	n/a	n/a	No additional actions required	n/a
5/28/2019	Generation Site	Red Fox	Laydown E-2	n/a	n/a	No additional actions required	n/a
5/29/2019	Generation Site	Red Fox	KM 15 SSAR	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
6/26/2019	Generation Site	Red Fox	Camp	n/a	n/a	No additional actions required	n/a
7/7/2019	Generation Site	Red Fox	LD-5	n/a	n/a	No additional actions required	n/a
7/8/2019	Generation Site	Fox	KM 2 MF Site Access Rd	n/a	n/a	No additional actions required	n/a
7/24/2019	Generation Site	Fox	Power Supply Trailers	n/a	n/a	No additional actions required	n/a
7/31/2019	Generation Site	Fox	CRT Laydown	n/a	n/a	No additional actions required	n/a
7/31/2019	Generation Site	Red Fox	Laydown E-2	n/a	n/a	No additional actions required	n/a
8/22/2019	Generation Site	Rabbit	KM 12 + 200 SSAR	n/a	n/a	No additional actions required	n/a
8/22/2019	Generation Site	Red Fox	C1 Bypass road	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
8/28/2019	Generation Site	Little Brown Myotis (Bats - 13)	North Dam Gallery	n/a	n/a	No additional actions required	Consulted Wildlife on how to address
9/15/2019	Generation Site	Little Brown Myotis (Bats - 1)	North Dam Gallery	n/a	n/a	No additional actions required	n/a
9/22/2019	Generation Site	Red Fox	Company Laydown	n/a	n/a	Live Trapped (1)	n/a
10/1/2019	Generation Site	Red Fox	MF Terminal Stn, KM 15 Access Road	n/a	n/a	No additional actions required	n/a
10/4/2019	Generation Site	Seal	MF Tailrace	n/a	n/a	No additional actions required	n/a
10/9/2019	Generation Site	Wolves (7)	KM 11+400 SSAR	n/a	n/a	No additional actions required	n/a
10/25/2019	Generation Site	Fox	South Service Bay (Andritz Offices)	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
10/26/2019	Generation Site	Red Fox	South Service Bay (Andritz Offices)	n/a	n/a	No additional actions required	n/a
10/27/2019	Generation Site	Red Fox	Laydown LD-9	n/a	n/a	No additional actions required	n/a
11/1/2019	Generation Site	Silver Fox	MF Terminal Station	n/a	n/a	No additional actions required	n/a
11/5/2019	Generation Site	Silver Fox	Laydown E-2	n/a	n/a	No additional actions required	n/a
11/5/2019	Generation Site	Red Fox	Stockpile A	n/a	n/a	No additional actions required	n/a
11/8/2019	Generation Site	Silver Fox	Laydown LD-12	n/a	n/a	No additional actions required	n/a
11/9/2019	Generation Site	Silver and Red Fox (2)	Laydown E-2	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
11/10/2019	Generation Site	Silver and Red Fox (2)	Laydown E-2	n/a	n/a	No additional actions required	n/a
11/10/2019	Generation Site	Red Fox	n/a	n/a	n/a	No additional actions required	n/a
11/12/2019	Generation Site	Red Fox and Silver Fox	Laydown E-2	n/a	Live Trap set	No additional actions required	n/a
11/13/2019	Generation Site	Red Fox (2)	Laydown E-2	n/a	Live Trap set	No additional actions required	n/a
11/14/2019	Generation Site	Silver Fox	Laydown E-2	n/a	Live Trapped (1)	Removed Trapped fox	
11/15/2019	Generation Site	Red Fox	Laydown J	n/a	n/a	No additional actions required	n/a
11/15/2019	Generation Site	Silver Fox	KM 21 SSAR	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
11/15/2019	Generation Site	Silver Fox	Laydown E-2	n/a	n/a	No additional actions required	n/a
11/17/2019	Generation Site	Red Fox	Laydown J	n/a	n/a	No additional actions required	n/a
11/17/2019	Generation Site	Red Fox	Laydown J	n/a	Live Trapped (1)	No additional actions required	n/a
11/18/2019	Generation Site	Red Fox	Laydown J	n/a	n/a	No additional actions required	n/a
11/19/2019	Generation Site	Red Fox	KM 9+700 SSAR	n/a	n/a	No additional actions required	n/a
11/19/2019	Generation Site	Red Fox	Laydown J	n/a	Live Trap Set	No additional actions required	n/a
11/19/2019	Generation Site	Red Fox	Company Laydown	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
11/21/2019	Generation Site	Red Fox	LD-9	n/a	n/a	No additional actions required	n/a
11/29/2019	Generation Site	Red Fox	C1 Bypass road	n/a	n/a	No additional actions required	n/a
11/30/2019	Generation Site	Seal	Tailrace	n/a	n/a	No additional actions required	n/a
12/1/2019	Generation Site	Fox	MFATS2 Office Trailer	n/a	n/a	Safety Moment talk regarding not feeding wildlife	n/a
12/2/2019	Generation Site	Red Fox	KM 17 SSAR +400 SSAR	n/a	n/a	No additional actions required	n/a
12/3/2019	Generation Site	Red Fox (2)	Laydown D-1	n/a	n/a	No additional actions required	n/a
12/4/2019	Generation Site	Red Fox (2)	Laydown D-1	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
12/5/2019	Generation Site	Red Fox	KM 6 +800 SSAR	n/a	n/a	No additional actions required	n/a
12/5/2019	Generation Site	Red Fox	KM 9 +100 SSAR	n/a	n/a	No additional actions required	n/a
12/8/2019	Generation Site	Red Fox	KM 18 + 300 SSAR	n/a	n/a	No additional actions required	n/a
12/9/2019	Generation Site	Fox	MFATS2 Office Trailer	n/a	n/a	No additional actions required	n/a
12/10/2019	Generation Site	Red Fox (4)	Laydown E-2	n/a	n/a	No additional actions required	n/a
12/28/2019	Generation Site	Red Fox	Camp	n/a	n/a	No additional actions required	n/a

6.3.2 Labrador-Island Transmission Link

There were 2 furbearer sightings reported for the Labrador-Island Transmission Line in 2019.

Table 6-6 Furbearer Sightings and Interactions for the Labrador-Island Transmission Line in 2019

Date	Project Component	Wildlife Observed	Location	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
9/9/2019	Soldiers Pond Terminal Station	Lynx	Security Gate - Soldiers Pond	n/a	n/a	No additional actions required	n/a
10/27/2019	Soldiers Pond Terminal Station	Red Fox	Converter Building	n/a	n/a	No additional actions required	n/a

6.4 Caribou

6.4.1 Lower Churchill Hydroelectric Generation Project

There were no caribou sightings for the Lower Churchill Hydroelectric Generation Project in 2019.

6.4.2 Labrador-Island Transmission Link

There were no caribou sightings for the LITL in 2019.

6.5 Birds

6.5.1 Lower Churchill Hydroelectric Generation Project

There were 7 bird sightings reported for the Lower Churchill Hydroelectric Generation Project in 2019.

Table 6-7 Bird Sightings and Interactions for the Lower Churchill Hydroelectric Generation Project in 2019

Date	Project Component	Wildlife Observed	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
5/30/2019	Generation Site	Osprey	Laydown C4	n/a	n/a	No additional actions required	n/a	n/a
6/23/2019	Generation Site	Osprey	KM 20 SSAR	n/a	n/a	No additional actions required	n/a	n/a
6/24/2019	Generation Site	Osprey	KM 16 SSAR	n/a	n/a	No additional actions required	n/a	n/a
7/26/2019	Generation Site	Geese (20)	Temporary Log Boom	n/a	n/a	No additional actions required	n/a	n/a
8/28/2019	Generation Site	Red Tailed Hawk	C5 Laydown	n/a	n/a	No additional actions required	n/a	n/a

Date	Project Component	Wildlife Observed	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
9/10/2019	Generation Site	Osprey	Mckenzie River Bridge	n/a	n/a	No additional actions required	n/a	n/a
9/21/2019	Generation Site	Osprey	KM 18 SSAR	n/a	n/a	No additional actions required	n/a	n/a

6.5.2 Labrador-Island Transmission Link

There were 8 bird sighting reported along the LITL in 2019.

Table 6-8 Bird Sightings and Interactions for the Labrador-Island Transmission Line in 2019

Date	Project Component	Wildlife Observed	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
07/02/2019	Soldiers Pond	Unknown bird	Office Room Synchronous Condenser Building	n/a	n/a	n/a	No additional actions required	Deceased
10/3/2019	Soldiers Pond	Storm petrels	n/a	3 live, 2 deceased	n/a	n/a	No additional actions required	n/a

Date	Project Component	Wildlife Observed	Location	Species Details	Interaction Details	Interaction Consequence	Additional actions undertaken	Notes
10/29/2019	Soldiers Pond	Storm Petrel (1) alive	Behind GE grid trailers	n/a	n/a	n/a	No additional actions required	n/a
10/30/2019	Soldiers Pond	Storm Petrel (2) alive	Security Gate - Soldiers Pond	n/a	n/a	n/a	No additional actions required	n/a
10/30/2019	Soldiers Pond	Storm petrel (1) alive	Security Gate - Soldiers Pond	n/a	n/a	n/a	No additional actions required	n/a
10/30/2019	Soldiers Pond	Storm petrel (3) deceased	Security Gate - Soldiers Pond	n/a	n/a	n/a	No additional actions required	n/a
10/30/2019	Soldiers Pond	Storm petrel (3) deceased	Behind LCP trailers	n/a	n/a	n/a	No additional actions required	n/a
10/31/2019	Soldiers Pond	Storm petrel (2) alive	Synchronous Condenser building	n/a	n/a	n/a	No additional actions required	n/a

6.6 Fish and Amphibians

6.6.1 Lower Churchill Hydroelectric Generation Project

There were no fish or amphibian sightings for the Lower Churchill Hydroelectric Generation Project in 2019.

6.6.2 Labrador-Island Transmission Link

There no fish or amphibian sightings along the LITL in 2019.