

Document Front Sheet



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1	1.3.2/5/7/7	Remove the first "of" in the sentence: "The Avalon Peninsula region of consists of the Avalon Forest..."		Open
2	Table 3.5/17/17	The Table should be renamed to say "Number of Individual Caribou Observed and Associated ELC Habitat Unit 2011-2012"		Open
3	Table 3.6 – Survey IV Mid-Fall/18/18	The last sentence in "Comments" for Survey IV Mid-Fall should read "Seldom encountered in areas of higher elevation."		Open



**DOCUMENT REVIEW
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Labrador – Island Transmission Link

2011-2012 Wildlife Reconnaissance Surveys

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Project # 121510805

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EXECUTIVE SUMMARY

Nalcor Energy (Nalcor) is proposing to develop the *Labrador – Island Transmission Link* (the Project), a High Voltage Direct Current (HVdc) transmission system extending from the lower Churchill River in Central Labrador to Soldiers Pond on the Island of Newfoundland's Avalon Peninsula, approximately 1,100 km in length. This baseline study was completed to provide information on wildlife and existing static features in the area of, and which may interact with, the proposed Project.

The specific objectives of this study were to:

- a) document existing environmental conditions in the vicinity of the Project, specifically observations and locations of wildlife species and existing static features in the Study Area, with emphasis on species of conservation status; and
- b) support the Environmental Protection Plan (EPP) that would oversee implementation of mitigation measures during the Project.

Given the large geographic scale of the Project, the Study Area was divided into four geographic regions: Central and Southeastern Labrador, Northern Peninsula, Central and Eastern Newfoundland, and Avalon Peninsula.

Between June 2011 and May 2012, five aerial surveys, each 1 or more days in duration and covering five important biological periods for species of interest, were completed in the 2 km wide by 1,100 km long Study Area. Approximately 1,900 observations were recorded of wildlife (mobile) and fixed (static) features. Maps were produced to indicate the distribution and relative abundance of these observations within each of four geographic regions, and to allow an assessment of seasonal changes in distribution and abundance.

Species protected under the federal *Species at Risk Act* (SARA) and the *Newfoundland and Labrador Endangered Species Act (NL ESA)* confirmed in the Study Area were Harlequin Duck and Short-eared Owl (both listed as Vulnerable under *NL ESA* and Special Concern under SARA), and Woodland Caribou (Labrador herds listed as Threatened under *NL ESA* and SARA). Harlequin Duck were observed on the upper reaches of the East River (one duckling) and on the Torrent River (adult pair), both on the Northern Peninsula. A single Short-eared Owl was observed flying over a wetland complex south of Catamaran Park in the Central and Eastern Newfoundland region, and two observations of caribou (four animals) were recorded east of the St. Augustine River, in Central and Southeastern Labrador.

Habitats with special protection and/or potentially biologically important areas were also identified. Provincial legislation protects a known red pine stand in the West Brook Ecological Reserve, and potentially important waterfowl habitats were identified in Central and Southeastern Labrador on the St. Paul's River System, and on the Northern Peninsula, including Brien's River, River of Ponds, and headwaters of the East River. In addition, 47 nests of Osprey, Bald Eagle and possibly other raptors were recorded.

Additional wildlife observations in the Study Area were as expected giving the survey methodology (aerial surveys) and timing. Mammal observations included moose, caribou, beaver, hare, porcupine, fox, and coyote. Avifauna observations included several species of waterfowl (Canada Goose, Common and Red-breasted Merganser, Ring-necked Duck, American Black Duck, Black Duck / Mallard hybrids, Common Goldeneye, Green-winged Teal, Scoter, Scaup, Common Loon, and Harlequin Duck), raptors (Osprey, Bald Eagle, Red-tailed Hawk, Rough-legged Hawk, Great-horned Owl, Northern Goshawk, Northern Harrier, and Short-eared Owl), and other

species (American Crow, Common Raven, Spruce Grouse, Tree Swallow, Herring Gull, Greater Black-backed Gull, Greater Yellowlegs, Belted Kingfisher, Northern Waterthrush, Common Snipe, Gray Jay, and unconfirmed species of ptarmigan, passerines, shorebirds, tern, and gulls).

Static features recorded in the Study Area were dominated by the presence of beaver lodges and/or dams, and approximately 45% of those recorded had signs of current activity. Cabins were common in most regions of the Study Area, and quarries and/or associated activities were particularly common in Central and Southeastern Labrador in proximity to the recently completed Phase III Trans-Labrador Highway.

The information collected can be used in the design of the EPP during the construction and operation phases of the Project. Detailed results have been presented in the form of a map folio and / or individual regional maps for key species of interest are applicable for both temporal and spatial mitigation considerations.

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1.0 INTRODUCTION

Nalcor Energy (Nalcor) is proposing to develop the *Labrador – Island Transmission Link* (the Project), a High Voltage Direct Current (HVdc) transmission system extending from the lower Churchill River in Central Labrador to Soldiers Pond on the Island of Newfoundland's Avalon Peninsula. This baseline study was completed to provide information on wildlife and existing static features in the area of, and which may interact with, the proposed Project.

1.1 Overview of the Labrador-Island Transmission Link

The proposed Project involves the construction and operation of transmission infrastructure within and between Labrador and the Island of Newfoundland. The proposed transmission line will extend over a distance of approximately 1,100 km, and includes the following key components:

- an alternating current to direct current (ac to dc) converter station at Muskrat Falls near the lower Churchill River in Central Labrador;
- an overhead transmission line from Muskrat Falls to the Strait of Belle Isle (approximately 400 km);
- marine cable crossings of the Strait of Belle Isle with associated infrastructure;
- an overhead transmission line from the Strait of Belle Isle to Soldiers Pond on the Island's Avalon Peninsula (approximately 700 km);
- a dc to ac converter station at Soldiers Pond, with some associated Island system upgrades; and
- electrodes, or high capacity grounding systems, in the Strait of Belle Isle (Labrador) and Conception Bay (Newfoundland), connected to their respective converter station by a small overhead transmission line.

A series of component studies were completed as a requirement of the environment assessment (EA) of the Project to identify existing environmental conditions in the vicinity of the Project, specifically along a 2 km wide corridor for the on-land portions of the proposed HVdc transmission line, and a 500 m wide corridor for the proposed Strait of Belle Isle cable crossings. This document reports the observations and locations of wildlife species and existing static features collected during a series of aerial surveys along the 2 km wide corridor from Muskrat Falls to Soldiers Pond, between 2011 and 2012.

1.2 Purpose and Study Objectives

The purpose of this baseline study is to provide information on wildlife and existing static features in the area of the Project. The approach for this study is based on methods used for similar transmission line projects in Eastern Canada. A series of seasonal aerial and ground-based surveys were carried out, designed to coincide with specific life history stages (e.g., migration, calving). Information gathered from these surveys support existing information presented in the component studies submitted under the EA process in 2011 and 2012, including:

1. *Caribou and Their Predators Component Study* and associated documents (Stantec 2010a; 2011a; 2011b; 2012a);
2. *Furbearers and Small Mammals Component Study* (Stantec 2010b; 2011c); and
3. *Avifauna Component Study* (Stantec 2010c; 2011d; 2012b).

The specific objectives of this study included:

- a) documentation of existing environmental conditions in the vicinity of the Project, specifically observations and locations of wildlife species and existing static features in the Study Area, with emphasis on species of conservation status; and
- b) support for the development of an Environmental Protection Plan (EPP) that would oversee implementation of mitigation measures during the Project.

1.3 Project Setting

This study focuses on the 2 km wide area along the entire length of the Project, and coincides with information compiled from an Ecological Land Classification Study (ELC) conducted in support of the Project (Stantec 2010d; 2001e). The Project intersects two Ecozones and ten Ecoregions within Canada and the province of Newfoundland and Labrador, respectively.

1.3.1 Ecozones and Ecoregions in the Study Area

Ecological land classification in Canada employs a method of describing regional ecological units at a range of scales, in which larger ecological units encompass successively smaller ones. At the top of the hierarchy, Ecozones are defined on the basis of generalized characteristics and global and continental climate. There are 15 Ecozones (Natural Resources Canada 2007) delineated for Canada, with the Project crossing two of these: the Boreal Shield Ecozone and the Taiga Shield Ecozone (Figure 1.1).

1. **Boreal Shield Ecozone:** The Island of Newfoundland and the Churchill River valley and southeast coast of Labrador form the eastern extent of this region. A massive rolling plain of ancient bedrock blanketed with gravel, sand and other glacial deposits, its topography is comprised of broadly rolling uplands that form poorly drained depressions covered by lakes, ponds and wetlands. The climate of the Boreal Shield is continental with long, cold winters, short, warm summers and abundant precipitation. Cool temperatures and a short growing season along with acidic soils challenge plant life in the Ecozone, although most of the area is forested (primarily coniferous species, intermixed with hardwoods), which is mixed with bogs, marshes and other wetlands. Lichens and shrubs are common on areas of exposed bedrock.
2. **Taiga Shield Ecozone:** The interior of southeastern Labrador is within this Ecozone, which consists of the taiga forest and the Canadian Shield, a primarily coniferous forest area located south of the tundra. The terrain is broadly rolling, and the landscape is composed of many lakes and wetlands. The subarctic climate is characterized by short, cool summers and long, cold winters, and precipitation is low to moderate. The open, stunted forests are dominated by species such as black spruce, and are intermixed with numerous bogs and other wetlands, scattered hardwood stands, and rock outcrops dominated by lichens and low shrubs.

These two Ecozones are further divided into a number of Ecoregions. Ecoregions are smaller land units within Ecozones that have distinctive, recurring patterns of vegetation and soil that are determined and controlled by local climate and geology. Ecoregions also differ from each other in their combination of plant communities, landscapes, geology and other features (Marshall and Schutt 1999; PNAD 2008).

There are 19 Ecoregions within the province, nine in Newfoundland (Damman 1983) and 10 in Labrador (Meades 1990). The proposed transmission corridor will pass through 10 of these Ecoregions (Figure 1.1). A description of the Ecoregions and relevant subregions crossed by the transmission corridor and ELC study is presented in Table 1.1. Note, an additional Ecoregion (Mid-Boreal Forest-Paradise River Ecoregion) is included since it marginally intersects with the 15 km wide Study Area of the Ecological Land Classification, but is not intersected by the 2 km wide transmission corridor.

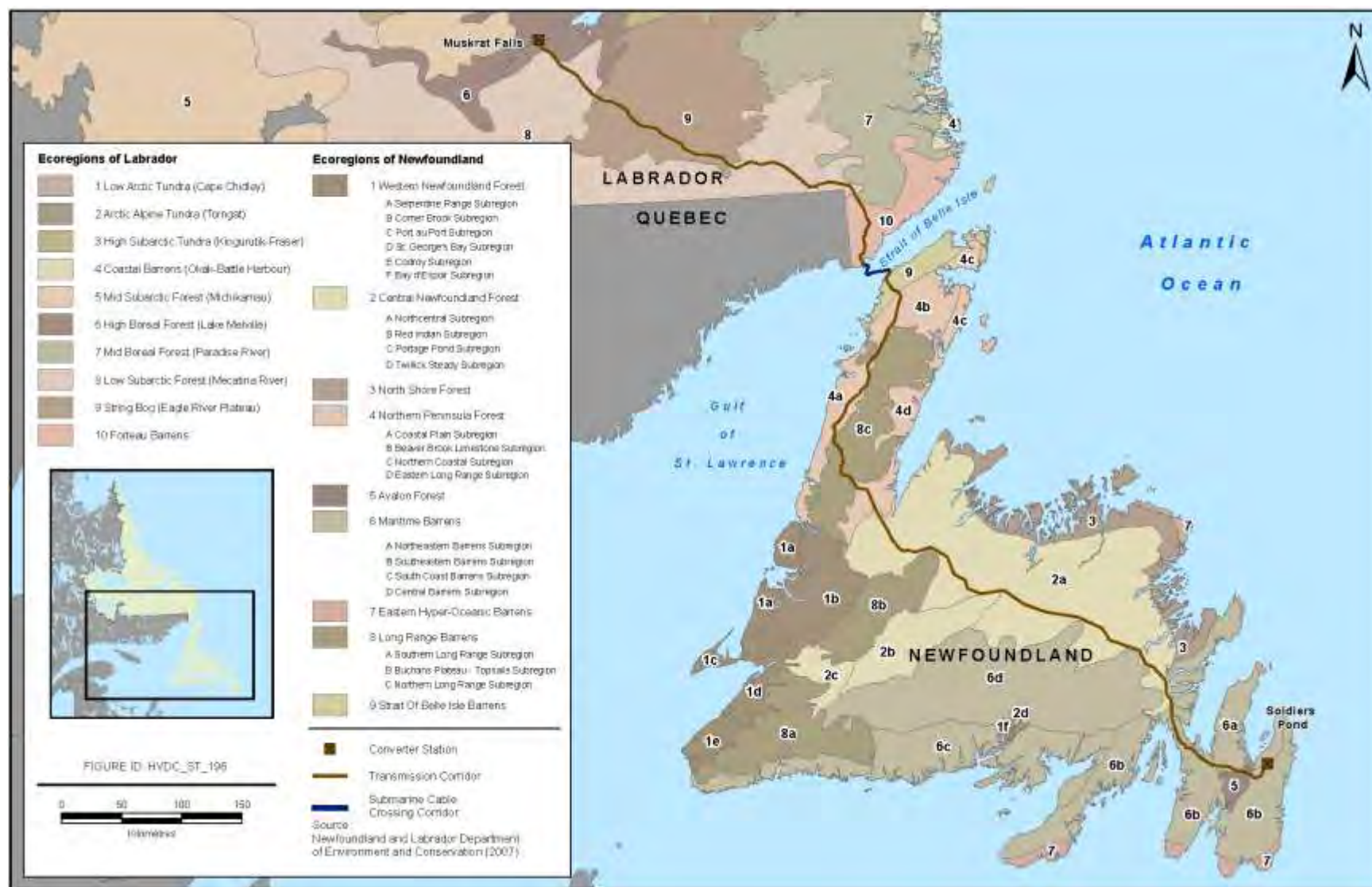
Figure 1.1 Ecoregions Crossed by the Study Area

Table 1.1 Ecoregions and Subregions crossed by the Study Area

Ecoregions and Subregions	
LABRADOR	
High Boreal Forest-Lake Melville Ecoregion (Boreal Shield Ecozone) - encompasses the Churchill River valley and the coastal plain surrounding Lake Melville. River terraces are composed of coarse-textured, alluvial soils and uplands have shallow, well-drained soils. This region has the most favorable climate in Labrador. Summers are cool and winters cold. The forests are closed-canopied and highly productive. Richer slopes are dominated by balsam fir, white birch and trembling aspen. Black spruce is present in most stands, but only dominates in upland areas and lichen woodlands, which occupy river terraces. Ribbed fens occur in upland depressions; plateau bogs occur on coastal plains.	
Mid Boreal Forest-Paradise River Ecoregion (Boreal Shield Ecozone) – encompasses coastal areas of Southeastern Labrador, from the area surrounding Sandwich Bay and south where it meets the Forteau Barrens Ecoregion. Undulating bedrock with many rock outcrops and fairly productive, closed-crown forests characterize this Ecoregion. The climate is considered boreal and is moister and cooler than the Lake Melville area. Summers are cool to warm and winters are short and cold. Black spruce and balsam fir are dominant tree species; hardwoods are also commonly encountered. Raised bogs are characteristic of valleys in the area.	
Low Subarctic Forest-Mecatina River Ecoregion (Taiga Shield Ecozone) - the main portion of this Ecoregion is located in southern Labrador, with two separate areas to the north of Lake Melville and the Red Wine Mountains. Broad river valleys and rolling hills covered by shallow till, drumlins and eskers are characteristic of the region. Summers are cool and winters are long. Somewhat open black spruce forests are the dominant vegetation. String bog-ribbed fen complexes cover extensive areas throughout the region.	
String Bog – Eagle River Plateau Ecoregion (Taiga Shield Ecozone) - includes the Eagle River Plateau that comprises most of this Ecoregion. This upland plateau is composed of extensive string bogs with numerous open pools surrounded by fen vegetation. Bog hummocks are dominated by scrub spruce, Labrador tea and feathermoss. The peatland expanses are occasionally interrupted by only a few conspicuous eskers, which support open, lichen woodland. Alder thickets are common along river banks.	
Forteau Barrens Ecoregion (Boreal Shield Ecozone) - located at the southeastern tip of Labrador, adjacent to the Strait of Belle Isle. Low hills are covered with scrub spruce, crowberry barren and slope bogs. Strong winds and frequent storms occur because of the proximity to the Strait of Belle Isle. Tree growth is limited by a combination of wind, wet soils and a history of repeated burns. Black spruce and larch can reach 10 to 12 m only along rivers, where soils are better drained.	
ISLAND OF NEWFOUNDLAND	
Strait of Belle Isle Barrens Ecoregion – dominated by almost treeless tundra vegetation. White spruce and balsam fir occurs as krummholz, interspersed with Arctic-alpine plants even near sea level. The soils are generally very shallow and outcrops of calcareous bedrock are common throughout. Large stone polygons created by freeze-thaw cycles are common on shallow-exposed mineral soil. Rare and endangered species of calciphilic plants are numerous in these rock barrens.	
Northern Peninsula Forest Ecoregion - differs from most other forested parts of the Island by the shortness of the vegetation season. The frost-free period is similar to other areas and somewhat longer than central Newfoundland. Soils are comparable to those of western Newfoundland, with limestone underlying most of the region. Acidic rock is more common on the eastern side of the peninsula. Balsam fir is the dominant tree in the forest stands, except at high elevations on the eastern side of the peninsula, where it is replaced by black spruce. Limestone barrens are common along the west coast, with dwarf shrub and crowberry barrens on the east coast. Plateau bogs cover extensive areas of the coastal lowlands.	
<ul style="list-style-type: none"> ▪ <i>Coastal Plain Subregion</i> - includes the western side of the Northern Peninsula to the lower slopes of the Long Range Mountains. Most of the coastal plain is dominated by bogs and scrub forest. The area around Hawkes Bay and the foothills of the mountains are important exceptions to this generalization. ▪ <i>Beaver Brook Limestone Subregion</i> - occupies the central lowlands north of the Highlands of St. John on the Northern Peninsula. This sheltered outlier maintains the most productive forests in the Ecoregion. Limestone, shale and 	

Ecoregions and Subregions
<p>sandstone bedrock types occur in this area. The till is formed from sandstone on the western side of the peninsula, east and south of Ten Mile Pond. The landscape is undulating to hilly in the extreme west. The <i>Dryopteris</i>-Balsam Fir and <i>Clintonia</i>-Balsam Fir types are most common on moderate to deep tills. The <i>Pleurozium</i>-Balsam Fir and Black Spruce-Feathermoss on bedrock are dominant on shallow tills. Soil textures in these types are generally sandy loam to loamy sand.</p> <ul style="list-style-type: none"> ▪ <i>Eastern Long Range Subregion</i> - includes the productive but inaccessible forest on the eastern slopes of the Long Range Mountains up to 450 m in elevation. The forests tend to be somewhat open balsam fir-black spruce mixtures. The treeline decreases towards the northern end of the subregion.
<p>Long Range Barrens Ecoregion - a discontinuous region of highlands (Southern Long Range, Buchans Plateau-Topsails and Northern Long Range) from the southwest coast to the northern part of the Long Range Mountains. Most of the Ecoregion is characterized by rock barrens, with dwarf shrub heaths, shallow ribbed fens and areas of low, wind-stunted trees.</p> <ul style="list-style-type: none"> ▪ <i>Northern Long Range Subregion</i> - encompasses the mountainous area above the tree line on the Long Range Mountains. Trees occur only as krummholz (i.e., stunted forest), which is usually dominated by eastern larch and black spruce; however, sheltered valleys may contain small patches of forest. The vegetation is primarily alpine barren, dominated by Arctic-alpine plants, or crowberry barren. Shallow ribbed fens and slope bogs often cover extensive areas.
<p>Central Newfoundland Forest Ecoregion - has the most continental climate of any part of insular Newfoundland. It has the highest summer and lowest winter temperatures. Because of warm summers and high evapo-transpiration rate, soils in the northern part of this Ecoregion exhibit actual soil-moisture deficiency. The <i>Hylocomium</i>-Balsam Fir forest type is characteristic of this area. Forest fires have played a more important role in this Ecoregion's natural history than in other regions. Thus, much of the Balsam Fir-Feathermoss forest types have been converted to black spruce, and some of the richer site types are dominated by white birch and aspen. In areas that have been burned repeatedly, dwarf shrub (<i>Kalmia</i>) barrens have replaced forest stands. Raised bogs are the characteristic wetland type.</p> <ul style="list-style-type: none"> ▪ <i>Northcentral Subregion</i> - has higher summer maximum temperatures, lower rainfall and higher fire frequency than anywhere else in Newfoundland. The subregion extends from Clarenville in the east to Deer Lake in the west and for the most part has a rolling topography below 200 m. Pure black spruce forests and aspen stands dominate this area because of the prevalence of fire. The high summer temperatures are also thought to stimulate aspen root suckering and contribute to the local success of aspen (Damman 1983). Relatively low moisture, coarse soils and the prevalence of black spruce cover types make this subregion particularly susceptible to regeneration failure. Furthermore, where tree regeneration is lacking, succession to dwarf shrub heath dominated by <i>Kalmia angustifolia</i> occurs on the nutrient-poor coarse textured till that is prevalent through much of this area. The rolling to undulating topography is characterized by shallow, medium-quality till, with a soil texture range from sandy loam to loam. Midslopes are dominated by the <i>Hylocomium</i>-Balsam Fir type, or Black Spruce-Feathermoss type on seepage gleysols after fire. There are also local areas covered by poor sandy till over glacio-fluvial deposits and outwash deposits along some of the major river systems, such as the Terra Nova, Exploits and Indian Rivers. Succession of productive black spruce forest types to ericaceous heath dominated by <i>Kalmia angustifolia</i> is most prevalent in these land types.
<p>Maritime Barrens Ecoregion - extends from the east to the west coast of Newfoundland along the south-central portion of the Island. This Ecoregion has the coldest summers, with frequent fog and strong winds. Winters are relatively mild, with intermittent snow cover, particularly near the coastline. The landscape pattern usually consists of stunted balsam fir broken by extensive open <i>Kalmia</i> barrens, which developed because of indiscriminate burning by European settlers. Good forest growth is restricted to the long slopes of a few protected valleys. Slope and basin bogs are the most common wetland type.</p> <ul style="list-style-type: none"> ▪ <i>Northeastern Barrens Subregion</i> - this subregion has lower fog frequency and somewhat warmer summers compared to other parts of the Ecoregion. Arctic-alpine species are absent from the heath vegetation and yellow birch is absent from the forest. The landscape is extensively forested with local heath vegetation, particularly along

Ecoregions and Subregions
<p>the coast. The tills are generally a shallow, rolling ground moraine with sandy loam to loam texture. The Hylocomium-Balsam Fir type occupies midslopes, and it is usually associated with gleyed podzols or gleysols.</p> <ul style="list-style-type: none"> ▪ <i>Southeastern Barrens Subregion</i> - has landscape dominated by heathlands, with the forest occurring in small acreages that escaped fire. The dominant heath shrub on uplands is <i>Empetrum nigrum</i>, with <i>Kalmia angustifolia</i> forming a dense cover only in protected valleys. The topography is generally undulating with shallow, heavily compacted till and numerous large erratics. The Clintonia-Balsam Fir type is most common where the forest is still present. Good forest growth only occurs in a few large, protected valleys where the Dryopteris-Balsam Fir type dominates the slopes. Good specimens of yellow birch are also found in these stands. ▪ <i>Central Barrens Subregion</i> - occurs south of the Central Newfoundland Ecoregion and north of the South Coast Barrens Subregion. Residual forests that have not been destroyed by fire have moderate forest capability. The dwarf shrub heaths are robust and <i>Rhododendron canadense</i> is a conspicuous component, suggesting deep snow cover. Arctic-alpine species are poorly represented and yellow birch is absent from the forest.
<p>Avalon Forest Ecoregion - represents a sheltered outlier within the more open and exposed Maritime Barrens Ecoregion. Pure stands of balsam fir with a high mixture of white and yellow birch dominate this region. The Avalon Forest Ecoregion has been spared the ravages of fire that decimated the forests in the surrounding landscape, converting them to open heathland. The very moist climate and ribbed morainal topography give this small (500 km²) Ecoregion its uniqueness. Raised bogs occur between moraines. The excessive frequency of fog is clearly evidenced by the abundance of pendant, arboreal lichens hanging from the branches of balsam fir.</p>
<p>Sources: Meades (1990) for Labrador Ecoregions and Damman (1983) for Newfoundland Ecoregions.</p>

1.3.2 Geographic Regions of the Study Area

Given the extensive geographic scale involved, this study uses a regional approach to describing the presence, abundance and distribution (both spatial and temporal) of wildlife species and existing static structures in the vicinity of the Project. Specifically, the 2 km wide transmission corridor is divided into four geographic regions: Central and Southeastern Labrador, Northern Peninsula, Central and Eastern Newfoundland, and Avalon Peninsula (Figure 1.2).

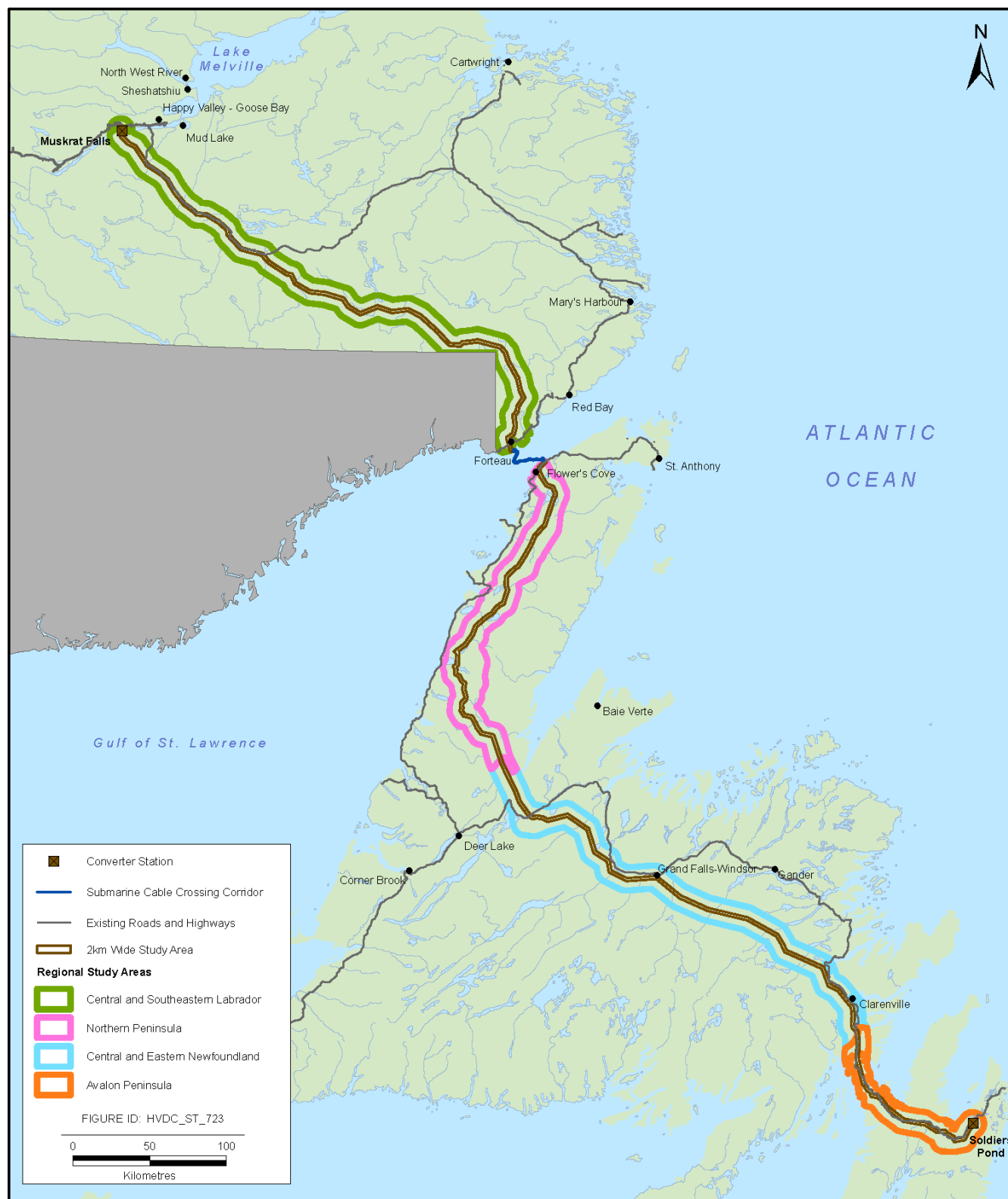
The Central and Southeastern region of the Study Area encompasses the 2 km wide HVdc transmission corridor from Muskrat Falls to the Strait of Belle Isle. Ecoregions in this portion of the Study Area are represented primarily by Low Subarctic Forest (48 percent), Eagle River Plateau (32 percent) and Forteau Barrens (15 percent). The High and Mid Boreal Forest Ecoregions are also present, but make up a relatively small portion (5 percent) of the Study Area in this region.

The Northern Peninsula region of the Study Area encompasses the 2 km wide HVdc transmission corridor from the Strait of Belle Isle southwards to the Deer Lake area. Dominant ecoregions within this region include the Northern Peninsula Forest (50 percent), and the Long Range Barrens (44 percent). The Strait of Belle Isle Barrens constitutes six percent of the Northern Peninsula study region.

The Central and Eastern Newfoundland region of the Study Area encompasses the 2 km wide HVdc transmission corridor between (approximately) Deer Lake and Clarenville. The dominant Ecoregion in this region is the Central Newfoundland Forest (92 percent), with small amounts of the Long Range Barrens (2 percent) and Maritime Barrens (6 percent) Ecoregions.

The Avalon Peninsula region of the Study Area encompasses the 2 km wide HVdc transmission corridor and associated Project components from Clarenville to Soldiers Pond and Conception Bay. The Avalon Peninsula region of consists of the Avalon Forest (13 percent) and Maritime Barrens (87 percent) Ecoregions.

Figure 1.2 Study Area by Region



2.0 APPROACH AND METHODS

Surveys were designed to collect baseline information on a variety of species, over a range of important biological periods. Of particular interest were species of conservation concern, as well as any areas where species tend to concentrate and may be particularly vulnerable to anthropogenic activities.

2.1 Aerial Surveys

Five aerial (helicopter) surveys were completed between June 2011 and May 2012. The surveys were timed to coincide with important biological seasons or periods (Table 2.1). Aircraft height, speed, type and configuration, and participants were selected based on the seasonal priority of these wildlife species, during each survey.

Table 2.1 Survey Dates and Corresponding Biological Seasons or Periods

Survey Period	Survey Dates	Important Biological Season or Period
I – Early Summer	16–19 June 2011	Waterfowl breeding Caribou and Moose Calving period Raptor nesting
II – Mid-summer	20-22 July 2011	Waterfowl breeding Caribou and Moose Post -calving period Raptor nest activity
III – Late Summer	29 August – 1 September 2011	Waterfowl staging Raptor nest success
IV – Mid-fall	24-25 October and 6-7 November 2011 ¹	Caribou and Moose Rutting Beaver activity
V – Spring	14-15 and 30 May 2012 ²	Waterfowl breeding pair nesting

¹Surveys were completed on 24-25 October in Labrador and 6-7 November in Newfoundland.
²Surveys were completed on 14-15 May in Newfoundland and 30 May in Labrador. Survey timing was designed to reflect phenological differences in waterfowl breeding activities within the Study Area.

The field team during surveys consisted of four participants, including the pilot with Universal Helicopters Newfoundland Limited (UHNL) (Appendix A). All participants have extensive aerial wildlife survey experience. Each survey had two components (or legs): the transect south and east from Muskrat Falls to Soldiers Pond, and the return transect north and west from Soldiers Pond back to Muskrat Falls. During the first leg, the survey route followed the centre line of the proposed 2 km wide transmission corridor, maintaining a speed of approximately 120 to 130 km/h and an altitude of approximately 60 to 90 m agl (above ground level) (See Appendix B for additional survey specific details). The route was displayed digitally on the aircraft's GPS (Global Positioning System) (to guide the pilot) and on a hand-held GPS (Nomad) as a back-up for rear observers. A paper map folio of the entire route at a scale of 1:50,000 was used by the front navigator to record observations directly (See Appendix D). An area of approximately 100 to 200 m (depending on terrain and forest cover) was searched on either side of the aircraft. All observations (e.g., wildlife sightings, signs of wildlife, man-made (static) structures) were reported according to location (described using a 12-hour clock reference system for orientation and communication), species, and number and composition described where applicable. A hand-

held GPS was used to record the location for each sighting that corresponded to details abbreviated in the map folio. During the second survey leg, the aircraft followed terrain features of interest (e.g., waterbodies, cliff faces) searching for species of interest such as Harlequin Duck and nesting raptors, for example. Several items identified on the previous transect were investigated more closely upon return (e.g., location of cabins, activity of raptor nests). During the survey of the return transect, the aircraft speed and height varied.

Note that to reduce disturbance to wildlife, and in particular caribou (*Rangifer tarandus*), the Field Team did not pursue these (or other animals) to gain additional information, such as age / sex confirmation or the presence and number of young.

2.2 Data Recording and Organization

All recorded observations were organized in two categories: static observations and mobile observations, within each of the four geographic regions. The static observations, consisting of sightings of fixed objects (e.g., cabins, raptor nests, beaver dams, trails), from all surveys were compiled in a master list. Mobile observations were sightings of objects that were not fixed (e.g., caribou, moose (*Alces alces*), waterfowl). The species observed were grouped into several categories: caribou, moose, raptors, waterfowl, other mammals, and other avifauna (general and species other than waterfowl associated with waterbodies (e.g., shorebirds)). As the return transect was always surveyed within one to two days of the first transect, it was likely that many of the same animals were counted during both legs. As such, the number of sightings or observations was generally used for discussion rather than the total number of individuals recorded, to remove possible duplication. Within each geographic region, and for each category of species, a regional map was produced showing the distribution of observations compared across surveys.

3.0 RESULTS

3.1 Route and Weather Conditions

Weather conditions usually varied within each survey given the large geographic area of interest. Fog was common, particularly along the Avalon Isthmus and surrounding area, and precluded survey effort during some surveys. Surveys were efficient, and with the exception of the following, provided thorough coverage of the Study Area:

- Survey I – The Avalon Peninsula, and portions of the Northern Peninsula and the Central and Eastern Newfoundland regions were not surveyed due to persistent fog;
- Survey II – A section between Come by Chance and Bellevue, and another section in the highlands south of Clarenville were not surveyed due to fog;
- Survey III – A section south of Hampden, where ground fog obscured visibility, could not be surveyed;
- Survey IV – portions of the Central and Southeastern Labrador region were not surveyed due to persistent fog and low cloud cover, and visibility was reduced between Birchy Narrows and Grand Falls as a result of flat light caused by cloud cover and the low angle of the sun.

Detailed information on route and weather conditions is provided in Appendix B.

3.2 Wildlife Observations

A total of 1,482 observations of mammals and avifauna were recorded throughout these surveys (Table 3.1 and Appendix C), including three species of conservation concern (Table 3.2). Several habitats or features of interest, or potentially important biological areas were identified (Table 3.3).

Table 3.1 Sightings of Wildlife and Total Individuals Observed by Geographic Region, June 2011 to May 2012

Species Category		Central and Southeastern Labrador	Northern Peninsula	Central and Eastern Newfoundland	Avalon Peninsula ¹	Total
Caribou		2 (4)	118 (>868)	116 (254)	0	236 (>1,126)
Moose		15 (24)	186 (243)	180 (235)	35 (42)	416 (544)
Waterfowl		137 (>517)	210 (>720)	69 (>198)	16 (50)	432 (>1,485)
Raptors ²		48 (58)	31 (36)	15 (16)	8 (11)	102 (121)
Other Mammals		12 (>13)	10 (10)	10 (10)	2 (7)	34 (>40)
Other Avifauna	General	22 (35)	15 (23)	5 (>7)	5 (18)	47 (>84)
	Waterbodies	100 (239)	90 (>293)	11 (>13)	14 (85)	215 (>630)
Total		336 (>890)	660 (>2,193)	406 (>733)	80 (213)	1,482 (>4,029)
() Indicates the total number of individuals observed						
¹ The entire Avalon Peninsula region of the Study Area was not surveyed during Survey I due to persistent fog.						
² Includes observations of raptors and their nests						

Table 3.2 Species of Conservation Concern Observed During Surveys

Species	Provincial and/or Federal Status	Date Observed	Approximate Location	Number of Observations (Total Number)	Comments
Harlequin Duck (<i>Histrionicus histrionicus</i>)	Vulnerable (NL ESA); and Special Concern (Schedule 1, SARA)	1 September 2011 and 14 May 2012	Northern Peninsula – Upper reaches of the East River (duckling) and Torrent River (adult pair)	2 (3)	Single unconfirmed duckling recorded in late summer and an adult pair in spring
Short-eared Owl (<i>Asio flammeus</i>)	Vulnerable (NL ESA); and Special Concern (Schedule 1, SARA)	17 June 2011	Central and Eastern Newfoundland – Wetland complex south of Catamaran Park	1 (1)	Location was investigated for nesting activity on return transect but nothing confirmed
Woodland Caribou (Labrador) (<i>Rangifer tarandus caribou</i>)	Threatened (NL ESA and Schedule 1, SARA)	30 May 2012	Central and Southeastern Labrador – East of the St. Augustine River	2 (4)	Between, and south, of the ranges of the Mealy Mountain Herd and the Joir River subpopulation

Table 3.3 Habitats of Interest Observed During Surveys

Habitat or Species of Interest	Geographic Region	Approximate Location	Associated Wildlife	Individuals Recorded	Comments
Red Pine (<i>Pinus resinosa</i>) Stand	Central and Eastern Newfoundland	14 km Southwest of Springdale	n/a	n/a	This stand is protected by the West Brook Ecological Reserve
Potentially important production and moulting area	Central and Southeastern Labrador	St. Paul River System	American Black Duck and other waterfowl	~100 American Black Duck	Broods, pre-moulting and moulting aggregations; a large concentration of staging black duck observed in late summer
Potentially important production and moulting areas	Northern Peninsula	Brien's River, River of Ponds and headwaters of the East River	Canada Goose, Common Merganser, Common Goldeneye	Groups of 3-26 geese, 6-11 Common Mergansers, 6 Common Goldeneye	Waterfowl widespread; several production and moulting areas identified
Raptor Nests	All	See Figures 3.12 to 3.15	Osprey, Bald Eagle	102	An 800 m no-cut buffer and a 200 m no activity buffer are required during the nesting season (March 15 - July 15)

Relevant observations are presented below under the following categories: Caribou, Moose, Waterfowl, Raptors, Other Mammals, and Other Avifauna.

3.2.1 Caribou

Only two caribou sightings (four individuals) were made in Central and Southeastern Labrador (Figure 3.1; Table 3.4). Although affiliation cannot be determined, these sightings were within the range of woodland caribou (between the ranges of the Mealy Mountain Herd and Joir River subpopulation), which are listed as Threatened under the provincial and federal species at risk legislation (caribou in insular Newfoundland are currently not listed).

Caribou were observed most commonly in the Northern Peninsula (Figure 3.2) and Central and Eastern Newfoundland (Figure 3.3) regions, where they were sighted on all surveys (Table 3.4). Within the Northern Peninsula caribou were observed at the greatest number of locations in the fall (Survey IV), pre-calving (Survey V), and calving periods (Survey I; 42 observations), while far fewer were observed during the post-calving period (Survey II) (Figure 3.2). The largest aggregations of caribou (10 to >400) were observed on Surveys I, II and IV during the calving, post-calving and fall seasons, respectively.

A similar temporal pattern was observed in the Central and Eastern Newfoundland region (Figure 3.3), where caribou were at the most locations during pre-calving and calving periods, however unlike in the Northern Peninsula Region, few caribou were observed during the fall period. The largest group sizes (11 to 22) were also encountered during Surveys I and II (pre-calving and calving periods). Although there were areas where the distribution of caribou observations were concentrated, observations of caribou were distributed throughout the survey transect in both regions, across all surveys (Figures 3.1 – 3.3).

Table 3.4 Caribou Observations in the Study Area, 2011-2012

Survey	Central and Southeastern Labrador	Northern Peninsula	Central and Eastern Newfoundland	Avalon Peninsula	Comments
I – Early Summer	0	26 (139)	42 (87)	¹	One group of 20 adults + 9 calves on Northern Peninsula. Lone females with calves generally in forested vs. open areas.
II – Mid-summer	0	11 (>498)	16 (62)	0	5 groups of 10-15 observed, one group of 65 on the Northern Peninsula, and one group with >400 animals (minimum of 8 calves) also on the Northern Peninsula.
III – Late Summer	0	8 (12)	7 (7)	0	Generally single adults; one group with 2 adults and 2 calves on the Northern Peninsula.
IV – Mid-fall	0	37 (160)	2 (6)	0	Group of 22 on the Northern Peninsula, with no calves identified; groups generally 11 or fewer caribou. Caribou on the Northern Peninsula appeared to have moved to lower elevations. Many caribou may have shifted southward to wintering habitats.
V – Spring	2 (4)	36 (59)	49 (92)	0	Mainly in small groups (≤4); no calves identified (survey preceded the calving period). Caribou located in areas similar to Survey I.
() Indicates the total number of individuals observed					
¹ The Avalon Peninsula was not surveyed during Survey I due to persistent fog.					

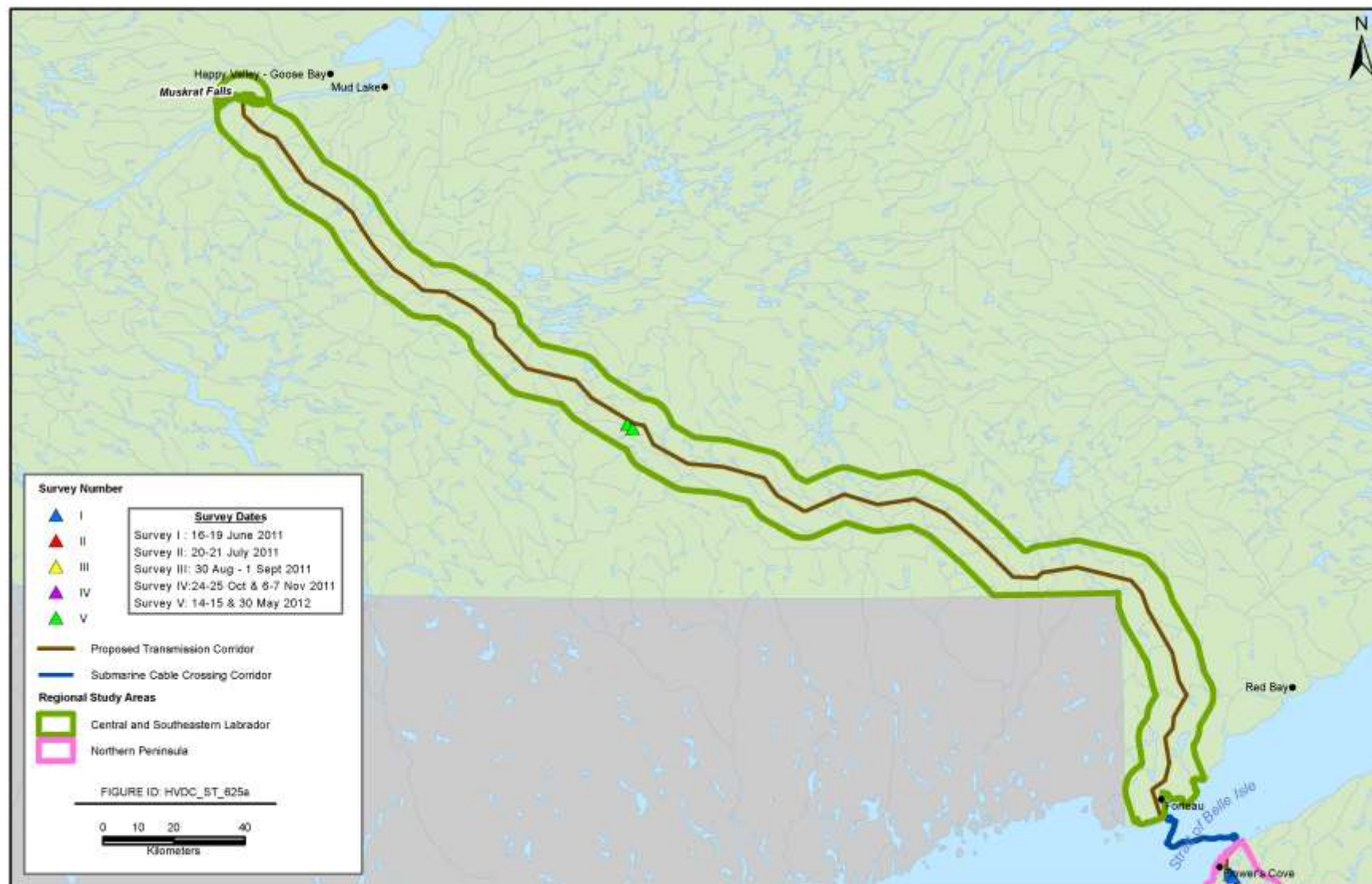
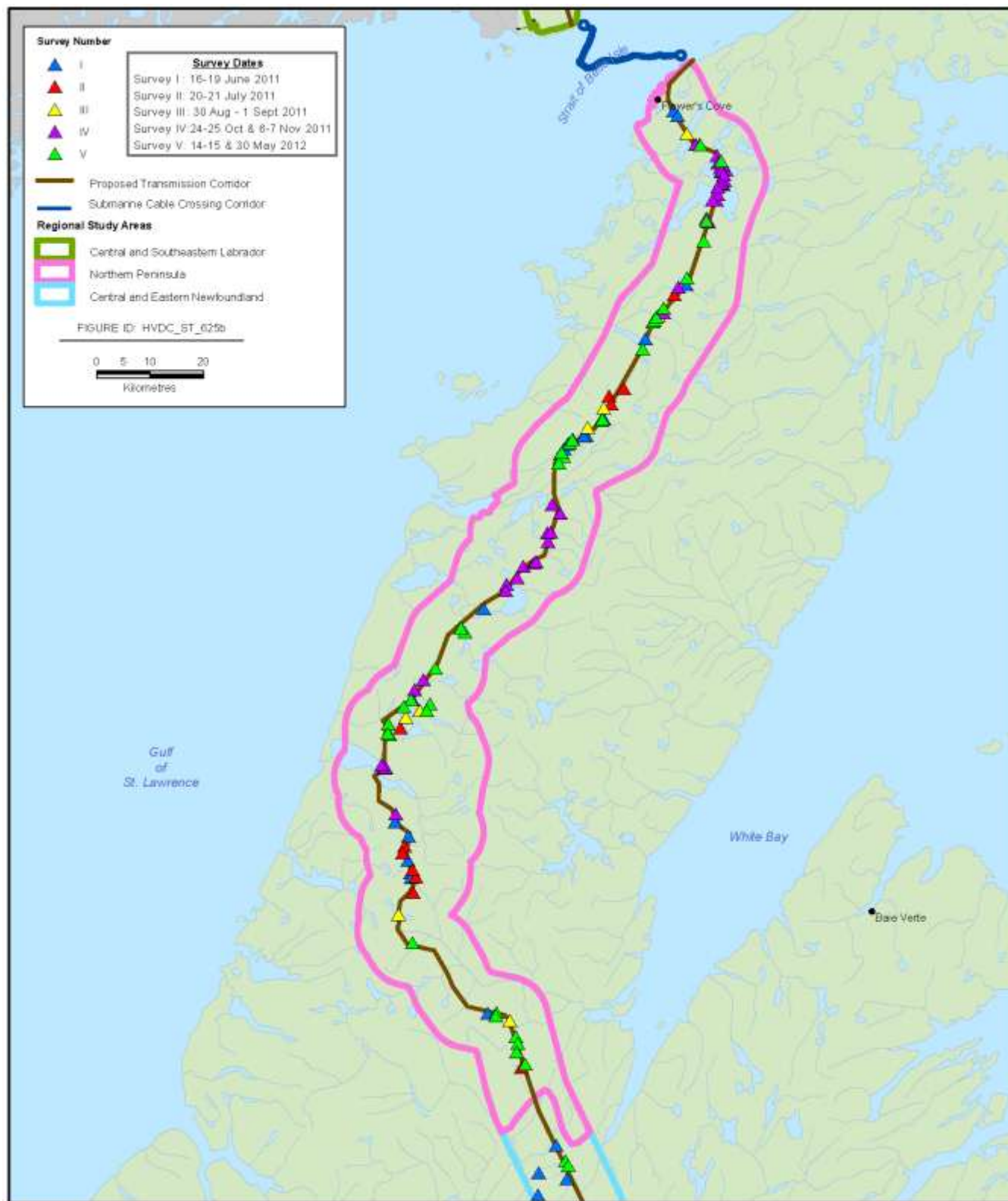
Figure 3.1 Caribou Observations in Central and Southeastern Labrador Region of the Study Area

Figure 3.2 Caribou Observations in the Northern Peninsula Region of the Study Area

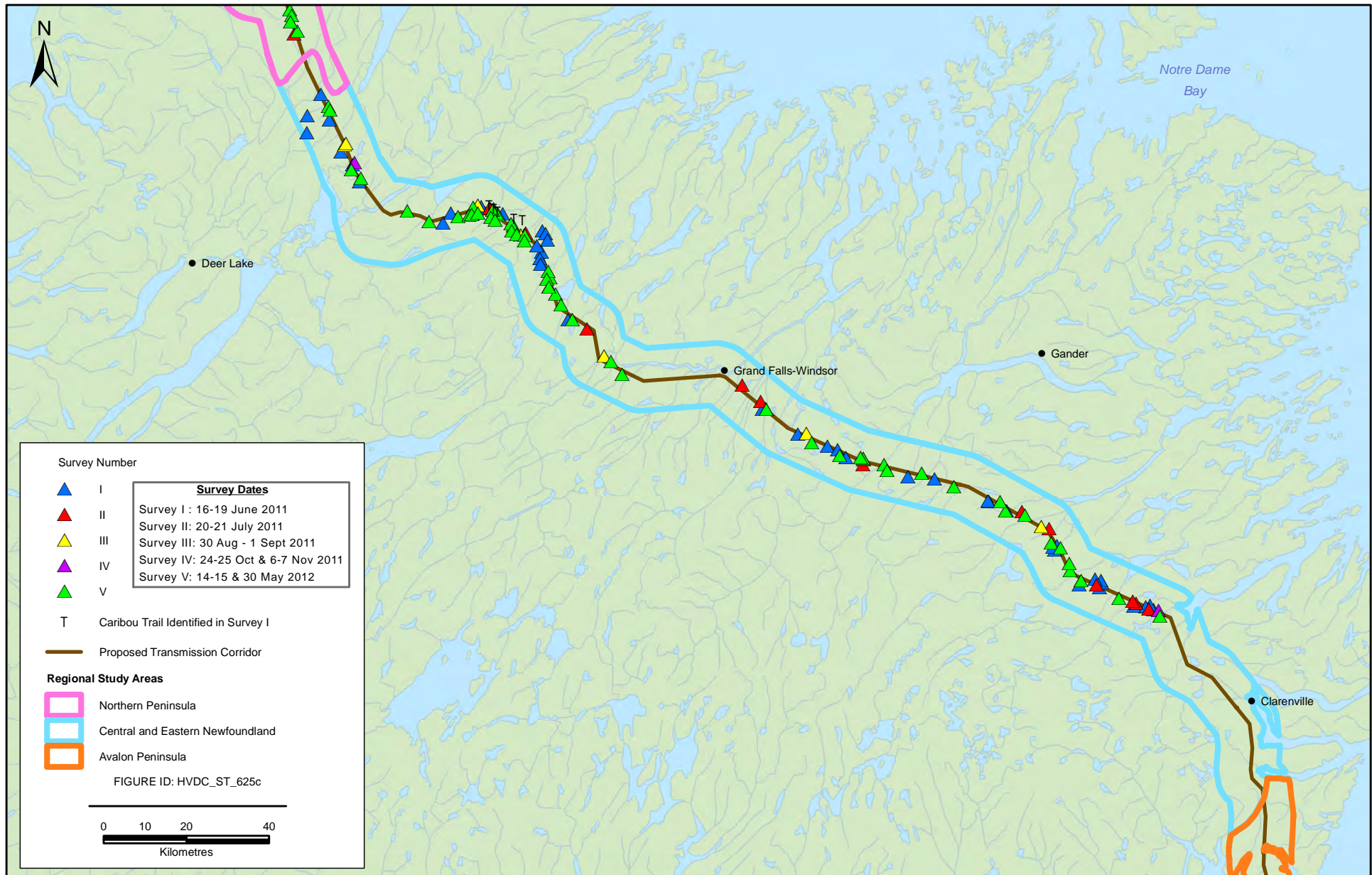


FIGURE 3.3

**Caribou Sightings from Surveys I-V,
Central and Eastern Newfoundland**

Caribou in the Central and Southeastern Labrador region of the Study Area were found in association with Conifer Forest and Wetland habitats. On the island, Caribou were observed in a variety of habitat types, with the greatest number of locations and individuals observed in the Scrub / Heathland / Wetland and Wetland habitats (Table 3.5).

Table 3.5 Number of Individual Caribou recorded and associated ELC Habitat Unit, 2011-2012

ELC Habitat Unit	Central and Southeastern Labrador	Northern Peninsula	Central and Eastern Newfoundland	Avalon Peninsula	Total	Comments / Season Observed
Conifer Forest	2	81	3		86	Majority of observations in early summer (21), mid-fall (37), and spring (22)
Conifer Scrub		1	14		15	Most observations in spring (11)
Cutover		4	30		34	Most observations in spring (22)
Kalmia Lichen / Heathland			24		24	Observations almost exclusively in early summer (23)
Mixedwood Forest		12	46		58	Observations fairly distributed throughout seasons, but most common in spring (18)
Open Conifer Forest		50	32		82	Most observations in mid-summer (19), mid-fall (36) and spring (25)
Rocky Barrens		4			4	Mid-summer
Wetland	2	107	82		191	Majority of observations in mid-summer (112)
Scrub / Heathland / Wetland		150	16		166	Majority of observations in early summer (98)
Exposed Earth			6		6	Early summer
Shallow water with vegetation ¹		30			30	Most observations in mid-fall (22)
Unknown (cloud/shadow)		4			4	Mid-summer
TOTAL	4	439	253	0	700	
Notes: Numbers are based on the total number of individual caribou associated with a particular ELC habitat, versus observations of pairs or groups of caribou. ¹ Not an ELC habitat unit.						

3.2.2 Moose

In Labrador, one to three Moose sightings were recorded during each survey (Figure 3.4; Table 3.6), and were often associated with riverine habitats (e.g., St. Augustine and St. Paul River systems). Compared to Labrador, moose were relatively abundant across the island portion of the Study Area (77 to 103 animals recorded throughout surveys) (Figures 3.5-3.7), with the greatest number of sightings on the Northern Peninsula (Table 3.6). Throughout the Study Area, observations of individual moose were most common however pairs (calf-cow pairs or two adults) were recorded throughout all surveys. The fewest number of moose were recorded during Survey IV (September).

Table 3.6 Moose Observations in the Study Area, 2011-2012

Survey	Central and Southeastern Labrador	Northern Peninsula	Central and Eastern Newfoundland	Avalon Peninsula	Comments
I – Early Summer	1 (1)	34 (49)	42 (56)	¹	The majority of observations were of single animals; there were 18 observations of an adult female with one or two calves. Calves estimated at 1-2 weeks, with one estimated at one day (near Badger).
II – Mid-summer	3 (5)	40 (48)	33 (37)	15 (17)	Most observations of single adults; 13 cow-calf pairs.
III – Late Summer	4 (5)	45 (57)	36 (45)	6 (7)	Most observations in Labrador on the St. Paul and St. Augustine River systems, and single animal north of Forteau. In general, single animals are most common, with some pairs (two adults or cow-calf) observed. Many observations associated with higher elevations on Northern Peninsula.
IV – Mid-fall	2 (7)	28 (34)	17 (28)	6 (9)	Moose in Labrador on the St. Paul and St. Augustine River systems; one group of 5 in Labrador. Mostly single animals, with few calves. Seldom encountered in areas of higher.
V – Spring	5 (6)	39 (55)	52 (69)	8 (9)	Moose in Labrador associated with St. Paul and St. Augustine River systems, and Brennan Lake. In general, most sightings of single animals or pairs, and a small number of groups of 3; only one cow-calf pair.
() Indicates the total number of individuals observed ¹ The Avalon Peninsula was not surveyed during Survey I due to persistent fog.					

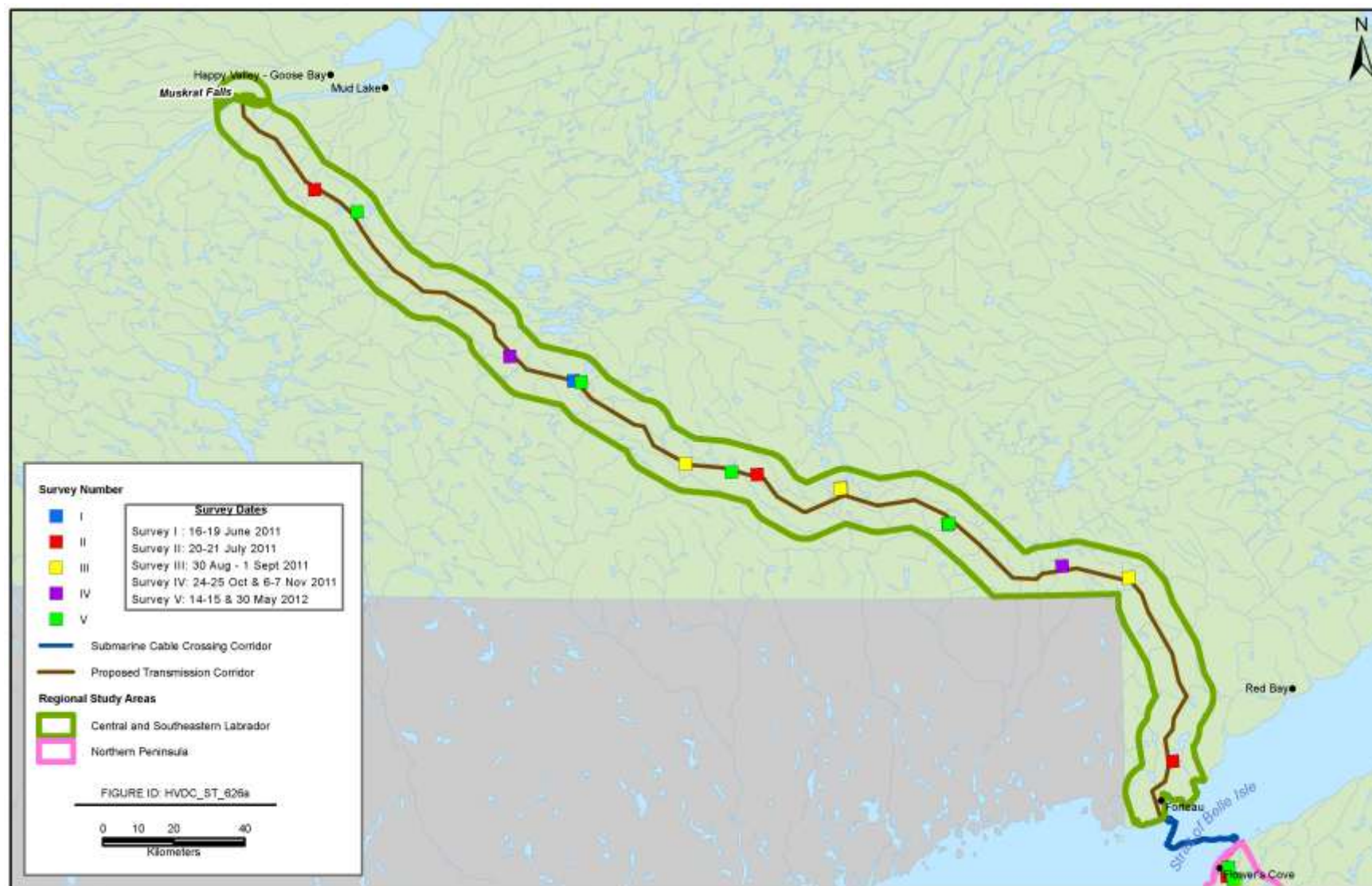
Figure 3.4 Moose Observations in the Central and Southeastern Labrador Region of the Study Area

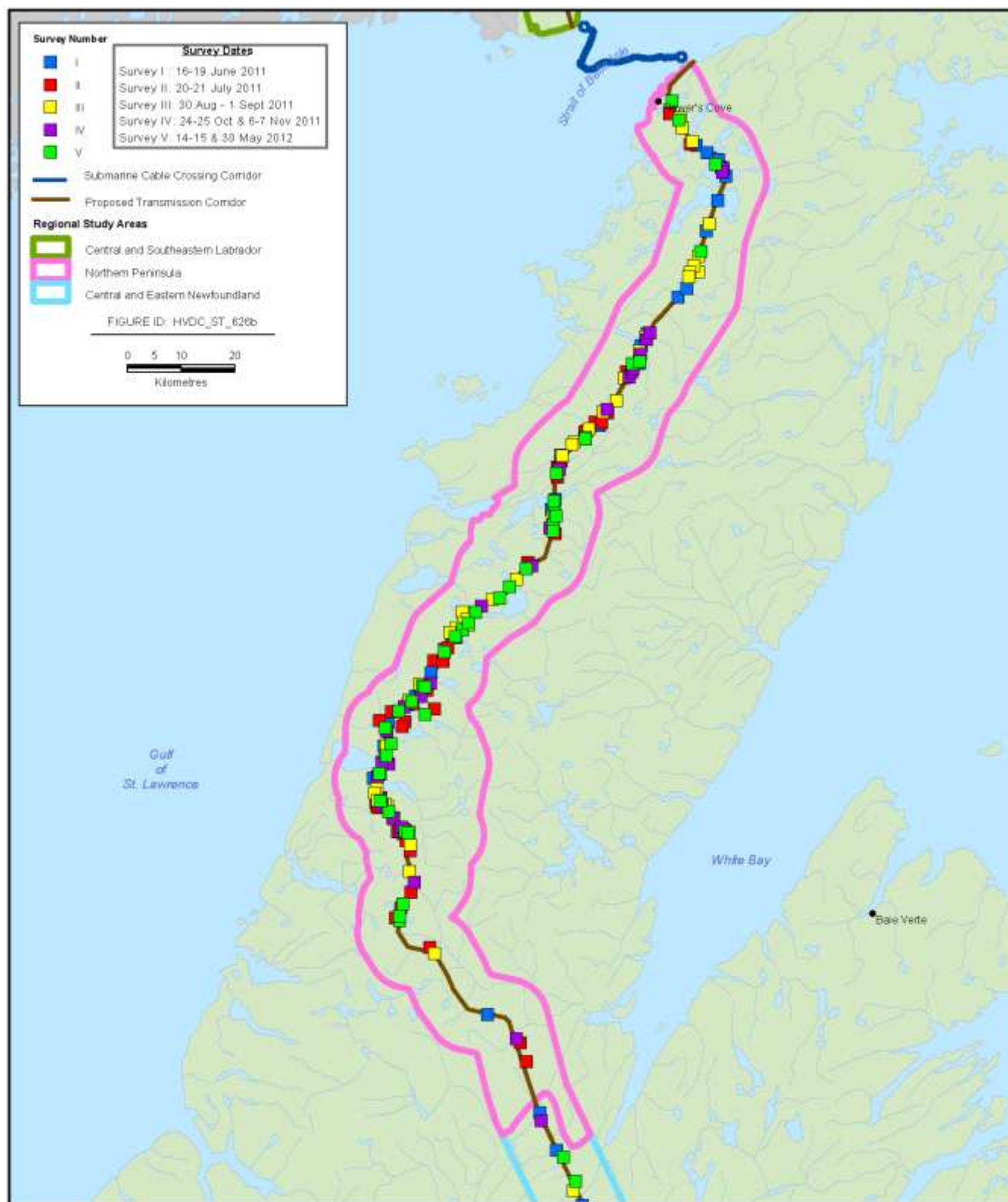
Figure 3.5 Moose Observations in the Northern Peninsula Region of the Study Area

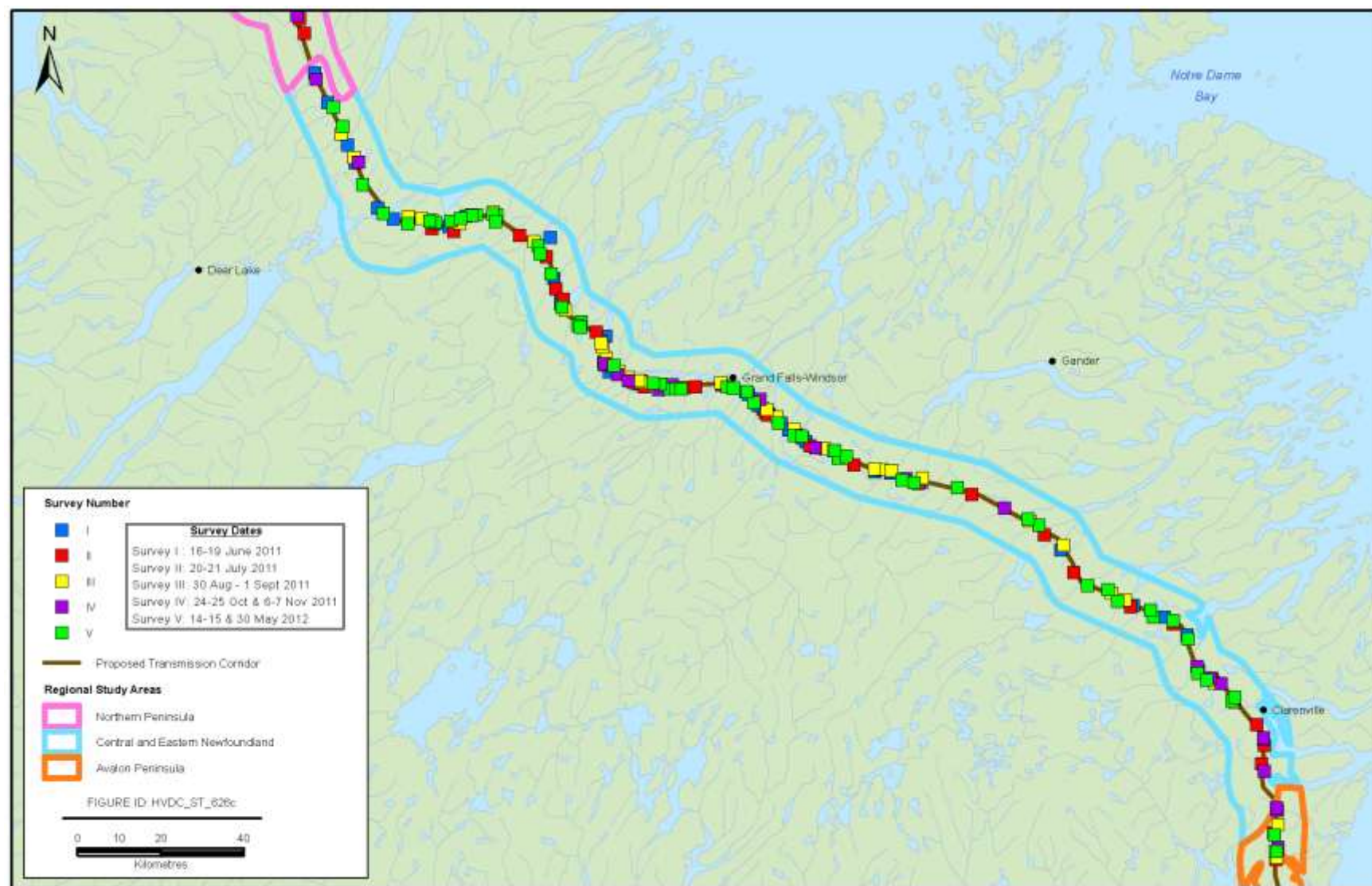
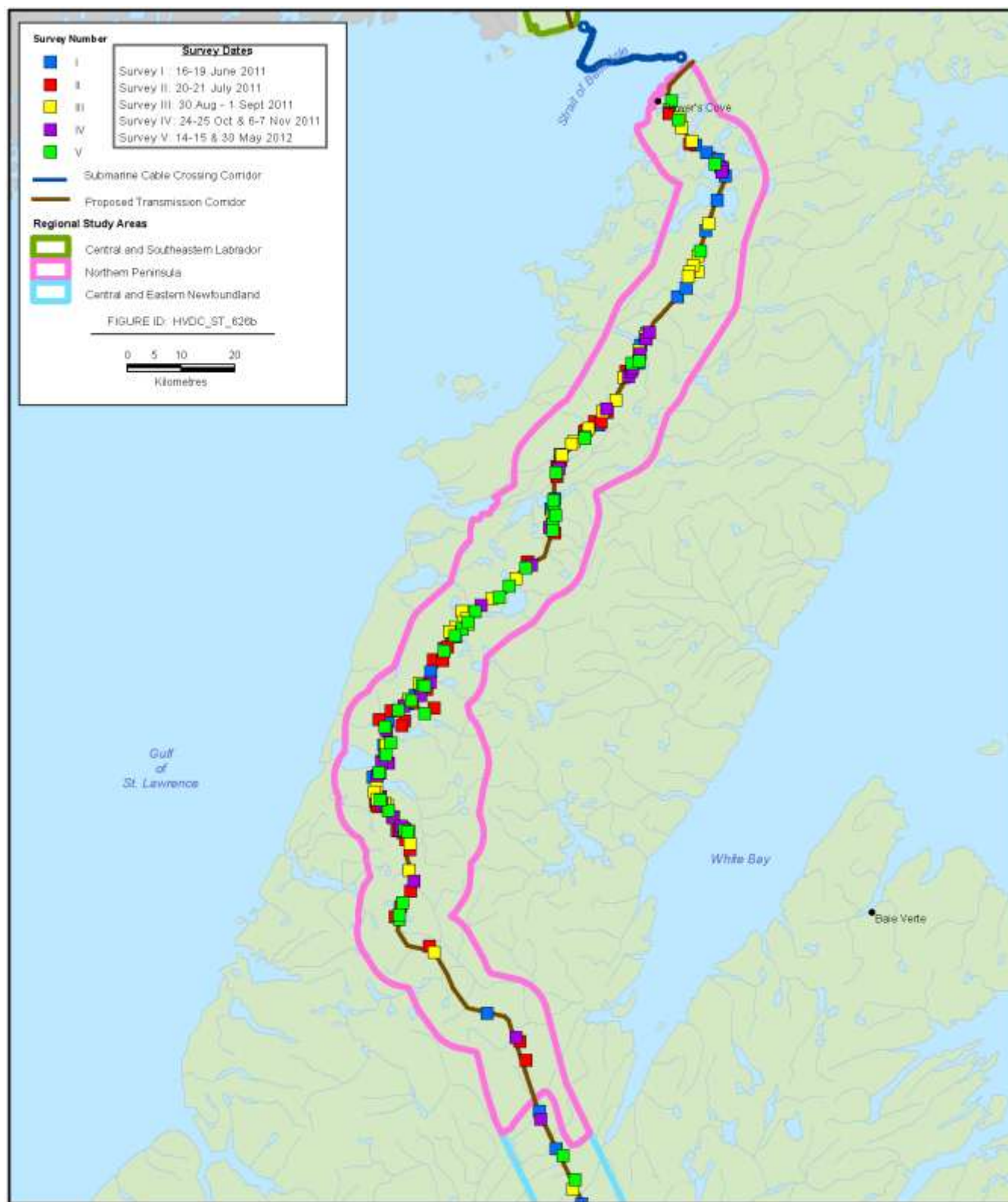
Figure 3.6 Moose Observations in the Central and Eastern Newfoundland Region of the Study Area

Figure 3.7 Moose Observations in the Avalon Peninsula Region of the Study Area

In the Labrador portion of the Study Area, moose were most commonly associated with wetland habitat (12 animals), with an equal number of sightings distributed among Conifer Forest, Conifer Scrub and Open Conifer Forest habitats (Table 3.7). On the island portion of the Study Area, moose were distributed throughout a variety of habitats, with most observations occurring in Scrub / Heathland / Wetland, Mixedwood, and Cutover habitats. Open Conifer habitat was also commonly used by moose on the Northern Peninsula, compared to other habitats in this region. The Study Team noted that moose on the Northern Peninsula, in particular, were associated with areas of higher elevation during Survey III in late Summer, but appeared to move from these areas (and were less frequently encountered in general) by Survey IV in mid-Fall.

Table 3.7 Number of Individual Moose recorded and associated ELC Habitat, 2011-2012

ELC Habitat Unit	Central and Southeastern Labrador	Northern Peninsula	Central and Eastern Newfoundland	Avalon Peninsula	Total	Comments / Season Observed
Conifer Forest	4	41	7	5	57	Observations throughout seasons, with most in early summer (18)
Conifer Scrub	3	3	2		8	Half of observations from mid-summer
Cutover		13	71	4	88	Most observations in spring (26) and early summer (25)
Kalmia Lichen / Heathland			5	2	7	Observations in mid (2) and late (2) summer, and mid-fall (3)
Mixedwood Forest		17	74	5	96	Observations most common in spring (28), and early (21) and late (24) summer
Open Conifer Forest	5	62	15		82	Observations throughout seasons surveyed but most common in fall (24)
Wetland	12	17	34		63	Observations in early (6), mid (14) and late (10) summer, mid-fall (17) and spring (16)
Scrub / Heathland / Wetland		78	23	23	124	Most observations in mid (32) and late (32) summer, and spring (27)
Shallow water with vegetation ¹		12	3	2	17	Observations from all seasons with exception of mid-fall
Exposed Earth			1	1	2	One observations in each of early and late summer
TOTAL	24	243	235	42	544	
Notes: Numbers are based on the total number of individual moose associated with a particular ELC habitat, versus observations of pairs or groups of moose. ¹ Not an ELC habitat unit.						

3.2.2.1 Waterfowl

Waterfowl were recorded throughout surveys, though were relatively more common in the Central and Southeastern Labrador (512 observations; Figure 3.8) and Northern Peninsula (716 observations; Figure 3.9), compared to other regions [198 observations in the Central and Eastern Newfoundland Region (Figure 3.10) and 50 observations in the Avalon Peninsula Region (Figure 3.11)] (Table 3.8). A total of 11 species of waterfowl

were confirmed, with Canada Goose (*Branta Canadensis*), mergansers (*Mergus merganser* and *M. serrator*), Ringed-necked Duck (*Aythya valisineria*), and American Black Duck (*Anas rubripes*) observed most frequently. American Black Duck / Mallard hybrids were also recorded, one in each of the Central and Southeastern Labrador and the Northern Peninsula regions. Other species of waterfowl included Common Goldeneye (*Bucephala clangula*), Green-winged Teal (*Anas crecca*), Scoter (*Melanitta sp.*), Scaup (*Aythya sp.*), Common Loon (*Gavia immer*), and Harlequin Duck (*Histrionicus histrionicus*).

Harlequin Duck, a species of “Special Concern” under the federal *Species at Risk Act*, were recorded during surveys with one unconfirmed sighting of a Class III (i.e., fully feathered, flightless) duckling on the upper reaches of the East River during survey III, and one adult pair on the Torrent River during Survey V, both on the Northern Peninsula.

Timing of surveys provided coverage of the breeding, brood-rearing, moulting, staging and migratory period for many species of waterfowl. As expected, spatial differences were noted among the different regions of the Study Area. For example, during Survey I, Canada Goose were on eggs in Labrador, while young broods were recorded in Newfoundland.

Potentially important production and moulting areas were identified in the Central and Southeastern Newfoundland and Northern Peninsula regions of the Study Area, during surveys in mid- and late-summer (Tables 3.3 and 3.8).

Table 3.8 Waterfowl Observations in the Study Area, 2011-2012

Survey	Central and Southeastern Labrador	Northern Peninsula	Central and Eastern Newfoundland	Avalon Peninsula	Comments
I – Early Summer	27 (51)	49 (>152)	11 (18)	- ¹	Near the end of the breeding period for most species. Canada geese on the Northern Peninsula were mostly adults with young or moulting birds; geese were on eggs in Labrador.
II – Mid-summer	29 (>119)	49 (242)	7 (42)	9 (32)	Broods, pre-moulting and moulting aggregations of ducks and geese observed. Potentially important moulting area on the St. Paul's River system in Labrador. Concentrations of waterfowl near Brien's River, River of Ponds and headwaters of the East River, on the Northern Peninsula.
III – Late Summer	33 (>232)	37 (117)	16 (42)	3 (4)	Observations primarily of staging waterfowl. Approx. 100 Black Duck observed at one location on the St. Paul's River. Black Duck and Canada Geese broods were capable of flight but flightless merganser broods observed.
IV – Mid-fall	0	8 (46)	0	1 (10)	Fewer waterfowl in general, as survey was conducted after many species had migrated.
V – Spring	48 (>115)	67 (163)	35 (>96)	3 (4)	Noted 20 individual Scaup <i>sp.</i> in Labrador, with 2 confirmed as Greater Scaup.
() Indicates the total number of individuals observed					
¹ The Avalon Peninsula was not surveyed during Survey I due to persistent fog.					

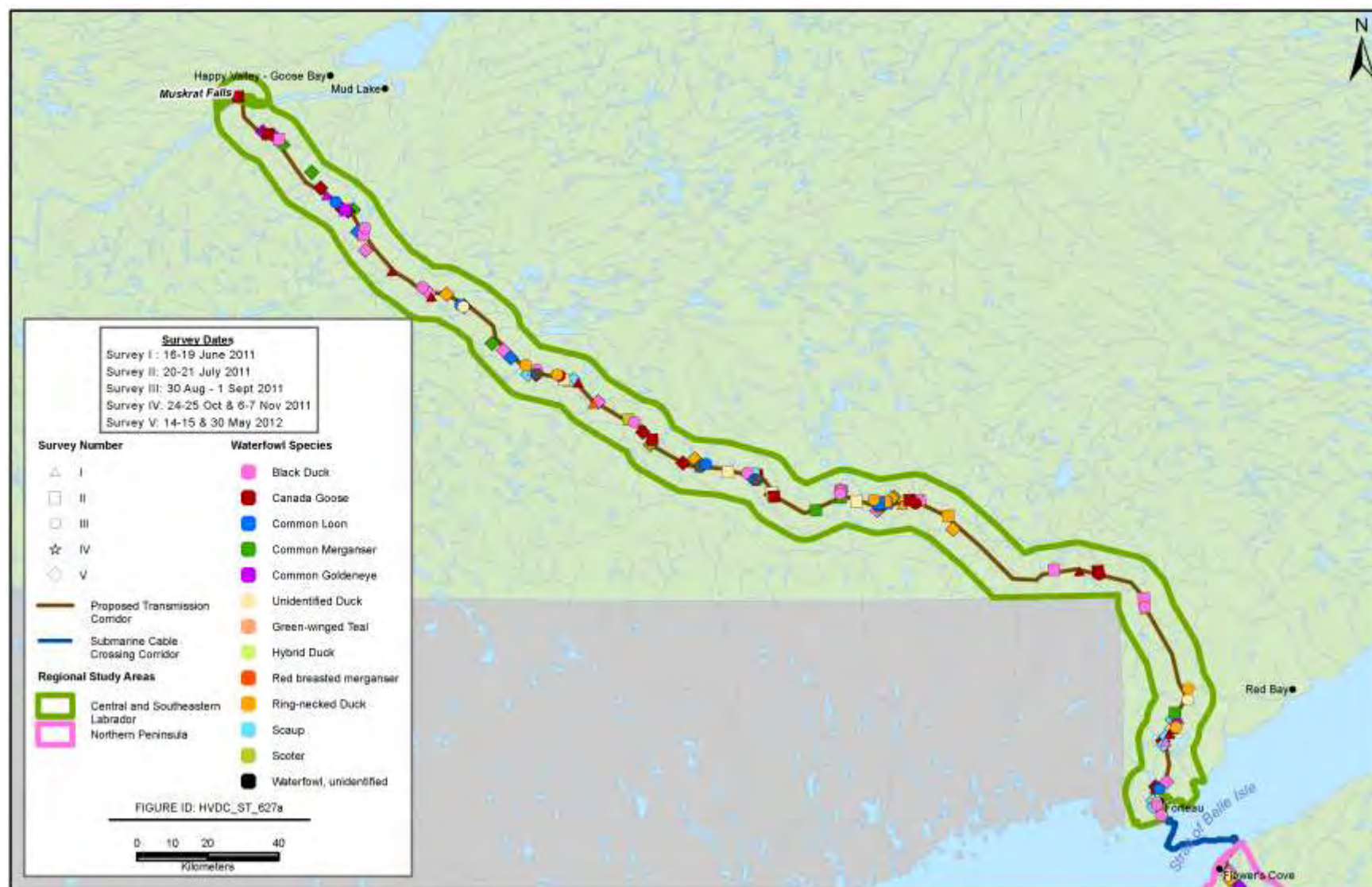
Figure 3.8 Waterfowl Observations in the Central and Southeastern Labrador Region of the Study Area

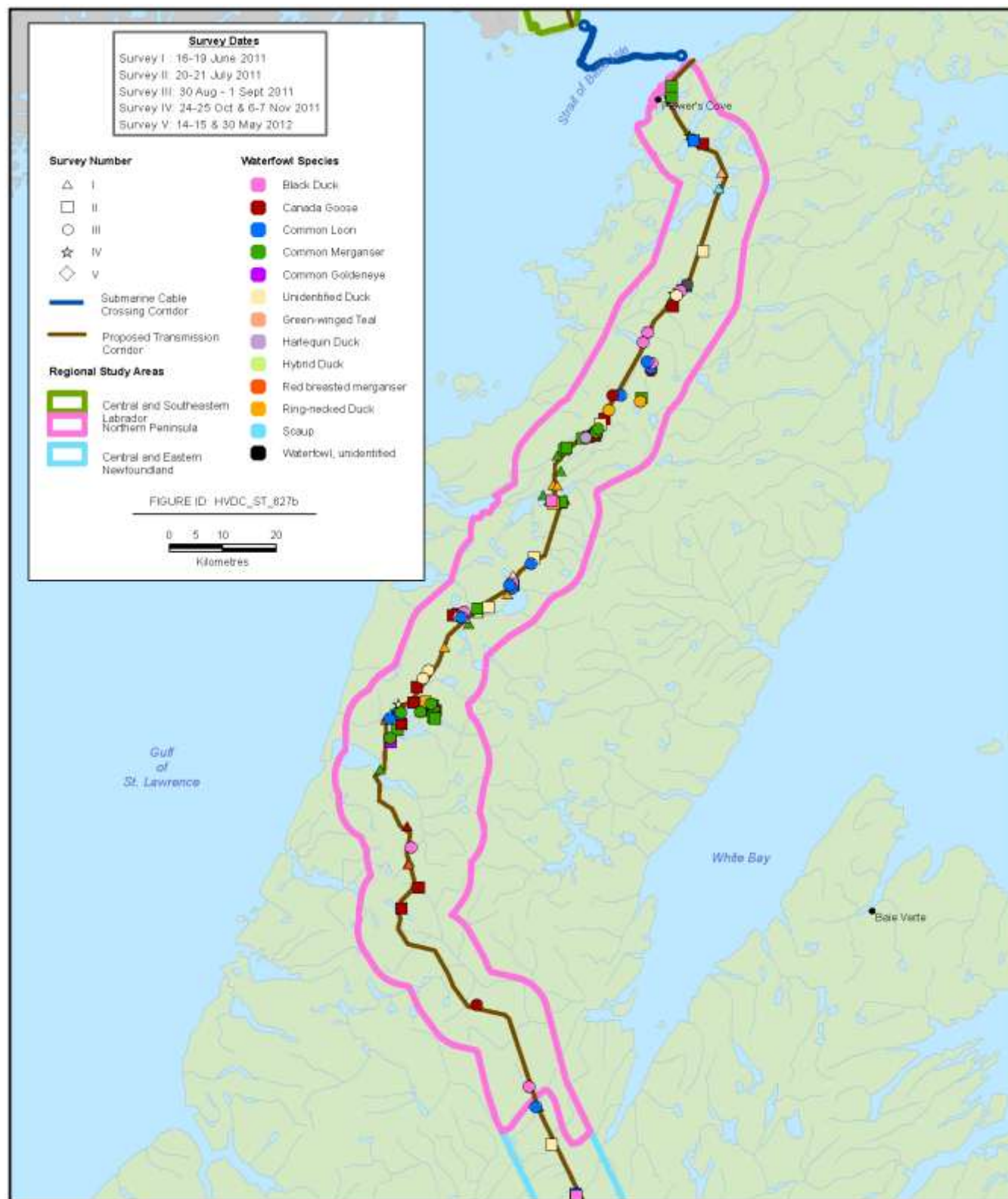
Figure 3.9 Waterfowl Observations in the Northern Peninsula Region of the Study Area

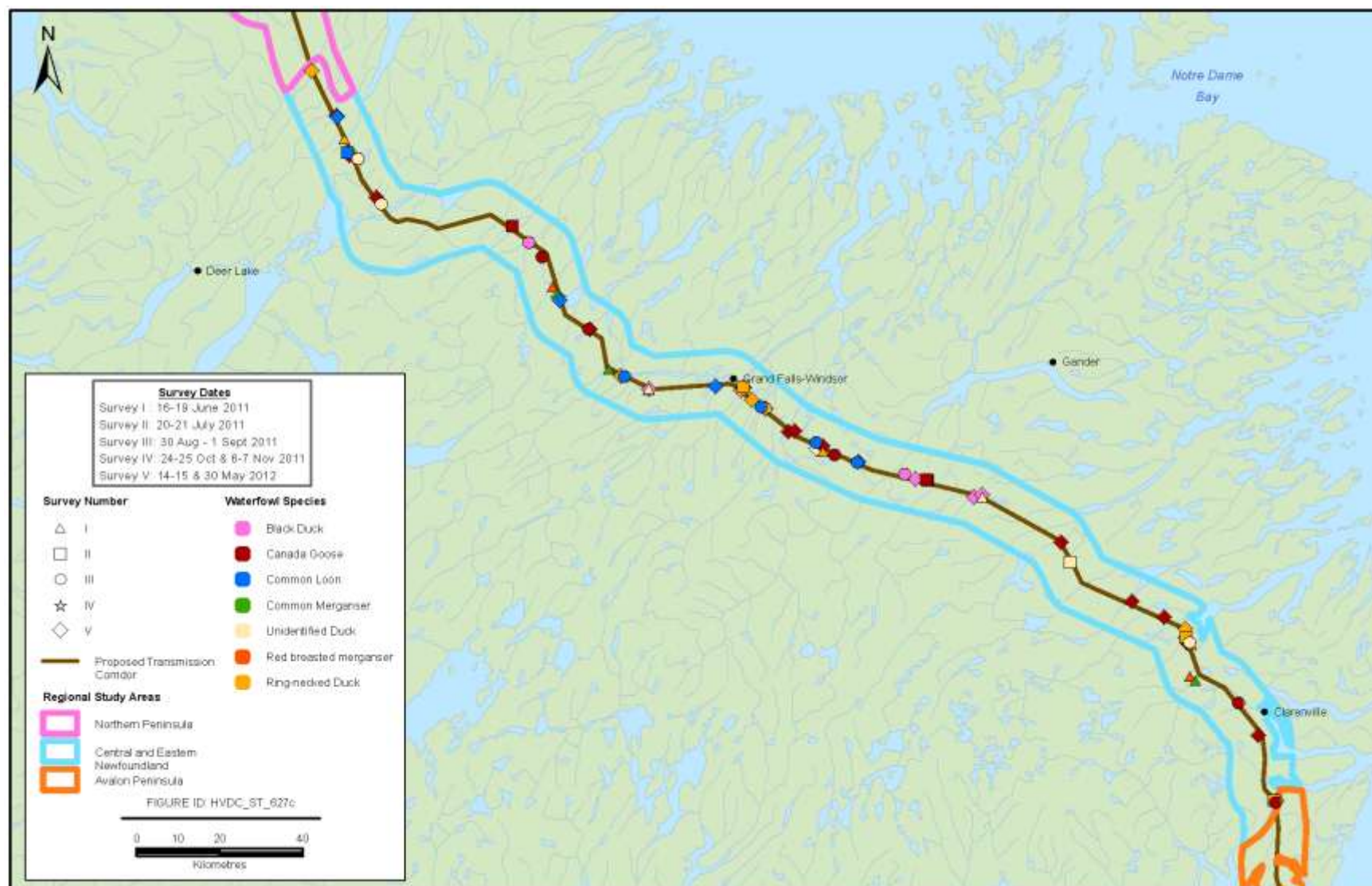
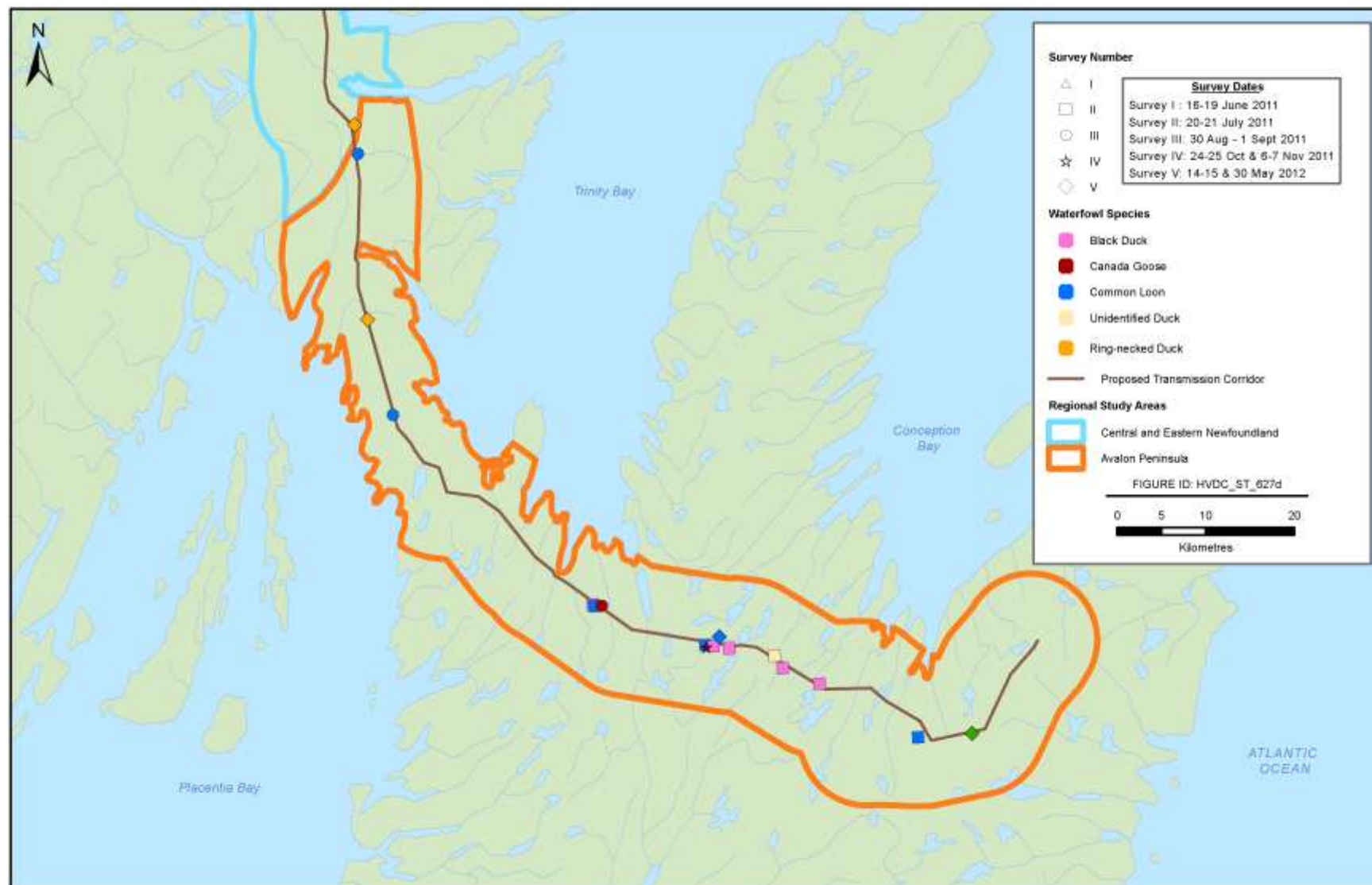
Figure 3.10 Waterfowl Observations in the Central and Eastern Newfoundland Region of the Study Area

Figure 3.11 Waterfowl Observations in the Avalon Peninsula Region of the Study Area

3.2.3 Raptors

A total of eight species of raptors were confirmed during surveys, comprised of Osprey (*Pandion haliaetus*), Bald Eagle (*Haliaeetus leucocephalus*), Red-tailed Hawk (*Buteo jamaicensis*), Rough-legged Hawk (*Buteo lagopus*), Great-horned Owl (*Bubo virginianus*), Northern Goshawk (*Accipiter gentilis*), Northern Harrier (*Circus cyaneus*), and Short-eared Owl (*Asio flammeus*) (Figures 3.12-3.15). Of these, the Short-eared Owl, observed in the Central and Eastern Newfoundland region of the Study Area during Survey I (Figure 3.14), is listed as 'Vulnerable' under the *Newfoundland and Labrador Endangered Species Act*, and a species of 'Special Concern' under Schedule I of the federal *Species at Risk Act*.

The greatest diversity of species was identified on the Northern Peninsula (six of eight species), although observations of raptors – particularly Osprey – were relatively more common in Labrador (Table 3.9). A total of 48 observations were recorded in Central and Southeastern Labrador, 31 on the Northern Peninsula, 15 in Central and Eastern Newfoundland, and 8 on the Avalon Peninsula (Table 3.9).

Table 3.9 Raptor Observations in the Study Area, 2011-2012

Survey	Central and Southeastern Labrador	Northern Peninsula	Central and Eastern Newfoundland	Avalon Peninsula	Comments (Nest Activity ²)
I – Early Summer	6 (6)	5 (5)	4 (4)	- ¹	Osprey (5 active, 2 inactive, 1 unknown status) and Bald Eagle (1 active) nests only observed in Labrador; Short-eared Owl observed in Central and Eastern NL
II – Mid-summer	14 (15)	7 (8)	1 (1)	1 (1)	Osprey (4 active, 2 inactive, 6 unknown) and Bald Eagle (1 active) nests observed in Labrador; 1 Osprey nest on the Northern Peninsula with unknown activity
III – Late Summer	18 (26)	7 (7)	0	3 (3)	7 of 13 Osprey nests in Labrador active, all with only 1 fledgling; one previously identified Bald Eagle nest with a single eaglet; Possible Osprey nest identified in Central and Eastern NL
IV – Mid-fall	1 (1)	12 (16)	5 (6)	1 (1)	Majority of sightings in insular Newfoundland were Bald Eagle
V – Spring	9 (10)	0	5 (5)	3 (6)	Two active Bald Eagle nests, one active Osprey nest and one empty nest recorded in Labrador
() Indicates the total number of individuals observed ¹ The Avalon Peninsula was not surveyed during Survey I due to persistent fog. ² Total does not include old or damaged nests that would be considered unavailable for nesting.					

Forty-seven raptor nests of Osprey (37 active, inactive, and old or damaged nests), Bald Eagle (five active nests) and unconfirmed species (four nests) were recorded in the Study Area (Table 3.9), with the majority (35) identified in Central and Southeastern Labrador.

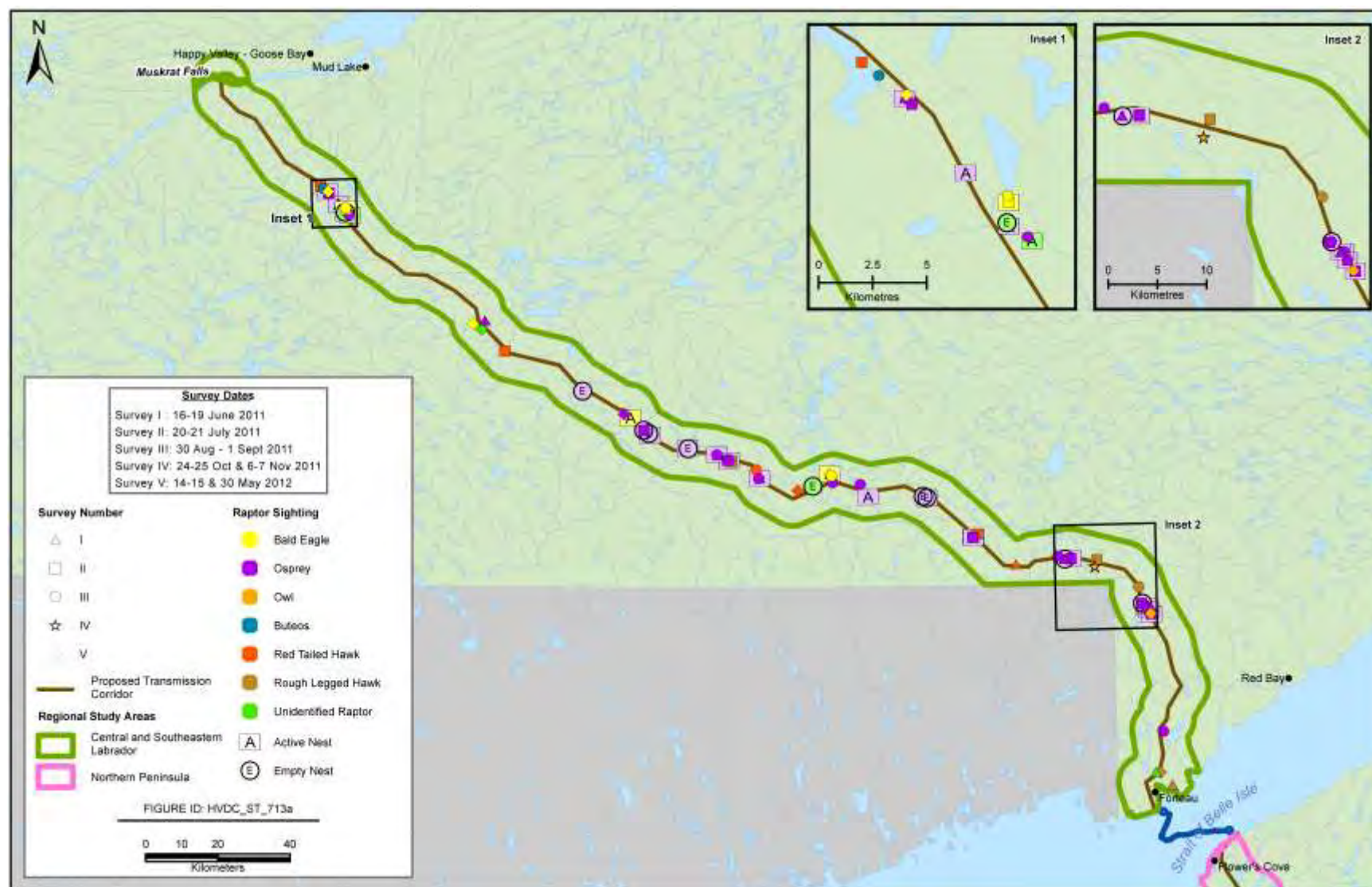
Figure 3.12 Raptor Observations in the Central and Southeastern Labrador Region of the Study Area

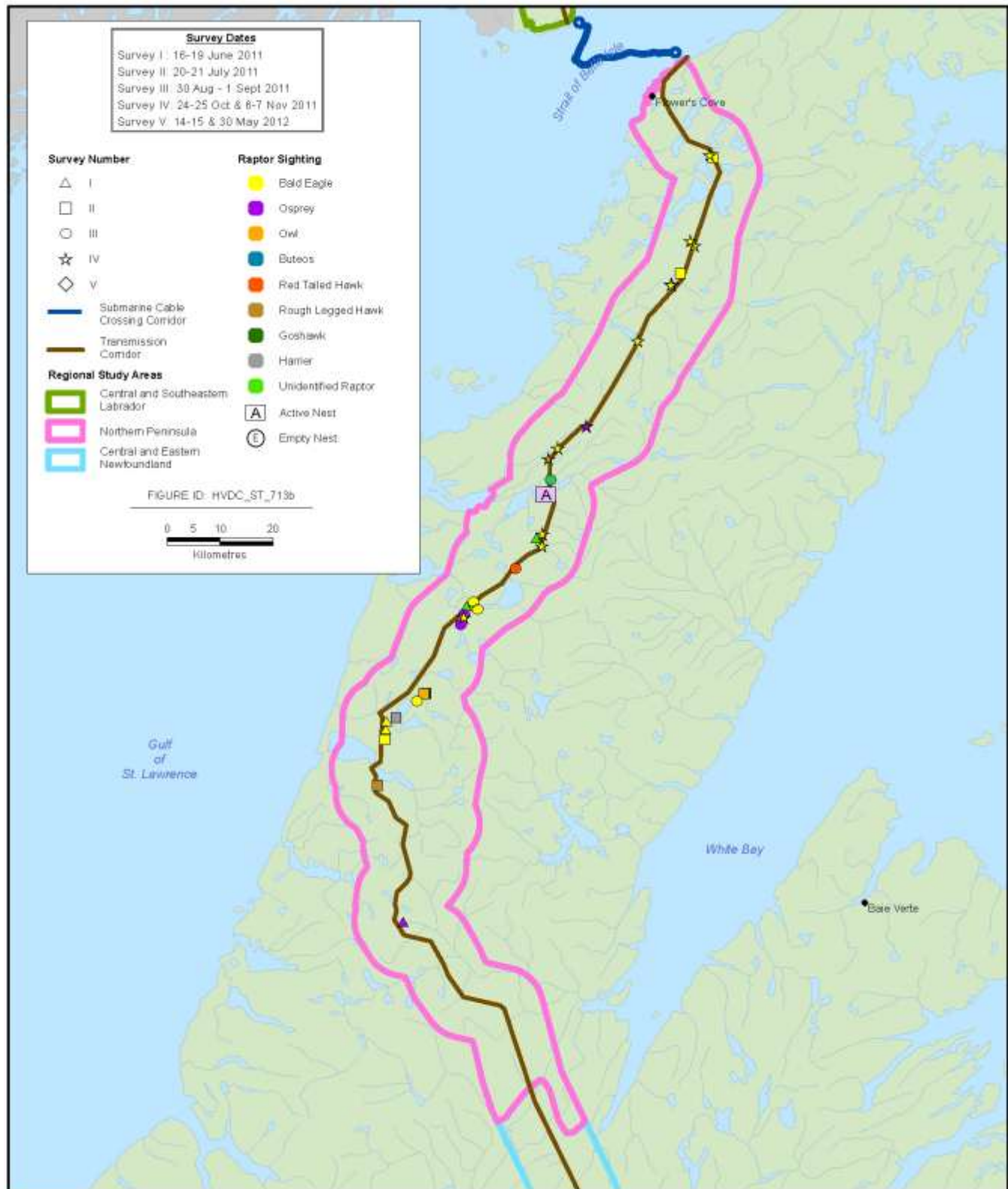
Figure 3.13 Raptor Observations in the Northern Peninsula Region of the Study Area

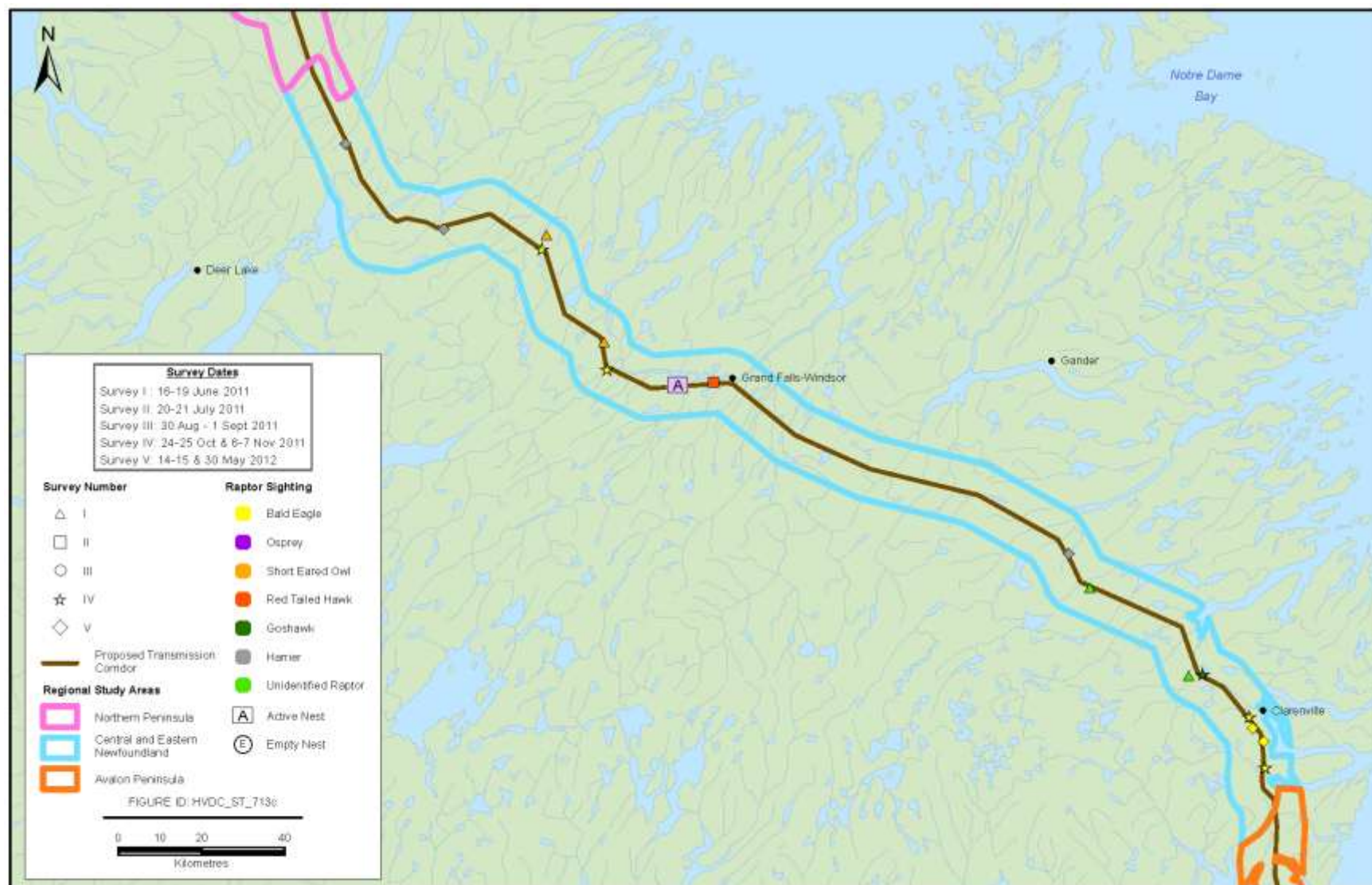
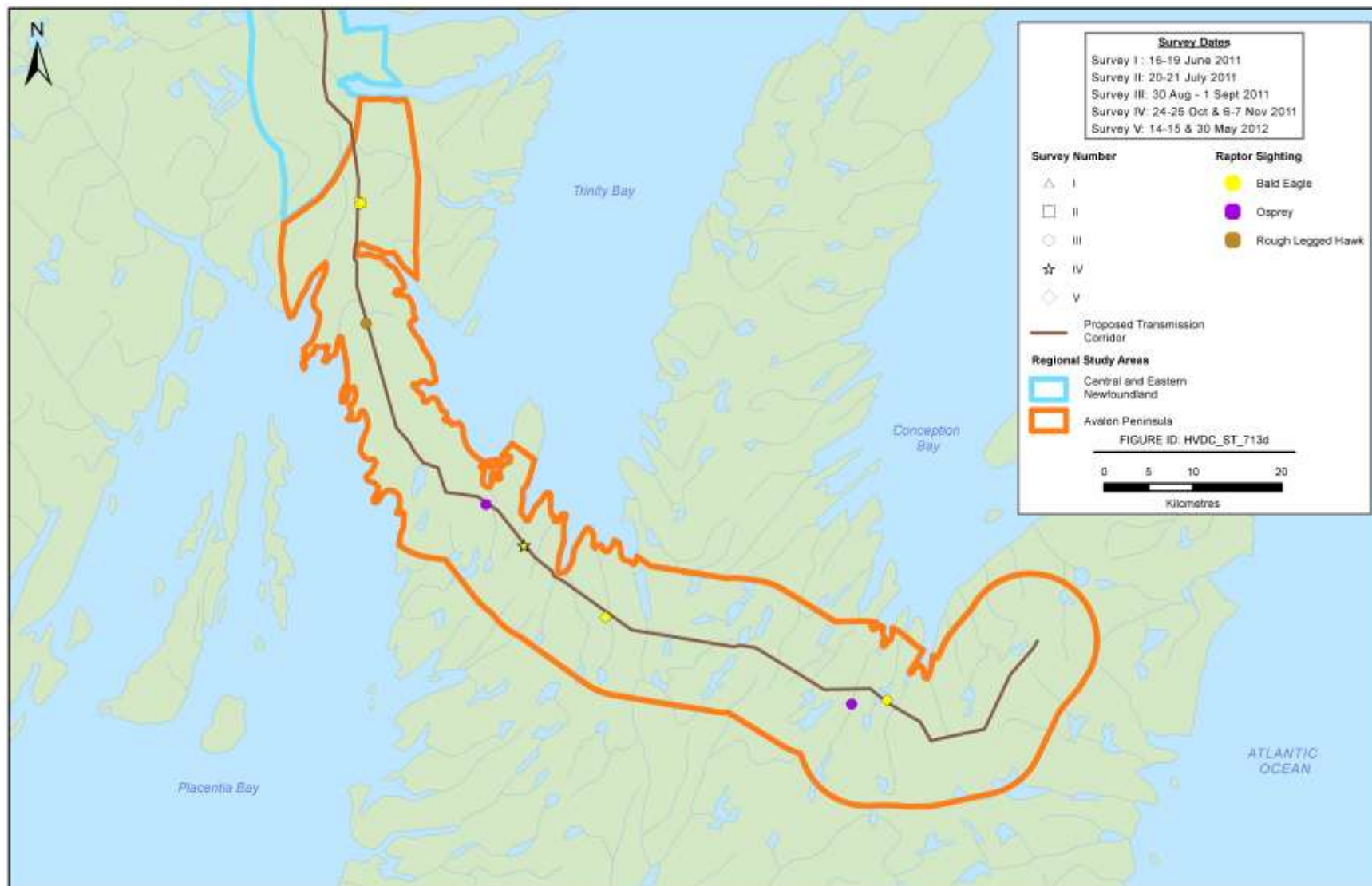
Figure 3.14 Raptor Observations in the Central and Eastern Region of the Study Area

Figure 3.15 Raptor Observations in the Avalon Peninsula Region of the Study Area

3.2.4 Other Mammals

Other mammal observations included American Black Bear (*Ursus americanus*), American Beaver (*Castor canadensis*), Coyote (*Canis latrans*), Porcupine (*Hystricomorph hystricidae*), Snowshoe Hare (*Lepus americanus*), Red Fox (*Vulpes vulpes*) and cattle.

Black bear were observed in Central and Southeastern Labrador (spring and summer surveys), on the Northern Peninsula (spring and summer surveys), and in the Central and Eastern Newfoundland (late summer, fall and spring surveys) regions of the Study Area. Bears were noted in highland habitats during Survey II, particularly along the coastal highlands north of Forteau and between the Castor and Torrent Rivers on the Northern Peninsula.

Coyote were recorded in insular Newfoundland only, on Survey I in early summer (Central and Eastern Newfoundland) and Survey IV in mid-fall, the latter in an area of transition between forest and upland habitats, south of Portland Creek Pond (Northern Peninsula).

Porcupine occur only in the Labrador portion of the Study Area (Banfield 1974), and a single observation was recorded during Survey V in spring. Beaver were observed in all regions of the Study Area in insular Newfoundland. Only a single red fox was observed throughout surveys, in the Central and Eastern Newfoundland region, and there were three observations of snowshoe hare (one in each of the Central and Southeastern Labrador, Northern Peninsula, and Central and Eastern Newfoundland regions of the Study Area). Hereford cattle were also noted on the Avalon Peninsula.

Figures 3.16 through 3.19 show locations of other mammal observations recorded during surveys in the various regions of the Study Area.

Figure 3.16 Other Mammal Observations in the Central and Southeastern Labrador Region of the Study Area

Figure 3.17 Other Mammal Observations in the Northern Peninsula Region of the Study Area

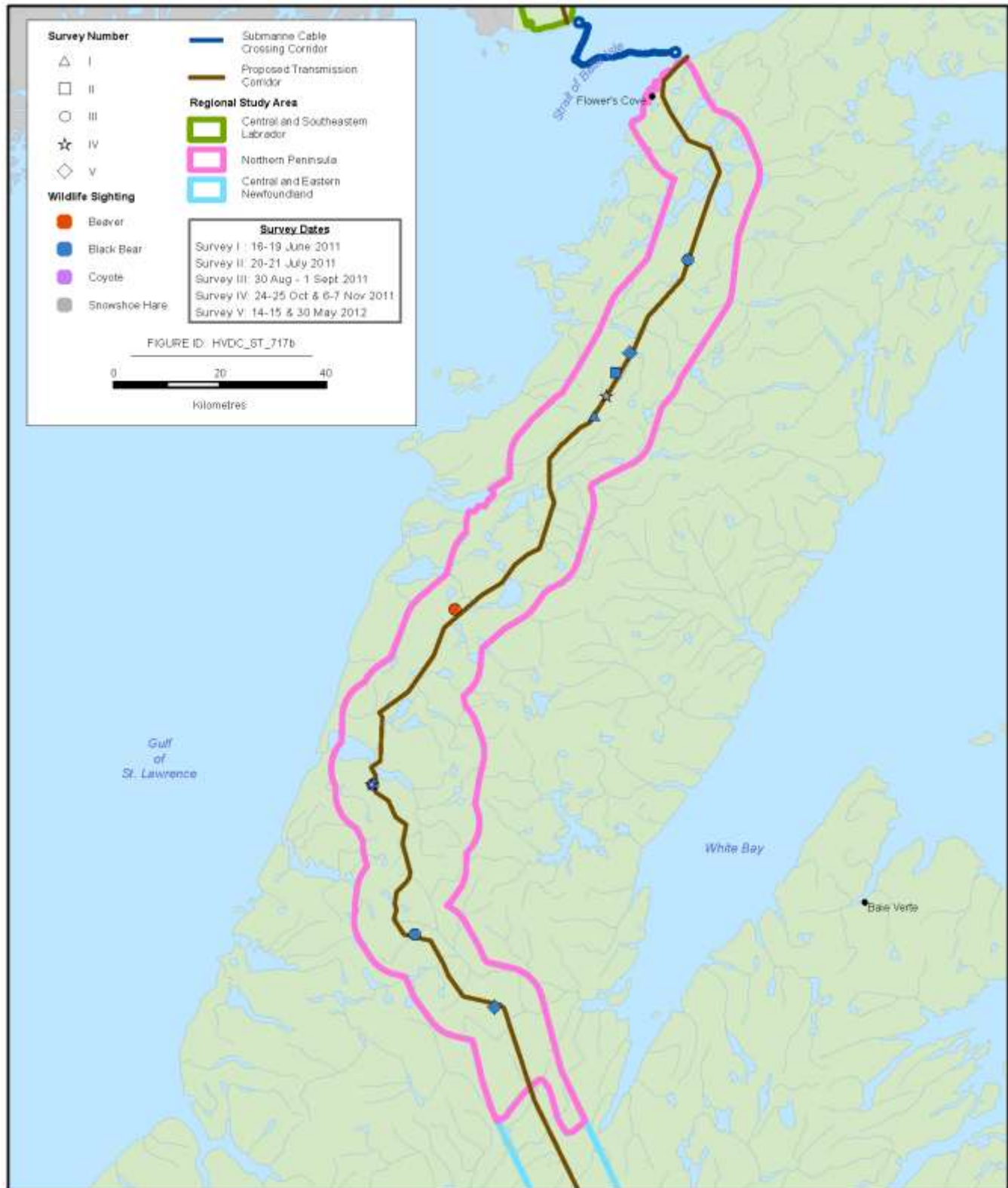


Figure 3.18 Other Mammal Observations in the Central and Eastern Newfoundland Region of the Study Area

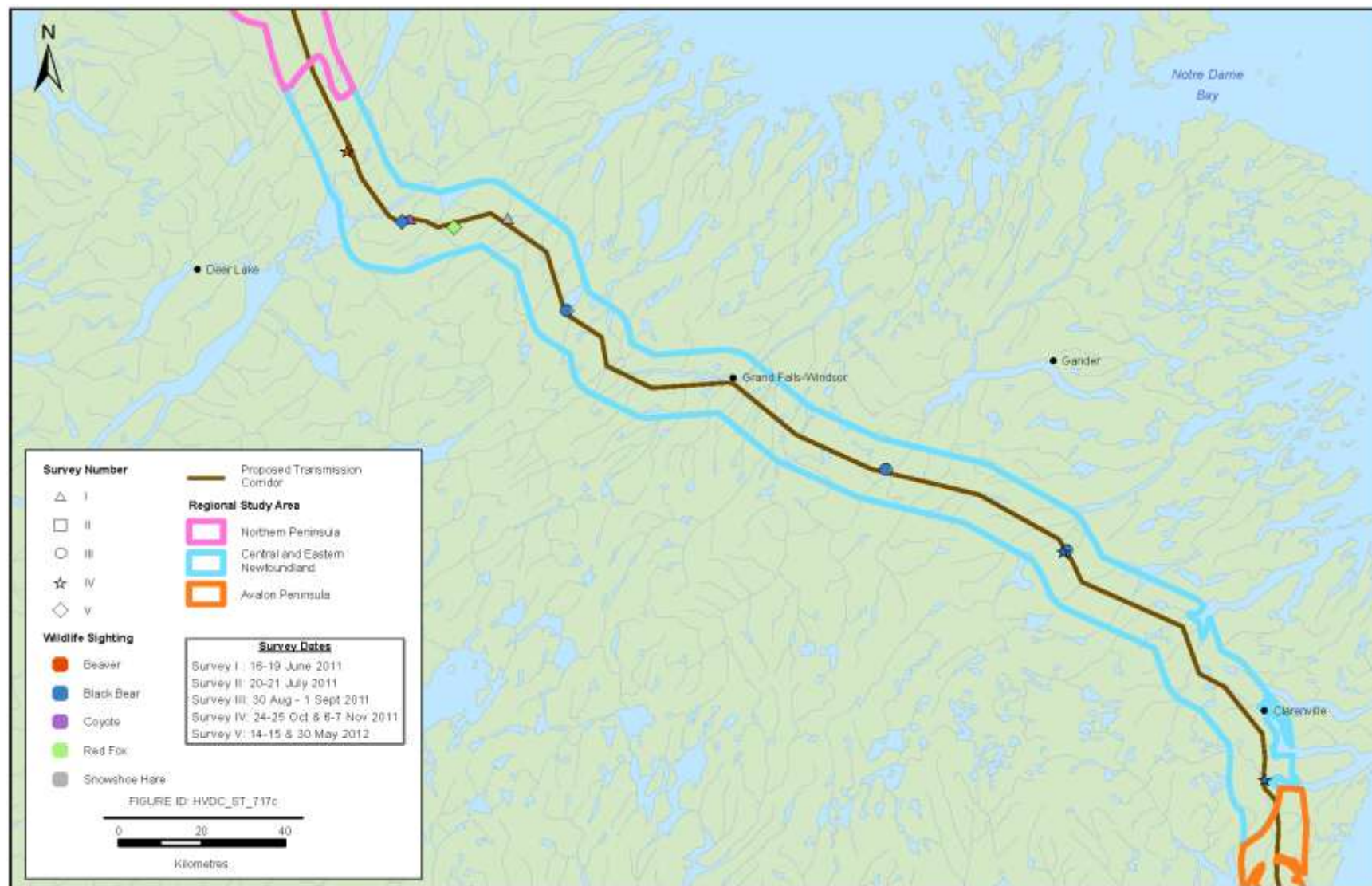
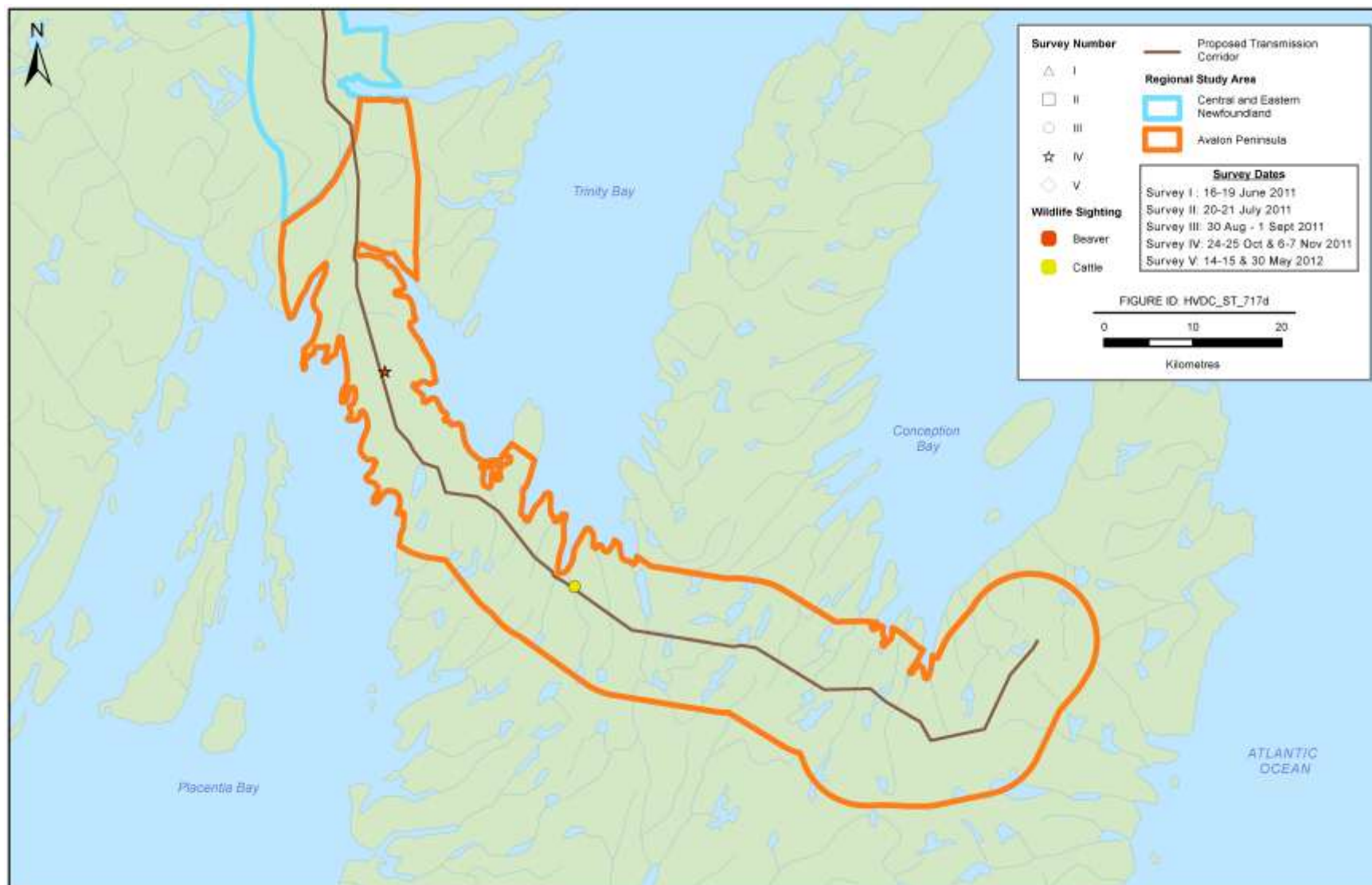


Figure 3.19 Other Mammal Observations in the Avalon Peninsula Region of the Study Area

3.2.5 Other Avifauna

Other avifauna observations included American Crow (*Corvus brachyrhynchos*), Common Raven (*Corvus corax*), Spruce Grouse (*Falcipennis canadensis*), Tree Swallow (*Tachycineta bicolor*), Herring Gull (*Larus smithsonianus*), Greater Black-backed Gull (*Larus marinus*), Greater Yellowlegs (*Tringa melanoleuca*), Belted Kingfisher (*Megaceryle alcyon*), Northern Waterthrush (*Parkesia noveboracensis*), Common Snipe (*Gallinago gallinago*), Gray Jay (*Perisoreus canadensis*), and unconfirmed species of ptarmigan (*Lagopus sp.*), passerines, shorebirds (including sandpiper), tern, and gulls. It was noted during the first survey in early summer that Spruce Grouse were likely still incubating eggs and males would be moulting at that time, owing to the low number of observations.

Figures 3.20 through 3.23 show locations of other avifauna observations recorded during surveys in the various regions of the Study Area.

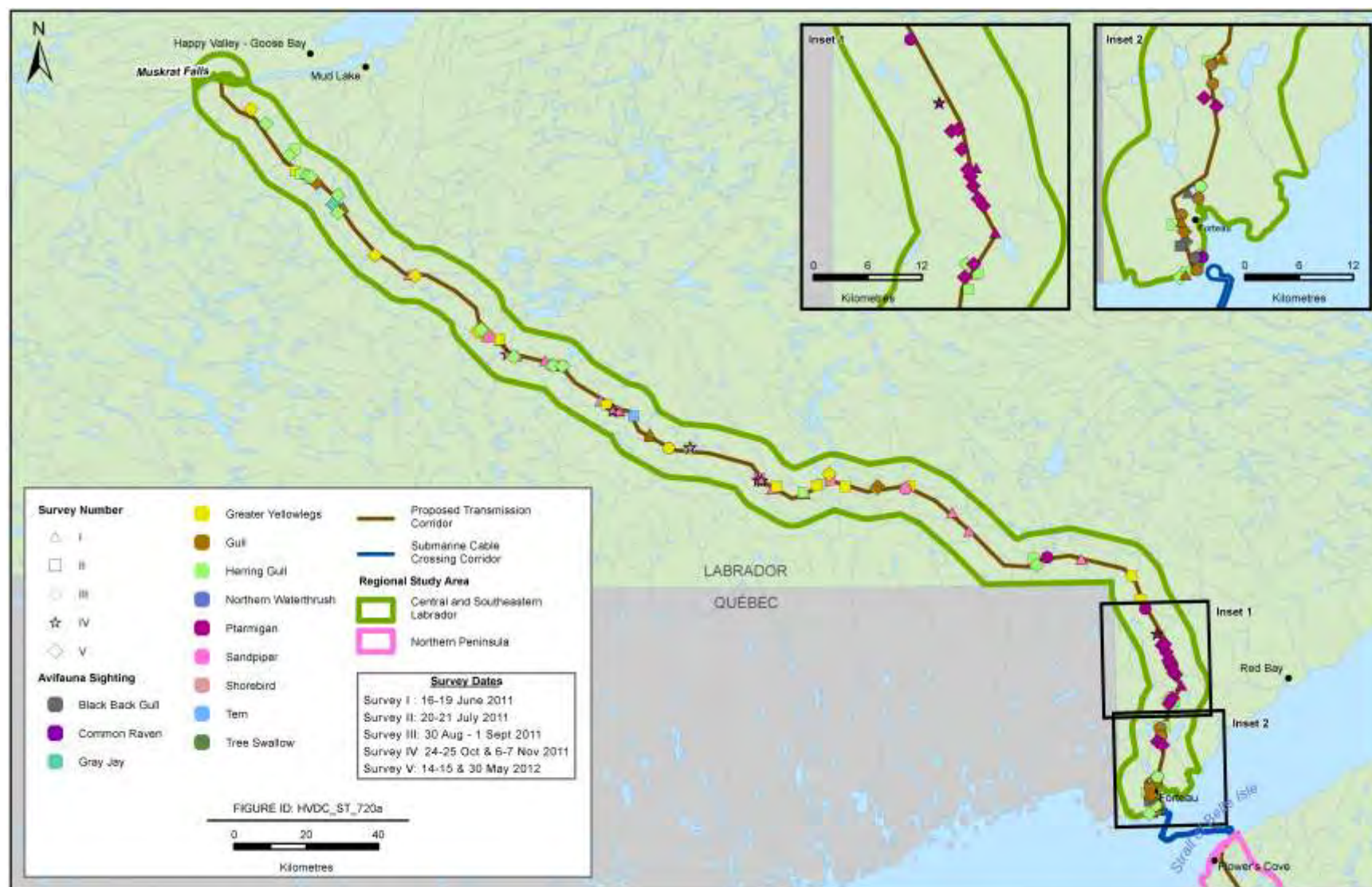
Figure 3.20 Other Avifauna Observations in the Central and Southeastern Labrador Region of the Study Area

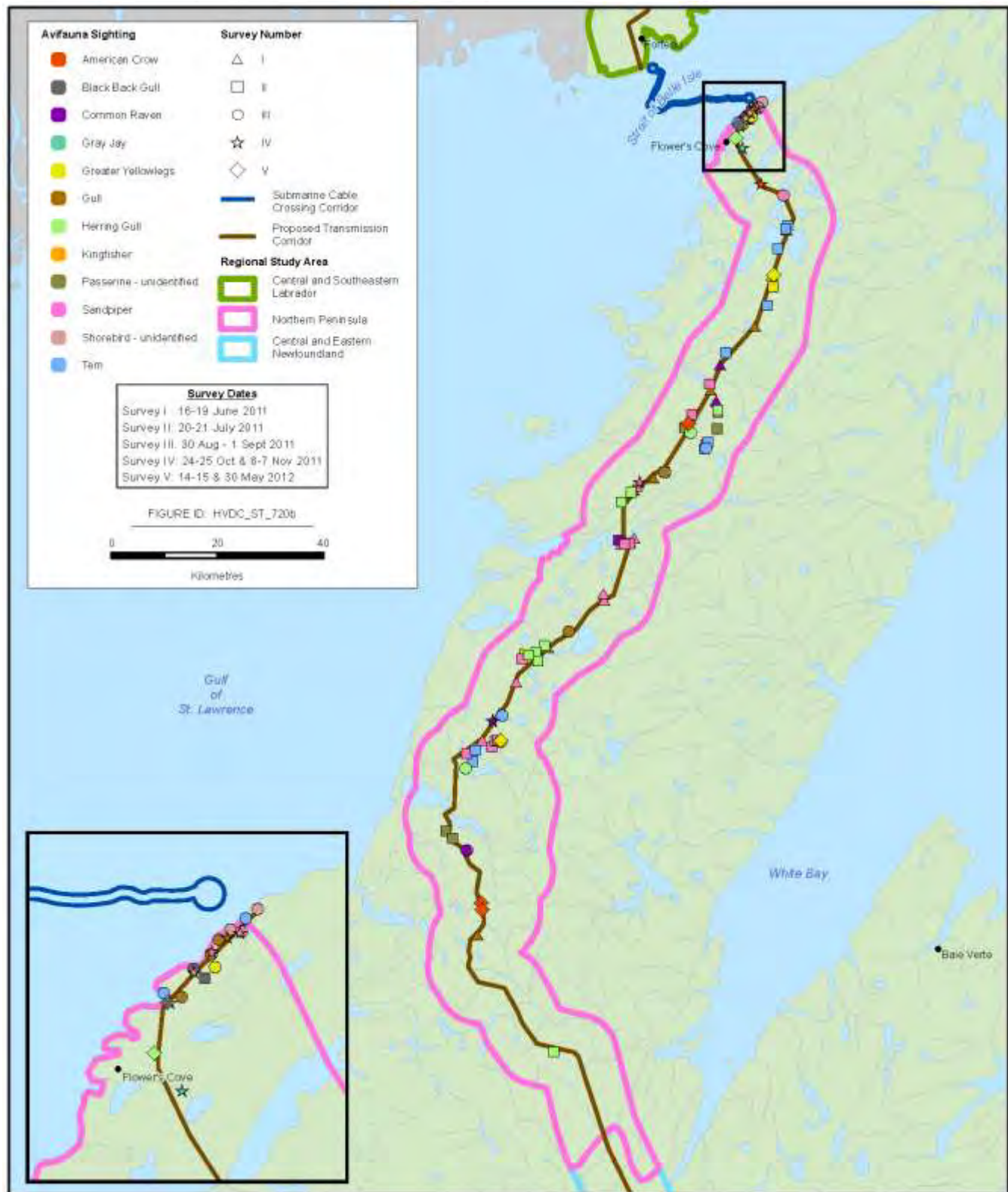
Figure 3.21 Other Avifauna Observations in the Northern Peninsula Region of the Study Area

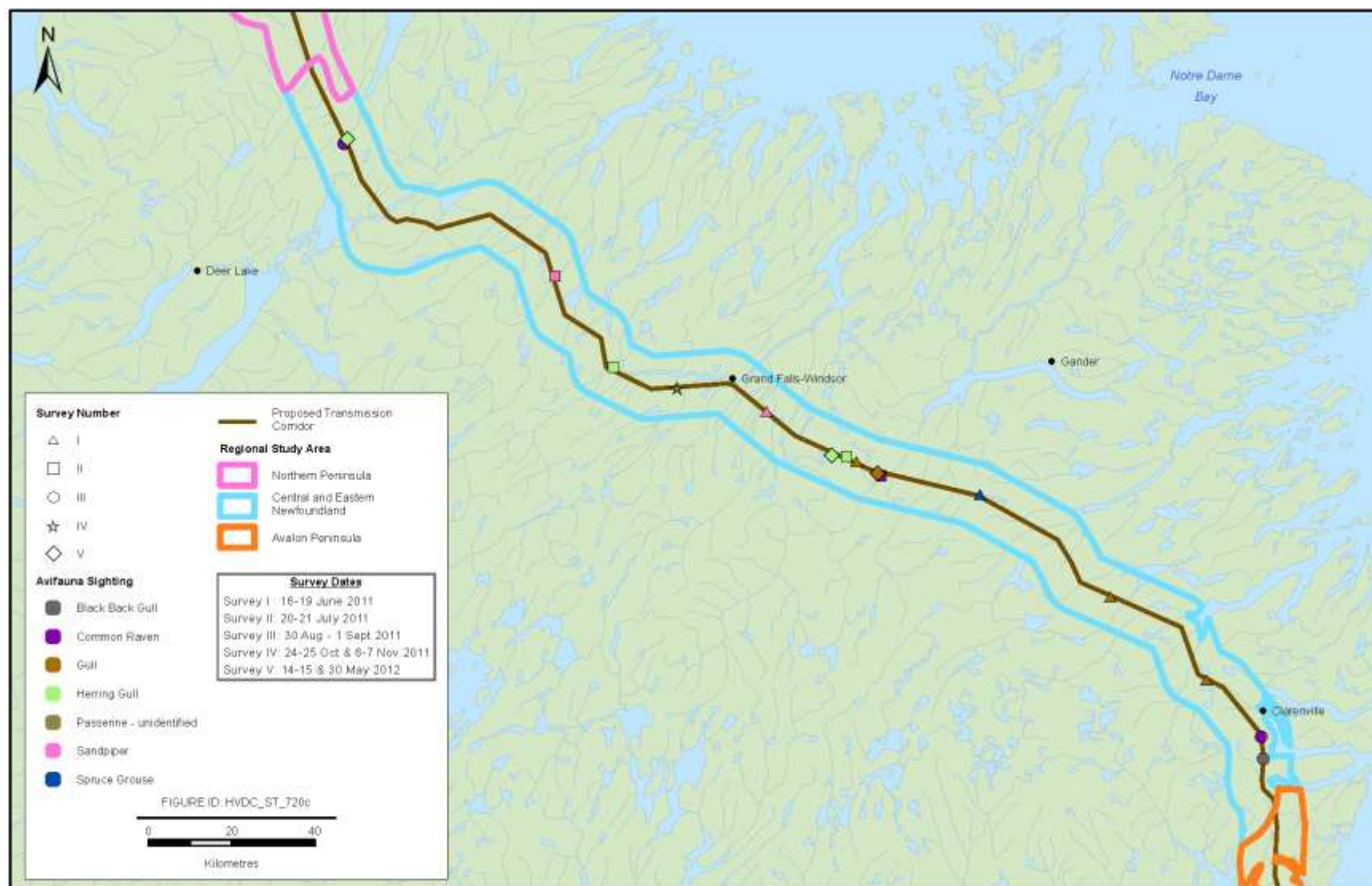
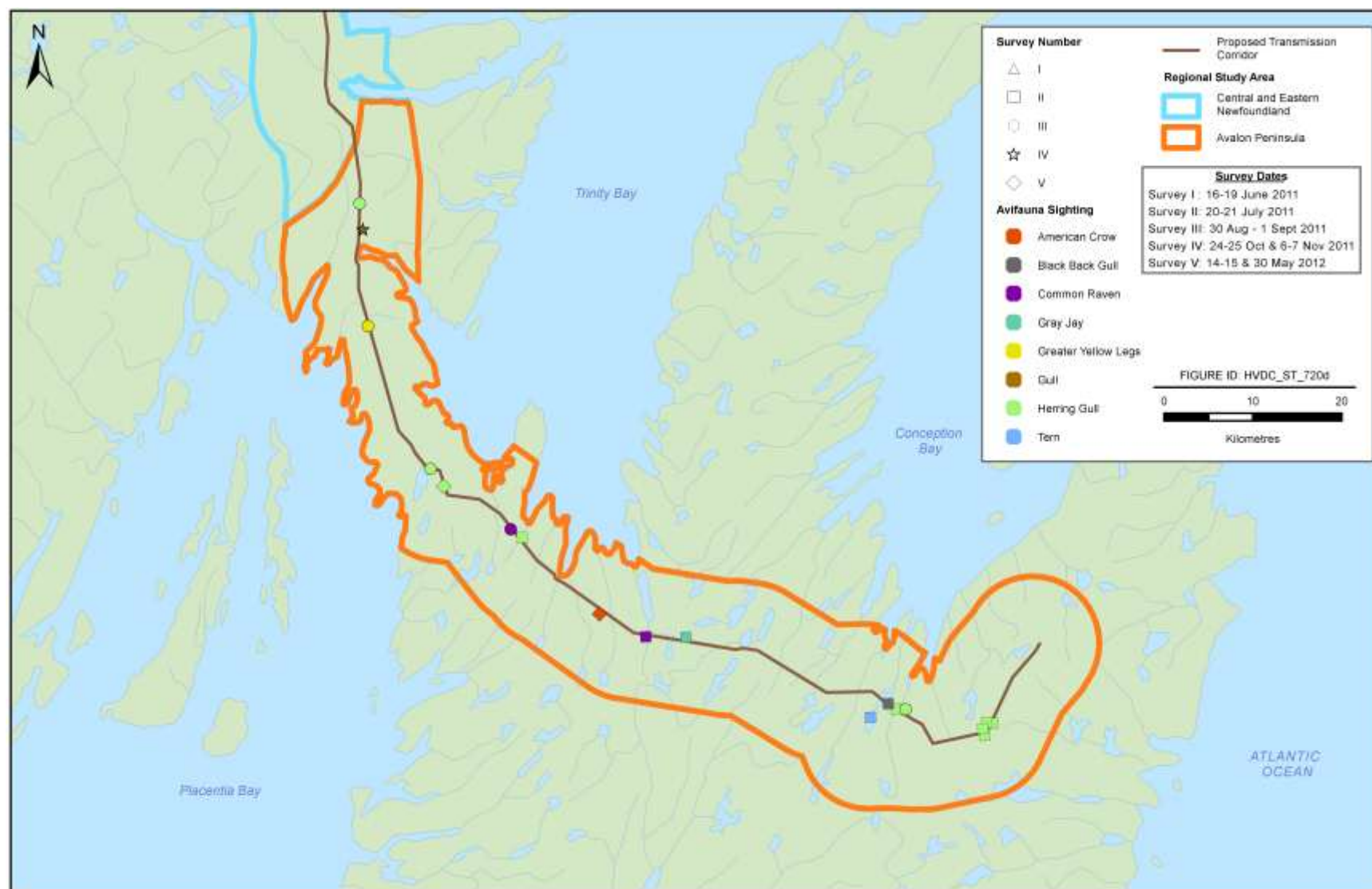
Figure 3.22 Other Avifauna Observations in the Central and Eastern Newfoundland Region of the Study Area

Figure 3.23 Other Avifauna Observations in the Avalon Peninsula Region of the Study Area



3.3 Static Features

Approximately 400 static features were identified. Static observations associated with wildlife were dominated by beaver lodges and dams (185 records), with 63 observations in Central and Southeastern Labrador (Figure 3.24), 42 on the Northern Peninsula (Figure 3.25), 54 in Central and Eastern Newfoundland (Figure 3.26), and 26 on the Avalon Peninsula (Figure 3.27) (Appendix C). Other static wildlife features included game trails, a muskrat lodge, several large mammal carcasses, and a den of unknown species. Other static features associated with anthropogenic activity included cabins (91), an old camp and one potential outfitter lodge, as well as quarries and/or associated activities (29), sawmills (2), three signs of trapping activity (e.g., trappers tilt, Labrador marten traps), a substation and one landfill (Figures 3.28 – 3.31). The location of a known, and rare, Red Pine (*Pinus resinosa*) stand was documented in the Central and Eastern Newfoundland region (Figure 3.30). This stand is protected by the West Brook Ecological Reserve, an 11 km² reserve located approximately 14 km southwest of Springdale.

Effort was focused at examination of beaver dams / lodges during Survey IV (mid-fall), for signs of activity. It was noted that, across all regions, approximately 45% of lodges or dams had indications of current use. The amount of use was fairly consistent among most regions (Central and Southeastern Labrador – 45%; Northern Peninsula – 42%; Central and Eastern Newfoundland – 52%), but was lower in the Avalon Peninsula region (36%).

As indicated in the methods, following each survey, the map folio (produced at a scale of 1:50,000) was updated to reflect any static feature of interest (See Appendix D). This map folio may be used for more detailed planning in association with the Project.

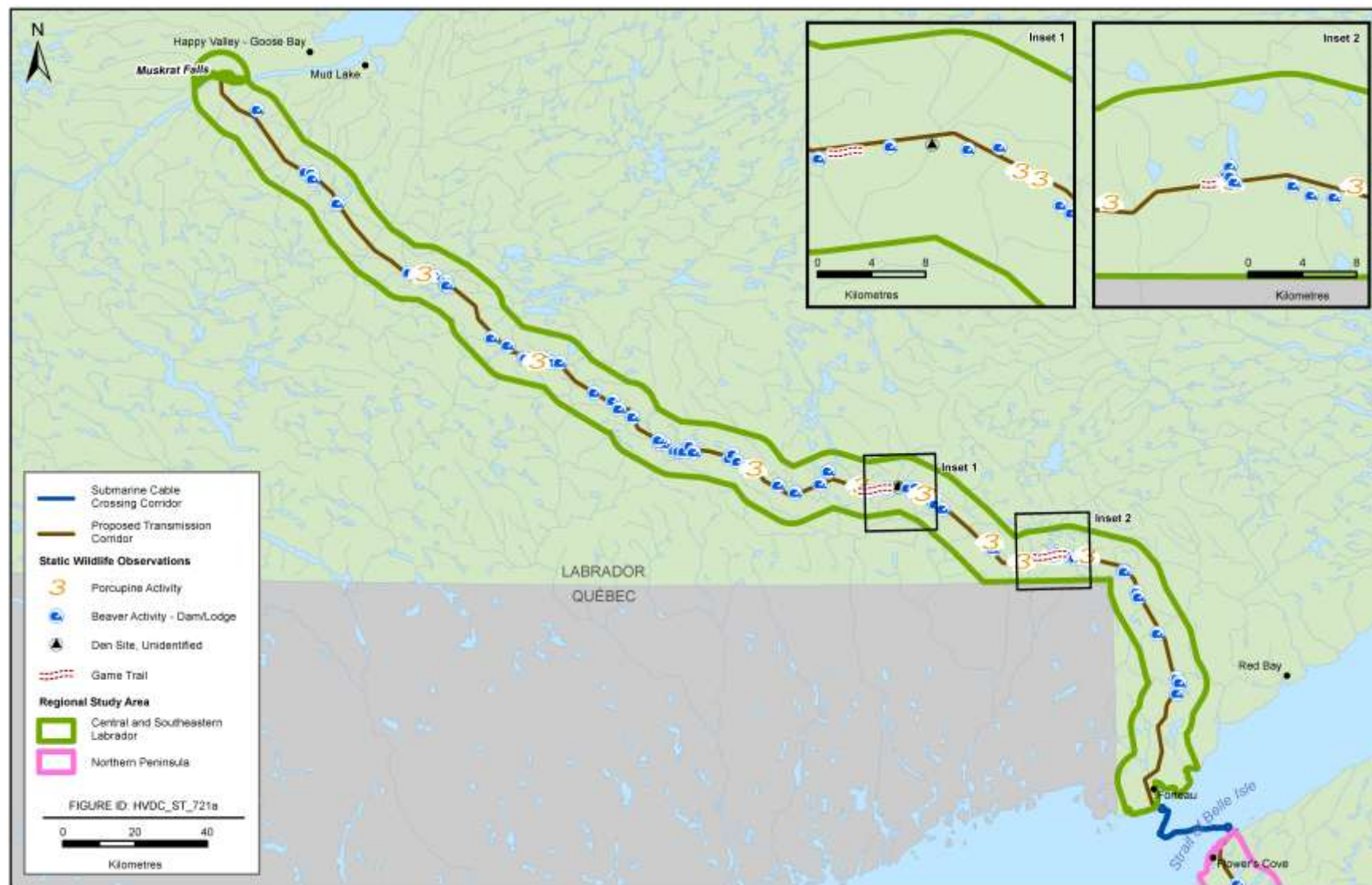
Figure 3.24 Static Wildlife Observations in the Central and Southeastern Labrador Region of the Study Area

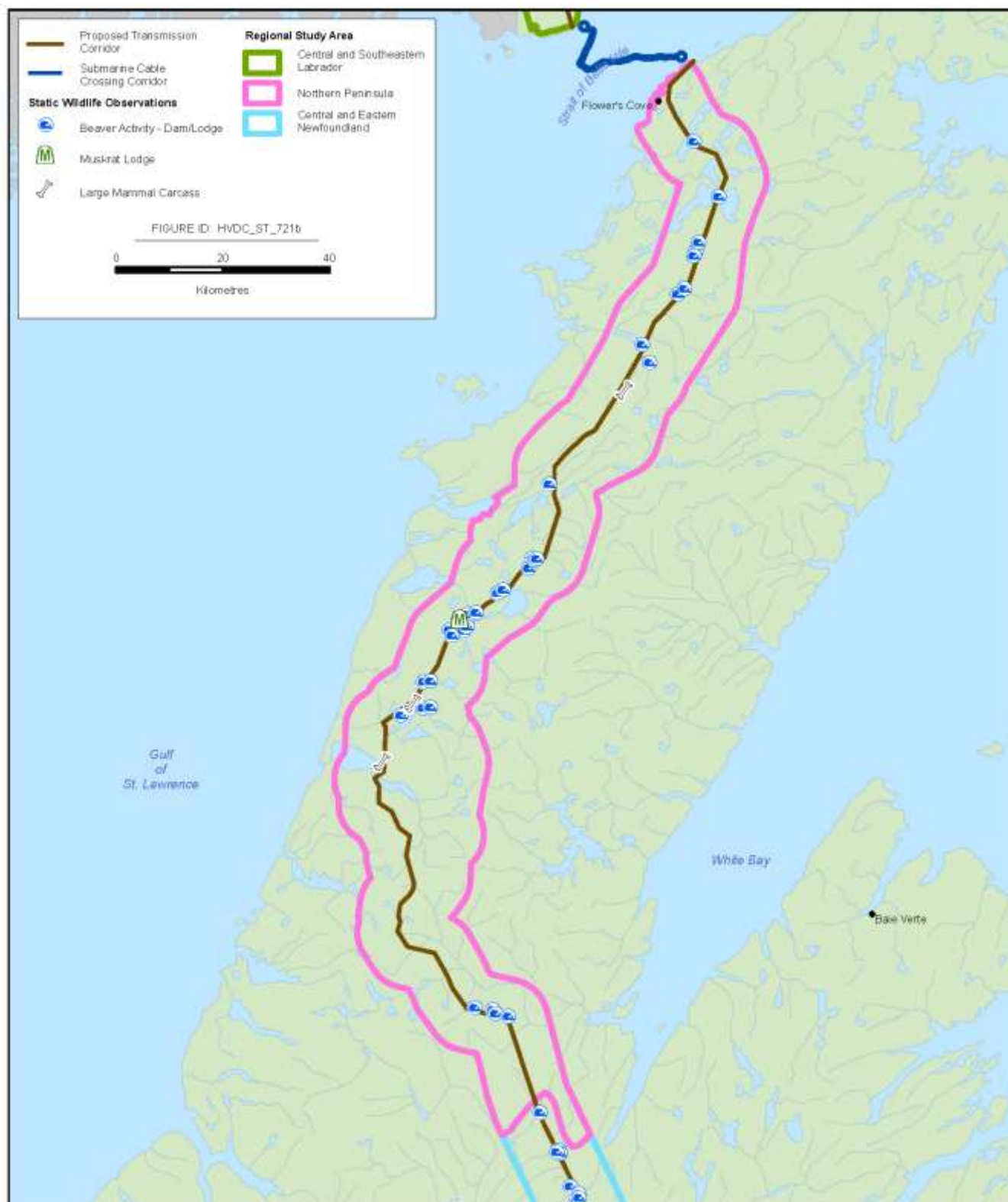
Figure 3.25 Static Wildlife Observations in the Northern Peninsula Region of the Study Area

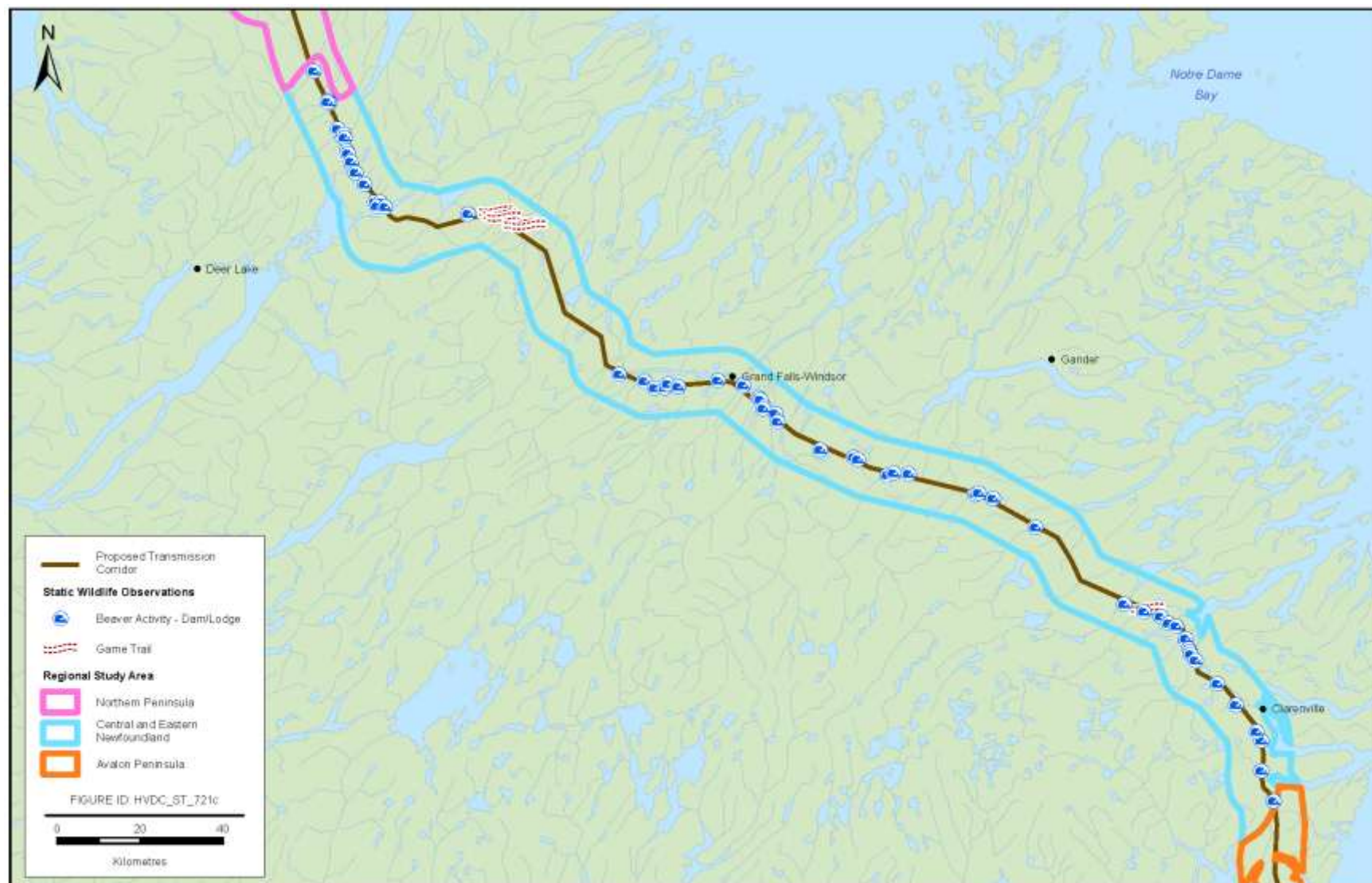
Figure 3.26 Static Wildlife Observations in the Central and Eastern Newfoundland Region of the Study Area

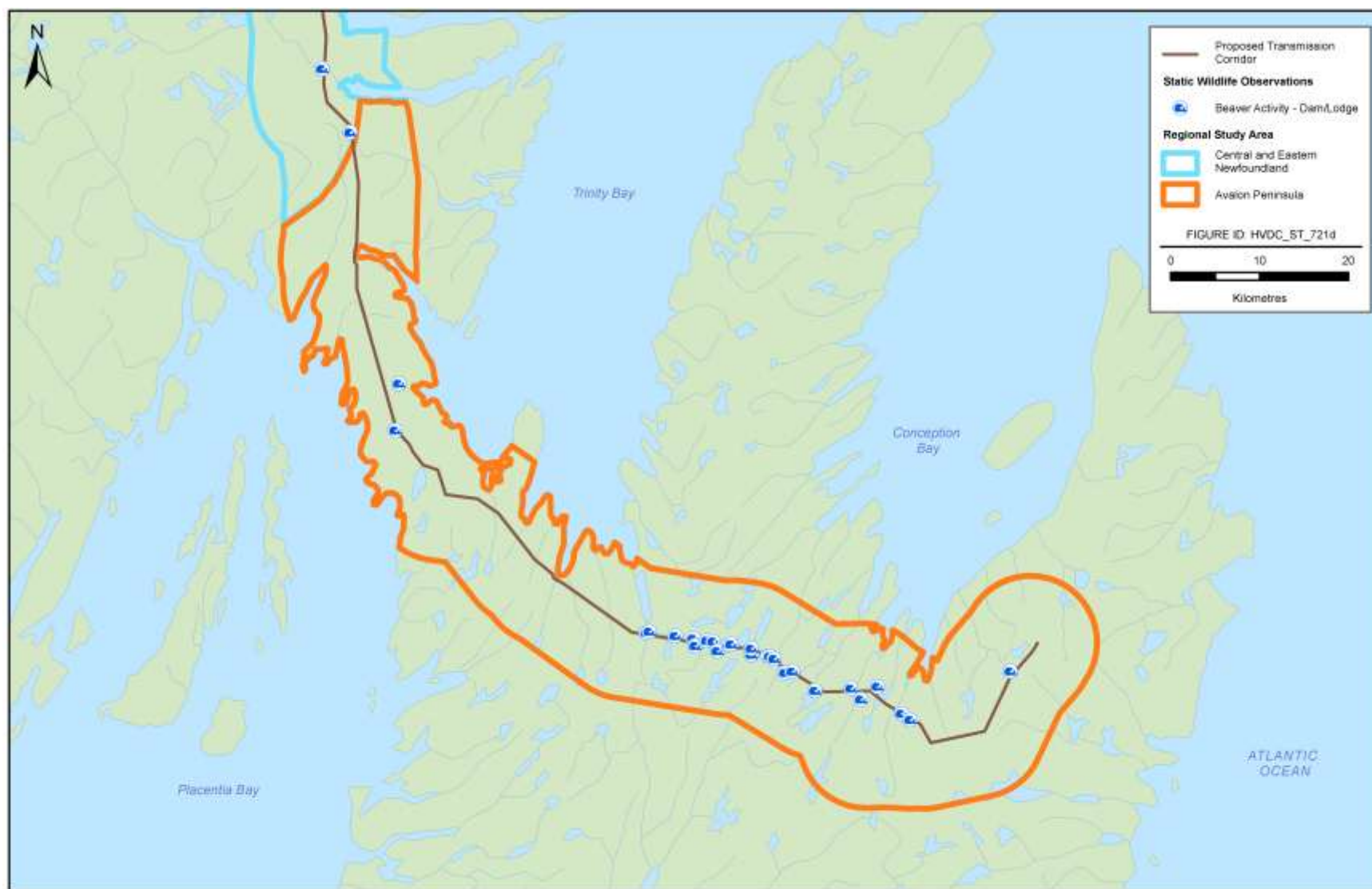
Figure 3.27 Static Wildlife Observations in the Avalon Peninsula Region of the Study Area

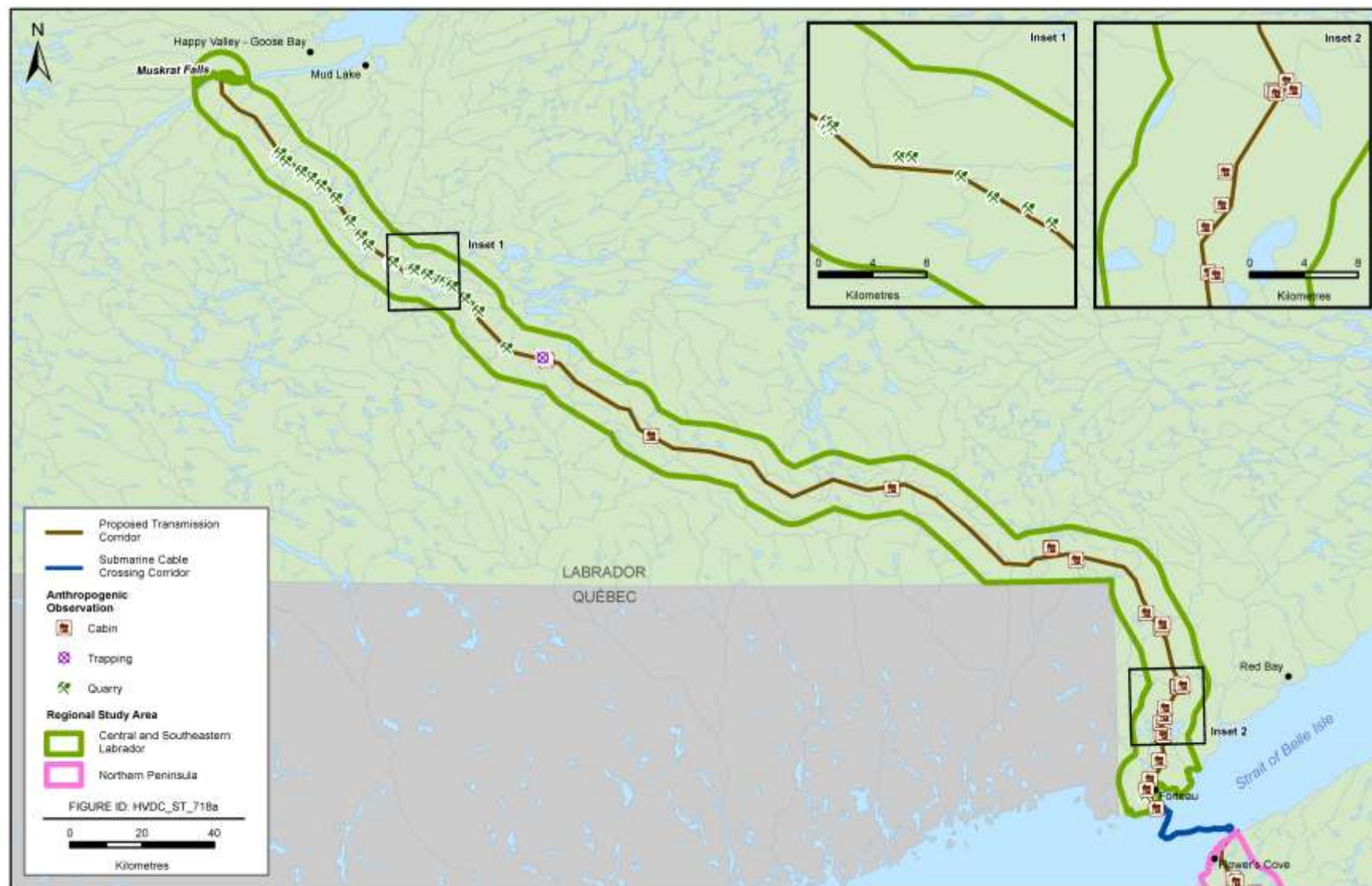
Figure 3.28 Other Static Features in the Central and Southeastern Labrador Region of the Study Area

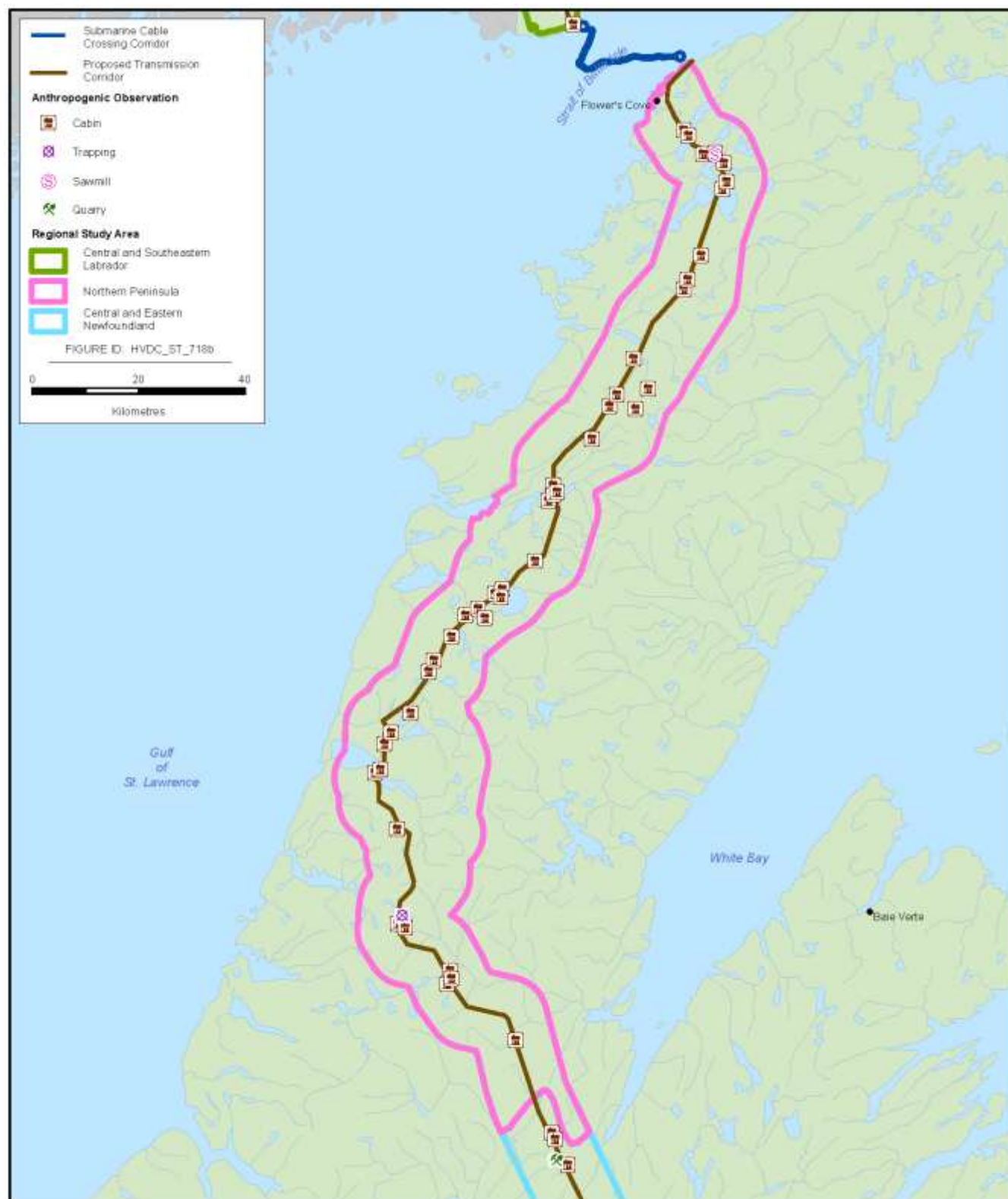
Figure 3.29 Other Static Features in the Northern Peninsula Region of the Study Area

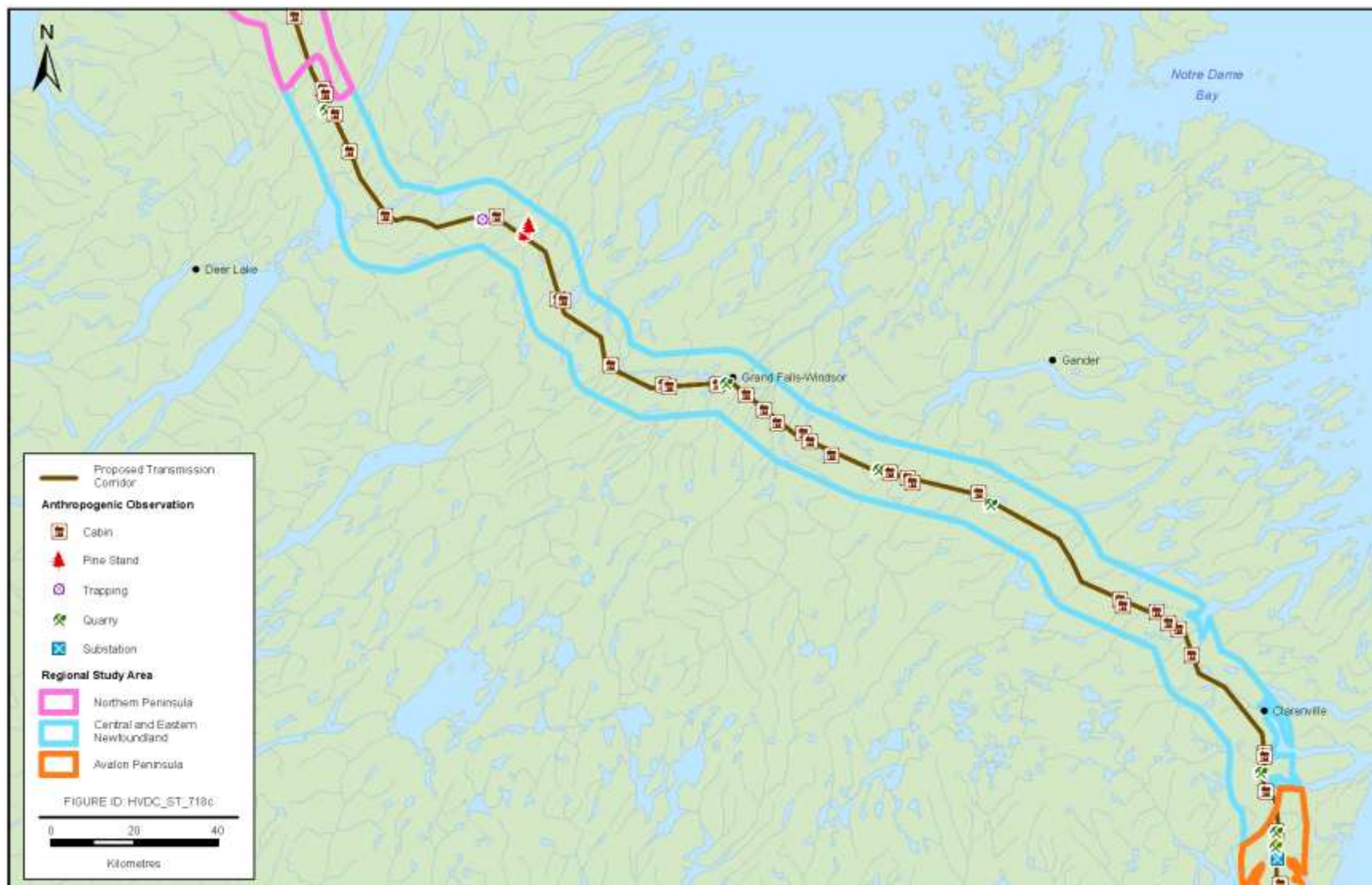
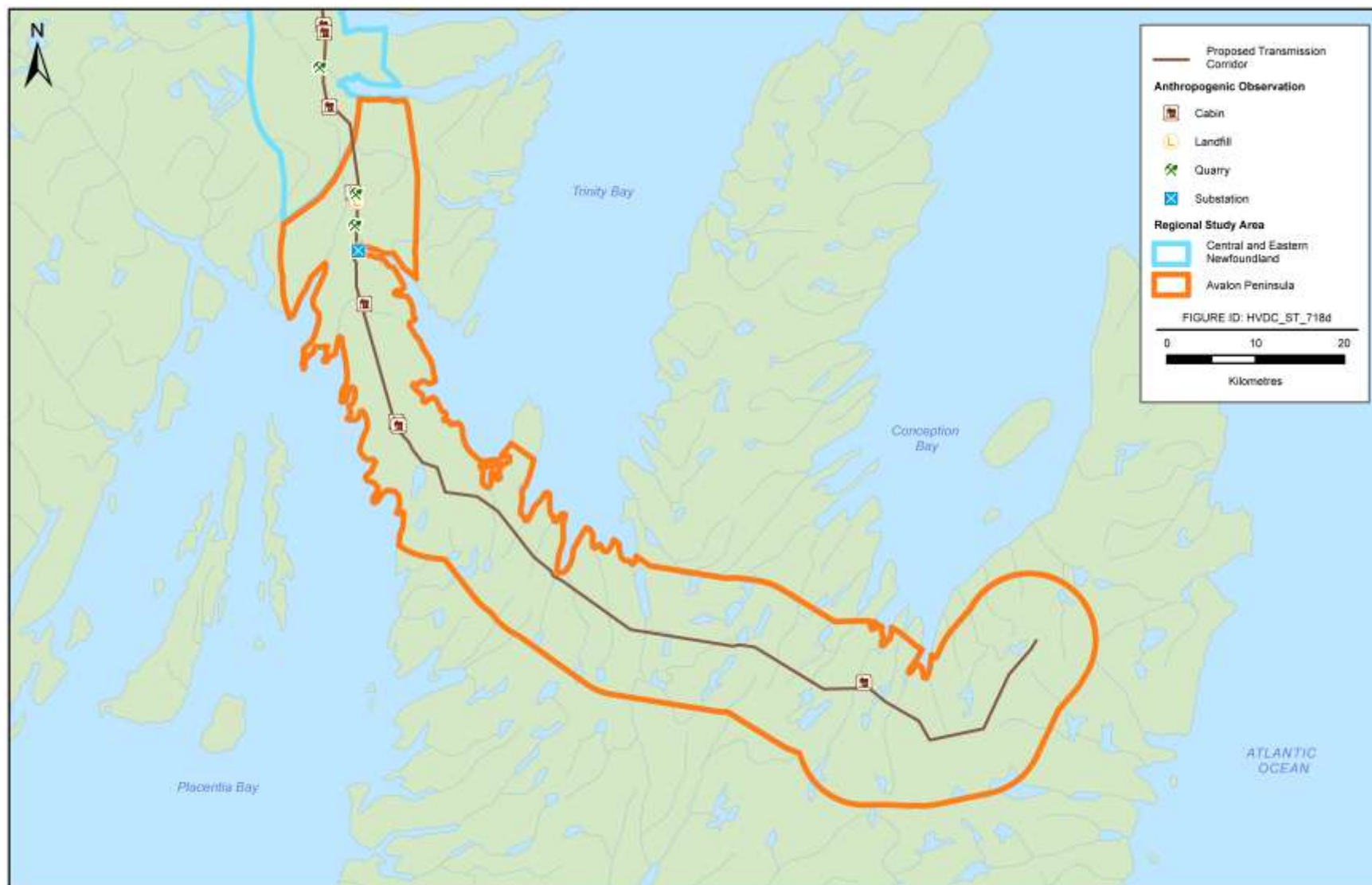
Figure 3.30 Other Static Features in the Central and Eastern Newfoundland Region of the Study Area

Figure 3.31 Other Static Features in the Avalon Peninsula Region of the Study Area

4.0 SUMMARY AND DISCUSSION

The Study Area for the Labrador-Island Transmission Link is comprised of four regions: Central and Southeastern Labrador, Northern Peninsula, Central and Eastern Newfoundland, and Avalon Peninsula. Aerial wildlife surveys were conducted along the 2 km wide Study Area to identify existing environmental conditions, based on observations of wildlife (mobile) and static features (e.g., osprey nests, cabins, quarries) documented over a series of five surveys from June 2011 to May 2012.

The information collected can be used as mitigation to inform temporal and spatial Project planning during construction and operations phases. The associated map folio of relevant static observations for this purpose are included with this report (See Appendix X).

4.1 Species at Risk and Habitats of Interest

Species protected under the federal *Species and Risk Act (SARA)* and the *Newfoundland and Labrador Endangered Species Act (NL ESA)* confirmed in the Study Area were Harlequin Duck and Short-eared Owl (both listed as Vulnerable under *NL ESA* and Special Concern under *SARA*), and woodland caribou in Labrador (herds listed as Threatened under *NL ESA* and *SARA*).

Harlequin Duck were observed on the upper reaches of the East River (one duckling unconfirmed) and on the Torrent River (adult pair), both on the Northern Peninsula. Observation of Harlequin Duck in this region are not unusual, as there are several known and historic breeding locations for this species on the Northern Peninsula (Thomas 2008), including the Torrent River (Goudie and Gilliland 2008; Stassinu Stantec 2010).

A single Short-eared Owl was observed flying over a wetland complex south of Catamaran Park. This species is known to occur in wetland (bog) and other (tundra, coastal barrens, sand dune, and field) habitats in the province, typically in coastal areas along the west coast and Northern Peninsula (Schmelzer 2005.). Observations of Short-eared Owl in the interior of central Newfoundland were not reported in the Management Plan for this species, although it was noted that “because Short-eared Owls track irruptions of small mammals over the landscape, the population trends, distribution and migratory patterns are difficult to monitor and hence poorly understood” (Schmelzer 2005). While nests of Short-eared Owls have been documented in the province, particularly in Labrador, most Short-eared Owls in Newfoundland are likely migrants (Schmelzer 2005). However, it is possible that a few birds may overwinter in the province (Schmelzer 2005).

Herd affiliation of woodland caribou observed in Labrador cannot be ascertained however the location of the four animals observed in the Study Area falls between, and south, of the documented range of the Mealy Mountains Herd and the Joir River subpopulation (Schmelzer et al. 2004; Jeffrey et al. 2006). While no caribou were recorded within the boundaries of these ranges, approximately 149 linear kilometers of the Study Area (based on the centerline of the 2 km wide transmission corridor) passes through the range of the Mealy Mountains Herd.

In addition to species protected under federal and/or provincial legislation or policies, potentially important waterfowl habitats were identified in southeastern Labrador on the St. Paul’s River System, and on the Northern Peninsula, including the Brien’s River, River of Ponds, and headwaters of the East River.

4.2 Other Wildlife and Static Observations

In general, the number and composition of species recorded in the Study Area was expected, given the nature and timing of surveys. That is, species of sufficient size to be detected using aerial survey methods, and present in the Study Area during the season surveyed, were expected. Wildlife (mammal) observations included moose, caribou, beaver, hare, porcupine, fox, and coyote. Avifauna observations included several species of waterfowl (Canada Goose, Common and Red-breasted Merganser, Ring-necked Duck, American Black Duck, Black Duck / Mallard hybrids, Common Goldeneye, Green-winged Teal, Scoter, Scaup, Common Loon, and Harlequin Duck), raptors (Osprey, Bald Eagle, Red-tailed Hawk, Rough-legged Hawk, Great-horned Owl, Northern Goshawk, Northern Harrier, and Short-eared Owl), and other species (American Crow, Common Raven, Spruce Grouse, Tree Swallow, Herring Gull, Greater Black-backed Gull, Greater Yellowlegs, Belted Kingfisher, Northern Waterthrush, Common Snipe, Gray Jay, and unconfirmed species of ptarmigan, passerines, shorebirds, tern, and gulls).

The typical static features recorded were the presence of beaver lodges and/or dams, with additional observations added with each successive survey. Approximately 45% of lodges or dams had signs of activity. Cabins were common in most regions of the Study Area, and quarries and/or associated activities were particularly common in the Central and Southeastern Labrador region.

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APPENDIX A

Field Team

Table A.1 Field Team for Survey I – 16-19 June 2011

Personnel	Position	Dates
Perry Trimper	Field Team Leader – Front Navigator / Observer	16-19 June 2011
Sean Bennett	Starboard Rear Observer – Nomad and GPS Operator	16-19 June 2011
Bruce Turner	Port Rear Observer	16-19 June 2011
Neal Rose	Pilot	16-19 June 2011

Table A.2 Field Team for Survey II – 20-22 July 2011

Personnel	Position	Dates
Sean Bennett	Field Team Leader – Front Navigator / Observer on southern route. Port Observer on northern route. Nomad and GPS Operator	20-22 July 2011
Bruce Turner	Starboard Rear Observer on southern route. Navigator and Front Observer on northern route.	20-22 July 2011
Mary Ann Aylward	Port Rear Observer on southern route. Starboard Rear Observer on northern route	20-22 July 2011
Peter Jefford	Pilot	20-22 July 2011

Table A.3 Field Team for Survey III – 30 August – 1 September 2011

Personnel	Position	Dates
Sean Bennett	Field Team Leader – Front Navigator / Observer on northern route from Soldiers Pond to Hampden (Km 440). Port observer on northern route from Deer Lake to Muskrat Falls. Front Navigator / Observer on southern route. Nomad and GPS Operation	30 August - 1 September 2011
Bruce Turner	Starboard Rear Observer on northern route from Soldiers Pond to Hampden (Km 440). Front Navigator / Observer on northern route from Deer Lake to Muskrat Falls. Starboard Rear Observer on southern route.	30 August - 1 September 2011
Mary Ann Aylward	Port Rear Observer on southern and northern routes.	30 August - 1 September 2011
Lorne Pike	Pilot	30 August - 1 September 2011

Table A.4 Field Team for Survey IV – 24-25 October and 6-7 November 2011*

Personnel	Position	Dates
Labrador Portion		
Sean Bennett	Field Team Leader – Front navigator / observer / data recorder. Nomad and GPS operator	24-25 October 2011
Tina Newbury	Starboard rear observer / data recorder	24-25 October 2011
Aaron Cushing	Port photographer / observer	24-25 October 2011
Christa Glover	Pilot	24-25 October 2011
Newfoundland Portion		
Sean Bennett	Field Team Leader – Front navigator / observer / data recorder. Nomad and GPS operator	6-7 November 2011
Tina Newbury	Port rear observer / data recorder	6-7 November 2011
Bruce Turner	Starboard rear observer / data recorder	6-7 November 2011
Lorne Pike	Pilot	6-7 November 2011

* Due to weather, the survey was split into two portions with different survey crews, although some observers participated in both portions.

Table A.5 Field Team for Survey V – 14-15 May and 30 May 2012*

Personnel	Position	Dates
Island Portion		
Sean Bennett	Field Team Leader – Front navigator / observer / data recorder. Nomad and GPS operator	14-15 May 2012
Bruce Turner	Starboard rear observer / data recorder	14-15 May 2012
Tina Newbury	Port rear observer / data recorder	14-15 May 2012
Chris Gosse	Pilot	14-15 May 2012
Labrador Portion		
Sean Bennett	Field Team Leader – Front navigator / observer / data recorder. Nomad and GPS operator	30 May 2012
Bruce Turner	Starboard rear observer / data recorder	30 May 2012
Tina Newbury	Port rear observer / data recorder	30 May 2012
Neil Rose	Pilot	30 May 2012

* Due to the timing of waterfowl breeding activities along the latitudinal range of the survey line, the survey was split into two portions consisting of the same survey crew with different pilots.

APPENDIX B

Survey Route and Weather Conditions

Table B-1 Route and Weather Conditions during Survey I – 16-19 June 2011

Date	Route	Weather	Comments
16 June	Muskrat Falls – Forteau (fuel) – Main River (Km 585) - overnight Deer Lake (fuel) – 6.4 hrs	Cloudy, 13° C turning overcast on Northern Peninsula, low fog, 6° C and drizzle at Main River	Centre line transect until low ceiling fog at Main River and could not continue with survey, had to abort and end at Deer Lake
17 June	Deer Lake (Km 635) – Grand Falls (fuel) – overnight Clarenville – 4.6 hrs	Overcast, 6° C, low ceiling alternating, 9° C	Centre line transect where possible although low ceiling caused diversions, could not continue with survey, had to abort at Clarenville
18 June	Clarenville – Grand Falls (fuel) – (Km 608) – Deer Lake (fuel) – overnight Forteau – 6.7 hrs	Overcast, 5° C, low ceiling alternating, 8° C	Transect diversions again related to visibility problems; went south to Deer Lake, up west coast, could finally get on line at Brian's Pond (Km 535)
19 June	Forteau (fuel – mechanical break down)	Low ceiling 3° C, 40 kph SE winds	Ignition switch gone on A/C, had to await engineer from Goose Bay, repairs, before completing return flexible transect to Muskrat Falls

Table B-2 Route and Weather Conditions during Survey II – 20-22 July 2011

Date	Route	Weather	Comments
20 July	Muskrat Falls – Forteau (fuel) – Sop's Arm (fuel)- Grand Falls (fuel)—St. John's (overnight) –8.1 hrs	Clear sky and light winds. Temperature 20° C degrees, winds light.	Excellent survey conditions except for fog at the Isthmus of Avalon. Constant speed and altitude along a constant line south of the apex center line from Muskrat Falls to Soldier's Pond except Avalon Isthmus portion where low ceiling resulted in no coverage from Come- By-Chance to Chapel Arm.
21 July	St. John's – Grand Falls (fuel) – Deer Lake (fuel) - Port Saunders (fuel) - Forteau (fuel) - Traverspine River – overnight in Goose Bay – 10.4 hrs.	High broken cloud except fog near Isthmus of Avalon. Blue sky and clear for remainder of survey area. Temperature from 15 to 20° C degrees. Winds light but increased along Northern Peninsula and reaching 20 knots from Forteau to Goose Bay.	Excellent survey conditions except for fog at Isthmus of Avalon, wind compromised efficiency in Labrador upon return on northern route. Constant speed and altitude were maintained in areas of homogeneous habitat. However, the route was adjusted to enhance coverage on wetlands and along drainages, except for the Avalon Isthmus portion where low ceiling necessitated a deviation thereby resulting in no coverage from Bellevue to Come By Chance. However, along entire survey route, known or suspected important areas for breeding Harlequin Ducks, and breeding and moulting waterfowl generally were surveyed intensively.
22 July	Goose Bay - Traverspine River - Muskrat Falls - Goose Bay – 0.7 hrs.	Clear sky. Winds 20 knots.	Good visibility although winds were strong. Adjacent portion of Traverspine River surveyed for Harlequin Duck broods.

Table B-3 Route and Weather Conditions during Survey III – 30 August – 1 September 2011

Date	Route	Weather	Comments
30 Aug	Muskrat Falls – Forteau (fuel) – Pasadena (overnight)	Cloudy and light winds in Labrador. Light winds and clear sky on Northern Peninsula.	Low cloud and a light tailwind were experienced from Muskrat Falls to Forteau. Near Forteau winds diminished and the sky cleared. Survey conditions ranged from good in Labrador to excellent on the Northern Peninsula.
31 Aug	Pasadena - Grand Falls (fuel) – St. John's (fuel) – Grand Falls (fuel) Pasadena (fuel)	Clear sky and calm conditions from Pasadena to the Avalon Peninsula where skies remained clear but winds increased a little. Intermittent showers from Grand Falls to Dawes Pond on the return trip.	Excellent survey conditions prevailed across the entire survey route with the exception of a small area from Grand Falls to Dawes Pond. Calm conditions throughout the second day enhanced waterbird detection.
1 Sept	Pasadena – St. Anthony (fuel) Forteau (fuel) - Goose Bay (fuel) – Goose Bay	Clear sky. Light winds increasing somewhat between Forteau and Goose Bay. Ground fog precluded coverage of a short section south of Hampden.	Survey conditions were excellent on this leg of the survey.

Table B-4 Route and Weather Conditions during Survey IV – 24-25 October and 6-7 November 2011

Date	Route	Weather	Comments
24-25 Oct	Muskrat Falls – Forteau (fuel) – Km 375 before survey was cancelled due to low cloud cover and fog - 3.25 hrs	Not ideal due to low cloud cover out of Goose Bay which resulted in beginning the survey at Km 30. Conditions improved for the majority of this section but as we neared the coast fog became somewhat of an issue.	The last 10 km of the line near Forteau were not completed on the 24 Oct. The return survey on 25 Oct began at the terminus of the line at the straight of Belle Isle but only completed 20 km before canceling the return portion of the survey.
6 Nov	Pasadena - Grand Falls (fuel) – St. John's (fuel) – Grand Falls (fuel) – Pasadena – 7.1 hrs	Cloud cover throughout the day. Winds 20-30 kmph for much of the day but increased to 30-40 kmph late in the day.	Survey conditions were fair in the morning owing to flat light but improved to good as the day progressed.
7 Nov	Pasadena – Shoal Cove - St. Anthony (fuel) - Pasadena - 5.6 hrs	Clear sky. Light winds throughout the day.	Survey conditions were excellent on this leg of the survey.

Table B-5 Route and Weather Conditions during Survey V – 14-15 May and 30 May 2012

Date	Route	Weather	Comments
Island Portion			
14 May	Pasadena – Shoal Cove- St. Anthony (fuel) and return - 6.1 hrs. Grand Falls (fuel) – St. John’s (fuel) – Grand Falls (fuel) – Pasadena – 7.1 hrs.	Winds light (W 5 km/h) across survey region except in coastal region near Shoal Cove where winds were gusting W 20-25 km/h. Sky clear for entire survey.	Other than a short section near Shoal Cove where winds may have reduced detection of waterbirds, the entire route was characterized by excellent conditions and a quality survey was conducted.
15 May	Pasadena – Grand Falls (fuel) - St. John’s (fuel) - Grand Falls (fuel) - Pasadena - 7.8 hrs.	Clear sky. Light winds (NE 5 km/h) throughout the day except near the eastern terminus where winds speeds increased to 15 km/h.	Survey conditions were excellent and a quality survey was conducted.
Labrador Portion			
30 May	Muskrat Falls – Forteau (fuel) and return - 6.6 hrs.	Light winds (N 5 km/h) throughout the survey region. Sky clear across the region except some high cloud in the highlands north of Forteau.	Survey conditions were ideal and a quality survey was conducted.

APPENDIX C

Aerial Wildlife Survey Observations

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	17-JUN-11 12:33:11PM	49.41	-56.94	Caribou	1	1						34 of 56	C and E NF	Caribou
I	17-JUN-11 12:38:46PM	49.39	-56.90	Caribou	1	1						34 of 56	C and E NF	Caribou
I	18-JUN-11 12:12:42PM	49.26	-56.60	Caribou	1	1						35 of 56	C and E NF	Caribou
I	17-JUN-11 12:57:22PM	49.28	-56.57	Caribou	1	1						36 of 56	C and E NF	Caribou
I	17-JUN-11 1:02:54PM	49.29	-56.47	Caribou	1	1						36 of 56	C and E NF	Caribou
I	17-JUN-11 1:22:39PM	49.28	-56.40	Caribou	1	1						36 of 56	C and E NF	Caribou
I	17-JUN-11 1:33:30PM	49.24	-56.27	Caribou	1	1						36 of 56	C and E NF	Caribou
I	17-JUN-11 1:34:01PM	49.23	-56.26	Caribou	1	1						36 of 56	C and E NF	Caribou
I	17-JUN-11 1:34:56PM	49.22	-56.25	Caribou	1	1						36 of 56	C and E NF	Caribou
I	18-JUN-11 12:07:48PM	49.28	-56.50	Caribou	1	1						36 of 56	C and E NF	Caribou
I	17-JUN-11 1:36:11PM	49.19	-56.27	Caribou	1	1						37 of 56	C and E NF	Caribou
I	17-JUN-11 1:36:53PM	49.18	-56.27	Caribou	1	1						37 of 56	C and E NF	Caribou
I	18-JUN-11 11:50:13AM	49.05	-56.18	Caribou	1	1						38 of 56	C and E NF	Caribou
I	17-JUN-11 2:29:03PM	48.85	-55.54	Caribou	1	1						41 of 56	C and E NF	Caribou
I	18-JUN-11 10:57:32AM	48.79	-55.43	Caribou	1		1					41 of 56	C and E NF	Caribou
I	18-JUN-11 11:01:53AM	48.84	-55.55	Caribou	1	1						41 of 56	C and E NF	Caribou
I	17-JUN-11 2:36:58PM	48.76	-55.33	Caribou	1	1						42 of 56	C and E NF	Caribou
I	17-JUN-11 2:38:15PM	48.75	-55.30	Caribou	1	1						42 of 56	C and E NF	Caribou
I	18-JUN-11 10:52:13AM	48.74	-55.27	Caribou	1	1						42 of 56	C and E NF	Caribou
I	17-JUN-11 2:49:14PM	48.68	-54.98	Caribou	1	1						43 of 56	C and E NF	Caribou
I	18-JUN-11 10:34:00AM	48.61	-54.75	Caribou	1	1						44 of 56	C and E NF	Caribou
I	18-JUN-11 10:36:19AM	48.63	-54.81	Caribou	1	1						44 of 56	C and E NF	Caribou
I	18-JUN-11 10:36:27AM	48.63	-54.81	Caribou	1	1						44 of 56	C and E NF	Caribou
I	18-JUN-11 10:27:35AM	48.53	-54.60	Caribou	1	1						45 of 56	C and E NF	Caribou
I	18-JUN-11 10:12:19AM	48.40	-54.29	Caribou	1	1						46 of 56	C and E NF	Caribou
I	18-JUN-11 10:18:47AM	48.44	-54.45	Caribou	1	1						46 of 56	C and E NF	Caribou
I	18-JUN-11 10:19:24AM	48.45	-54.45	Caribou	1	1						46 of 56	C and E NF	Caribou
I	18-JUN-11 10:19:37AM	48.45	-54.45	Caribou	1	1						46 of 56	C and E NF	Caribou
I	18-JUN-11 10:20:14AM	48.46	-54.47	Caribou	1	1						46 of 56	C and E NF	Caribou
I	17-JUN-11 11:33:47AM	49.48	-56.97	Caribou	2	2						34 of 56	C and E NF	Caribou
I	18-JUN-11 11:56:42AM	49.17	-56.27	Caribou	2	1				1		37 of 56	C and E NF	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	18-JUN-11 12:00:21PM	49.23	-56.33	Caribou	2	2						37 of 56	C and E NF	Caribou
I	18-JUN-11 10:11:41AM	48.39	-54.28	Caribou	2	2						46 of 56	C and E NF	Caribou
I	17-JUN-11 3:21:04PM	48.39	-54.34	Caribou	2	2						47 of 56	C and E NF	Caribou
I	18-JUN-11 12:22:47PM	49.35	-56.87	Caribou	3	2				1		34 of 56	C and E NF	Caribou
I	18-JUN-11 11:58:37AM	49.21	-56.28	Caribou	3	2				1		37 of 56	C and E NF	Caribou
I	18-JUN-11 10:22:14AM	48.44	-54.52	Caribou	3	3						46 of 56	C and E NF	Caribou
I	17-JUN-11 3:19:38PM	48.39	-54.31	Caribou	3	3						47 of 56	C and E NF	Caribou
I	17-JUN-11 1:05:56PM	49.29	-56.43	Caribou	4	4						36 of 56	C and E NF	Caribou
I	18-JUN-11 10:27:13AM	48.52	-54.60	Caribou	4	3				1		45 of 56	C and E NF	Caribou
I	18-JUN-11 10:45:55AM	48.69	-55.07	Caribou	6	4				2		43 of 56	C and E NF	Caribou
I	17-JUN-11 3:06:46PM	48.53	-54.59	Caribou	22	19				3		45 of 56	C and E NF	Caribou
I	17-JUN-11 1:04:21PM	49.29	-56.44	Caribou trails								36 of 56	C and E NF	Caribou Activity
I	17-JUN-11 1:05:56PM	49.29	-56.43	Caribou trails								36 of 56	C and E NF	Caribou Activity
I	17-JUN-11 1:07:42PM	49.28	-56.42	Caribou trails								36 of 56	C and E NF	Caribou Activity
I	17-JUN-11 1:27:02PM	49.27	-56.36	Caribou trails								36 of 56	C and E NF	Caribou Activity
I	17-JUN-11 1:29:00PM	49.26	-56.33	Caribou trails								36 of 56	C and E NF	Caribou Activity
I	17-JUN-11 3:09:00PM	48.49	-54.56	Caribou trails								45 of 56	C and E NF	Caribou Activity
I	17-JUN-11 12:48:16PM	49.28	-56.73	Coyote	1	1						35 of 56	C and E NF	Other Mammal
I	17-JUN-11 1:55:18PM	48.91	-55.95	Duck, unidentified	1	1						39 of 56	C and E NF	Waterfowl
I	18-JUN-11 11:37:07AM	48.91	-55.95	Duck, unidentified	1	1						39 of 56	C and E NF	Waterfowl
I	18-JUN-11 10:38:33AM	48.66	-54.86	Duck, unidentified	1	1					diver	44 of 56	C and E NF	Waterfowl
I	17-JUN-11 3:24:00PM	48.34	-54.22	Duck, unidentified	1	1						47 of 56	C and E NF	Waterfowl
I	18-JUN-11 10:13:46AM	48.41	-54.33	Game trail								46 of 56	C and E NF	Other Wildlife Activity
I	17-JUN-11 2:39:24PM	48.74	-55.27	Gull	1	1						42 of 56	C and E NF	Other Avifauna - Waterbodies
I	17-JUN-11 3:14:18PM	48.44	-54.45	Gull	1	1						46 of 56	C and E NF	Other Avifauna - Waterbodies
I	18-JUN-11 9:58:48AM	48.25	-54.15	Gull	1	1						47 of 56	C and E NF	Other Avifauna - Waterbodies
I	17-JUN-11 1:50:29PM	48.95	-56.08	Merganser	1			1				38 of 56	C and E NF	Waterfowl
I	18-JUN-11 9:59:58AM	48.25	-54.19	Merganser	1	1						47 of 56	C and E NF	Waterfowl
I	18-JUN-11 12:27:36PM	49.44	-56.94	Moose	1			1				34 of 56	C and E NF	Moose
I	17-JUN-11 12:58:21PM	49.29	-56.54	Moose	1			1				36 of 56	C and E NF	Moose
I	18-JUN-11 11:38:44AM	48.93	-56.00	Moose	1			1				39 of 56	C and E NF	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	17-JUN-11 2:30:02PM	48.83	-55.51	Moose	1			1				41 of 56	C and E NF	Moose
I	17-JUN-11 12:55:54PM	49.27	-56.60	Moose	1					1	yearling	35 of 56	C and E NF	Moose
I	18-JUN-11 10:57:37AM	48.79	-55.43	Moose	1					1	yearling male moose	41 of 56	C and E NF	Moose
I	18-JUN-11 12:25:38PM	49.40	-56.91	Moose	1		1					34 of 56	C and E NF	Moose
I	18-JUN-11 12:18:30PM	49.28	-56.79	Moose	1		1					35 of 56	C and E NF	Moose
I	17-JUN-11 12:59:12PM	49.29	-56.53	Moose	1		1					36 of 56	C and E NF	Moose
I	17-JUN-11 11:33:30AM	49.24	-56.27	Moose	1	1						36 of 56	C and E NF	Moose
I	17-JUN-11 1:40:24PM	49.11	-56.23	Moose	1	1						37 of 56	C and E NF	Moose
I	18-JUN-11 11:52:53AM	49.10	-56.23	Moose	1	1						37 of 56	C and E NF	Moose
I	17-JUN-11 1:46:26PM	49.02	-56.10	Moose	1	1						38 of 56	C and E NF	Moose
I	17-JUN-11 1:53:44PM	48.92	-55.99	Moose	1		1					39 of 56	C and E NF	Moose
I	18-JUN-11 11:41:18AM	48.95	-56.08	Moose	1		1					39 of 56	C and E NF	Moose
I	17-JUN-11 2:25:01PM	48.90	-55.63	Moose	1	1						40 of 56	C and E NF	Moose
I	17-JUN-11 2:31:03PM	48.81	-55.49	Moose	1	1						41 of 56	C and E NF	Moose
I	17-JUN-11 2:31:59PM	48.80	-55.47	Moose	1	1						41 of 56	C and E NF	Moose
I	17-JUN-11 2:32:51PM	48.80	-55.44	Moose	1	1						41 of 56	C and E NF	Moose
I	18-JUN-11 11:03:00AM	48.86	-55.57	Moose	1	1						41 of 56	C and E NF	Moose
I	17-JUN-11 2:43:00PM	48.72	-55.16	Moose	1	1						42 of 56	C and E NF	Moose
I	18-JUN-11 10:50:13AM	48.72	-55.21	Moose	1	1						42 of 56	C and E NF	Moose
I	17-JUN-11 2:44:00PM	48.69	-55.06	Moose	1	1						43 of 56	C and E NF	Moose
I	17-JUN-11 2:46:38PM	48.69	-55.06	Moose	1	1						43 of 56	C and E NF	Moose
I	18-JUN-11 10:28:16AM	48.54	-54.61	Moose	1		1					45 of 56	C and E NF	Moose
I	17-JUN-11 3:16:51PM	48.41	-54.38	Moose	1	1						46 of 56	C and E NF	Moose
I	18-JUN-11 10:11:46AM	48.39	-54.28	Moose	1	1						46 of 56	C and E NF	Moose
I	17-JUN-11 3:28:10PM	48.27	-54.18	Moose	1		1					47 of 56	C and E NF	Moose
I	17-JUN-11 2:25:24PM	48.89	-55.62	Moose	2			1		1	female and yearling	40 of 56	C and E NF	Moose
I	18-JUN-11 11:03:34AM	48.87	-55.59	Moose	2			1		1		40 of 56	C and E NF	Moose
I	18-JUN-11 12:20:19PM	49.31	-56.84	Moose	2			1		1		35 of 56	C and E NF	Moose
I	17-JUN-11 1:49:45PM	48.97	-56.08	Moose	2			1		1		38 of 56	C and E NF	Moose
I	18-JUN-11 11:46:15AM	49.02	-56.09	Moose	2			1		1		38 of 56	C and E NF	Moose
I	17-JUN-11 1:54:07PM	48.92	-55.98	Moose	2			1		1		39 of 56	C and E NF	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	18-JUN-11 11:38:00AM	48.92	-55.98	Moose	2			1		1		39 of 56	C and E NF	Moose
I	18-JUN-11 11:02:13AM	48.85	-55.55	Moose	2			1		1		41 of 56	C and E NF	Moose
I	18-JUN-11 11:02:22AM	48.85	-55.56	Moose	2			1		1		41 of 56	C and E NF	Moose
I	18-JUN-11 10:07:56AM	48.35	-54.21	Moose	2			1		1		47 of 56	C and E NF	Moose
I	17-JUN-11 1:38:16PM	49.15	-56.26	Moose	2	1				1		37 of 56	C and E NF	Moose
I	18-JUN-11 9:58:47AM	48.25	-54.15	Moose	2	1				1		47 of 56	C and E NF	Moose
I	18-JUN-11 11:38:30AM	48.92	-55.99	Moose	2	2						39 of 56	C and E NF	Moose
I	18-JUN-11 9:54:56AM	48.20	-54.06	Moose	2	2						48 of 56	C and E NF	Moose
I	17-JUN-11 1:33:07PM	49.24	-56.27	Owl	1	1						36 of 56	C and E NF	Raptor
I	17-JUN-11 3:11:31PM	48.46	-54.52	Raptor, unidentified	1	1						45 of 56	C and E NF	Raptor
I	18-JUN-11 10:01:07AM	48.26	-54.21	Raptor, unidentified	1	1						47 of 56	C and E NF	Raptor
I	18-JUN-11 11:54:59AM	49.13	-56.26	Red breasted merganser	1			1				37 of 56	C and E NF	Waterfowl
I	18-JUN-11 10:01:07AM	48.26	-54.21	Red breasted merganser	2		1	1				47 of 56	C and E NF	Waterfowl
I	18-JUN-11 10:06:51AM	48.33	-54.20	Ring-necked Duck	1		1					47 of 56	C and E NF	Waterfowl
I	17-JUN-11 11:29:43AM	49.46	-56.94	Ring-necked Duck	4		4					34 of 56	C and E NF	Waterfowl
I	18-JUN-11 10:55:40AM	48.77	-55.38	Ring-necked Duck	4		3	1				41 of 56	C and E NF	Waterfowl
I	17-JUN-11 2:28:06PM	48.86	-55.56	Sandpiper	2	2						40 of 56	C and E NF	Other Avifauna - Waterbodies
I	17-JUN-11 1:47:02PM	49.01	-56.09	Short eared owl	1	1					Photos 333 - 335	38 of 56	C and E NF	Raptor
I	17-JUN-11 1:21:51PM	49.28	-56.40	Snowshoe hare	1	1						36 of 56	C and E NF	Other Mammal
I	18-JUN-11 10:38:48AM	48.67	-54.87	Spruce grouse	1		1					44 of 56	C and E NF	Other Avifauna
I	19-JUN-11 1:48:36PM	51.51	-56.97	Black back gull	1	1						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 3:14:55PM	51.54	-56.94	Black bear	1	1						20 of 56	C and SE Lab	Other Mammal
I	19-JUN-11 2:00:42PM	51.72	-56.85	Black bear	2			1		>1	>2 total	19 of 56	C and SE Lab	Other Mammal
I	16-JUN-11 3:10:21PM	51.63	-56.93	Black duck	1	1						19 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 3:03:33PM	52.27	-58.54	Black duck	2		1	1			1 pair	11 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 4:01:57PM	52.82	-60.12	Canada goose	1	1					on nest	04 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 1:21:45PM	52.55	-59.34	Canada goose	1	1						07 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 3:03:33PM	52.27	-58.54	Canada goose	1	1				6 eggs	on nest, 6 eggs	11 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 2:41:30PM	52.06	-57.27	Canada goose	1	1					on nest, still on eggs on 19 June	16 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 3:09:24PM	51.65	-56.92	Canada goose	1	1						19 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 1:57:14PM	51.66	-56.90	Canada goose	2		1	1			1 pair	19 of 56	C and SE Lab	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	19-JUN-11 3:55:05PM	52.76	-59.96	Canada goose	5	5						05 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 3:07:21PM	51.69	-56.89	Common goldeneye	1		1					19 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 1:58:47PM	51.68	-56.88	Common goldeneye	1		1					19 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 12:12:04PM	53.01	-60.40	Common goldeneye	2		1	1		1 pair		02 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 4:09:16PM	52.94	-60.25	Common Merganser	1	1	1					03 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 12:55:18PM	52.56	-59.40	Common Merganser	3		3					07 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 2:12:14PM	52.23	-58.06	Game trail								12 of 56	C and SE Lab	Other Wildlife Activity
I	19-JUN-11 3:36:31PM	52.55	-59.38	Green-winged Teal	1	1	1					07 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 4:14:29PM	53.02	-60.41	Gull	1	1						02 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 4:09:16PM	52.94	-60.25	Gull	1	1						03 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:22:21PM	52.37	-58.98	Gull	1	1						09 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:22:51PM	52.38	-58.98	Gull	1	1						09 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 2:58:06PM	52.23	-58.35	Gull	1	1						11 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 1:56:09PM	51.64	-56.92	Gull	1	1						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 3:18:10PM	51.48	-56.98	Gull	1	1						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 3:20:43PM	51.42	-56.97	Gull	4	4						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 3:06:45PM	51.70	-56.88	Gull	6	6						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 12:56:47PM	52.55	-59.35	Herring gull	1	1						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:37:03PM	52.55	-59.39	Herring gull	1	1						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 1:48:36PM	51.51	-56.97	Herring gull	1	1						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 2:13:39PM	51.96	-57.01	Hybrid mallard/black duck	1	1						17 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 3:35:49PM	52.55	-59.36	Moose	1	1						07 of 56	C and SE Lab	Moose
I	16-JUN-11 1:21:45PM	52.55	-59.34	Northern waterthrush	1	1						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 2:38:46PM	52.06	-57.36	Old game/caribou trail								15 of 56	C and SE Lab	Other Wildlife Activity
I	19-JUN-11 3:46:28PM	52.66	-59.66	Osprey	1	1						06 of 56	C and SE Lab	Raptor
I	19-JUN-11 2:26:54PM	52.06	-57.30	Osprey	1	1					flying	16 of 56	C and SE Lab	Raptor
I	16-JUN-11 2:54:15PM	51.94	-56.98	Osprey	1	1					active nest	17 of 56	C and SE Lab	Raptor
I	16-JUN-11 3:01:58PM	51.80	-56.88	Ptarmigan	1		1					18 of 56	C and SE Lab	Other Avifauna
I	19-JUN-11 2:01:27PM	51.74	-56.84	Ptarmigan	1		1					18 of 56	C and SE Lab	Other Avifauna
I	19-JUN-11 2:04:44PM	51.80	-56.88	Ptarmigan	1		1					18 of 56	C and SE Lab	Other Avifauna
I	16-JUN-11 3:06:34PM	51.70	-56.88	Ptarmigan	1		1					19 of 56	C and SE Lab	Other Avifauna

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	16-JUN-11 3:15:28PM	51.53	-56.95	Raptor, unidentified	1	1						20 of 56	C and SE Lab	Raptor
I	19-JUN-11 3:31:53PM	52.50	-59.28	Red breasted merganser	1			1				08 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 2:32:25PM	52.05	-57.50	Red tailed hawk	1	1						15 of 56	C and SE Lab	Raptor
I	16-JUN-11 2:14:20PM	52.24	-58.00	Ring-necked Duck	1		1					13 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 2:50:27PM	52.23	-58.09	Ring-necked Duck	2		2				near KM 230	12 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 2:13:39PM	51.96	-57.01	Ring-necked Duck	3		3					17 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 3:37:38PM	52.56	-59.40	Ring-necked Duck	4	4						07 of 56	C and SE Lab	Waterfowl
I	16 JUN-11 3:20:55PM	51.49	-56.89	Rough legged hawk	1	1					near airstrip	20 of 56	C and SE Lab	Raptor
I	16-JUN-11 12:56:47PM	52.55	-59.35	Sandpiper	1	1						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:38:02PM	52.56	-59.41	Sandpiper	1	1						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:26:38PM	52.44	-59.10	Sandpiper	1	1						08 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:26:51PM	52.44	-59.11	Sandpiper	1	1						08 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:28:54PM	52.46	-59.18	Sandpiper	1	1						08 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 2:26:24PM	52.13	-57.69	Sandpiper	1	1						14 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 2:40:52PM	52.18	-57.75	Sandpiper	1	1						14 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 2:42:46PM	52.06	-57.23	Sandpiper	1	1						16 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 12:32:25PM	52.77	-59.97	Sandpiper	2	2						05 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 12:51:19PM	52.57	-59.53	Sandpiper	2	2						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	19-JUN-11 3:01:45PM	52.24	-58.48	Sandpiper	2	2						11 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 3:09:14PM	51.65	-56.92	Scaup	3		2	1			1 pair, 1 male	19 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 3:41:19PM	52.58	-59.53	Scaup	4		2	2			2 pair	07 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 1:50:11PM	51.52	-56.95	Snowshoe hare	1	1						20 of 56	C and SE Lab	Other Mammal
I	19-JUN-11 3:41:19PM	52.58	-59.53	Surf scoter	1		1					07 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 3:16:05PM	52.34	-58.84	Surf scoter	4		4					10 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 3:43:46PM	52.61	-59.60	Tern	1	1						06 of 56	C and SE Lab	Other Avifauna - Waterbodies
I	16-JUN-11 1:21:45PM	52.55	-59.34	Tree swallow	1	1						07 of 56	C and SE Lab	Other Avifauna
I	16-JUN-11 1:52:25PM	52.31	-58.60	Waterfowl, unidentified	1	1						10 of 56	C and SE Lab	Waterfowl
I	19-JUN-11 2:50:27PM	52.23	-58.09	Waterfowl, unidentified	2	2						12 of 56	C and SE Lab	Waterfowl
I	16-JUN-11 5:15:26PM	50.19	-57.46	Moose carcass/bones								29 of 56	N Pen	Moose
I	18-JUN-11 2:53:46PM	50.23	-57.44	Bald eagle	1	1						28 of 56	N Pen	Raptor
I	18-JUN-11 2:54:42PM	50.24	-57.44	Bald eagle	1				1			28 of 56	N Pen	Raptor

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	16-JUN-11 4:39:36PM	50.76	-56.89	Black bear	1	1						24 of 56	N Pen	Other Mammal
I	18-JUN-11 3:33:58PM	50.62	-57.02	Black duck	1			1		8	female with 8 - 1a	25 of 56	N Pen	Waterfowl
I	18-JUN-11 4:37:50PM	51.30	-56.69	Black duck	3	3						21 of 56	N Pen	Waterfowl
I	18-JUN-11 3:13:23PM	50.44	-57.21	Black duck	3	3						27 of 56	N Pen	Waterfowl
I	18-JUN-11 3:10:37PM	50.43	-57.24	Black duck	5	1				4	black duck with 4- 1B; N of KM 510	27 of 56	N Pen	Waterfowl
I	16-JUN-11 4:41:03PM	50.74	-56.92	Canada goose	1	1						25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:56:39PM	50.75	-56.89	Canada goose	1	1						25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:35:36PM	50.62	-57.01	Canada goose	2		1	1		3		25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:19:12PM	50.48	-57.12	Canada goose	2		1	1			1 Pair	26 of 56	N Pen	Waterfowl
I	18-JUN-11 3:01:42PM	50.31	-57.37	Canada goose	2		1	1			1 pair	28 of 56	N Pen	Waterfowl
I	18-JUN-11 3:56:05PM	50.74	-56.90	Canada goose	4	4						25 of 56	N Pen	Waterfowl
I	18-JUN-11 2:53:46PM	50.23	-57.44	Canada goose	5	2				3	Brian's Pond River, W of KM 540	28 of 56	N Pen	Waterfowl
I	18-JUN-11 3:40:20PM	50.63	-56.98	Canada goose	10	10						25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:35:10PM	50.62	-57.01	Canada goose	11	11						25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:56:53PM	50.75	-56.89	Canada goose	16	16						25 of 56	N Pen	Waterfowl
I	18-JUN-11 2:41:28PM	50.08	-57.39	Canada goose	4	2				>2	>4 total	29 of 56	N Pen	Waterfowl
I	18-JUN-11 4:36:38PM	51.27	-56.68	Caribou	1	1						21 of 56	N Pen	Caribou
I	16-JUN-11 4:26:42PM	50.99	-56.65	Caribou	1	1						23 of 56	N Pen	Caribou
I	16-JUN-11 4:32:08PM	50.90	-56.76	Caribou	1	1						24 of 56	N Pen	Caribou
I	16-JUN-11 4:43:41PM	50.70	-56.99	Caribou	1		1					25 of 56	N Pen	Caribou
I	18-JUN-11 2:40:44PM	50.06	-57.39	Caribou	1	1						29 of 56	N Pen	Caribou
I	16-JUN-11 5:29:05PM	50.00	-57.38	Caribou	1	1						30 of 56	N Pen	Caribou
I	17-JUN-11 12:25:09PM	49.45	-57.05	Caribou	1	1					offline	33 of 56	N Pen	Caribou
I	18-JUN-11 12:37:50PM	49.54	-57.00	Caribou	1		1					33 of 56	N Pen	Caribou
I	16-JUN-11 4:09:20PM	51.28	-56.69	Caribou	2	2						21 of 56	N Pen	Caribou
I	18-JUN-11 3:57:56PM	50.76	-56.88	Caribou	2	2						24 of 56	N Pen	Caribou
I	18-JUN-11 3:14:21PM	50.44	-57.19	Caribou	2	1				1		27 of 56	N Pen	Caribou
I	18-JUN-11 2:42:42PM	50.08	-57.42	Caribou	2	1				1		29 of 56	N Pen	Caribou
I	18-JUN-11 12:55:14PM	49.76	-57.18	Caribou	2	2						32 of 56	N Pen	Caribou
I	16-JUN-11 4:18:20PM	51.16	-56.56	Caribou	3	3						22 of 56	N Pen	Caribou
I	18-JUN-11 3:48:41PM	50.71	-56.98	Caribou	3	3						25 of 56	N Pen	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	18-JUN-11 3:49:59PM	50.72	-56.97	Caribou	3	3						25 of 56	N Pen	Caribou
I	18-JUN-11 4:33:59PM	51.22	-56.62	Caribou	4	4						21 of 56	N Pen	Caribou
I	18-JUN-11 4:31:18PM	51.19	-56.55	Caribou	4	2				2		22 of 56	N Pen	Caribou
I	17-JUN-11 12:23:50PM	49.49	-57.05	Caribou	4	2				2	offline	33 of 56	N Pen	Caribou
I	16-JUN-11 4:41:08PM	50.73	-56.92	Caribou	8	8						25 of 56	N Pen	Caribou
I	16-JUN-11 5:29:36PM	49.99	-57.38	Caribou	8	8						30 of 56	N Pen	Caribou
I	16-JUN-11 5:27:37PM	50.02	-57.39	Caribou	9	9					no calves	30 of 56	N Pen	Caribou
I	16-JUN-11 4:42:12PM	50.73	-56.96	Caribou	10	10						25 of 56	N Pen	Caribou
I	16-JUN-11 4:41:20PM	50.73	-56.93	Caribou	12	12						25 of 56	N Pen	Caribou
I	16-JUN-11 4:16:52PM	51.18	-56.56	Caribou	29	20				9		22 of 56	N Pen	Caribou
I	18-JUN-11 4:29:46PM	51.16	-56.56	Caribou	24	20				4 or 5	recorded as 24-25	22 of 56	N Pen	Caribou
I	18-JUN-11 12:41:24PM	49.60	-57.05	Common Loon	1	1						33 of 56	N Pen	Waterfowl
I	18-JUN-11 4:21:21PM	50.98	-56.66	Common Loon	2		1	1			1 pair	23 of 56	N Pen	Waterfowl
I	18-JUN-11 12:28:49PM	49.46	-56.95	Common Loon	2		1	1				33 of 56	N Pen	Waterfowl
I	16-JUN-11 4:41:03PM	50.74	-56.92	Common Merganser	1	1						25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:44:21PM	50.68	-56.99	Common Merganser	2		1	1				25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:54:26PM	50.73	-56.93	Common Merganser	2		1	1			1 pair	25 of 56	N Pen	Waterfowl
I	16-JUN-11 5:27:50PM	50.02	-57.39	Common Merganser	2		1	1			1 pair	30 of 56	N Pen	Waterfowl
I	18-JUN-11 12:28:30PM	49.46	-56.95	Crow	1	1						33 of 56	N Pen	Other Avifauna
I	18-JUN-11 3:20:23PM	50.50	-57.12	Duck, unidentified	1	1						26 of 56	N Pen	Waterfowl
I	16-JUN-11 4:26:42PM	50.99	-56.65	Duck, unidentified	2	2						23 of 56	N Pen	Waterfowl
I	16-JUN-11 4:22:26PM	51.07	-56.61	Greater Yellowlegs	1	1						22 of 56	N Pen	Other Avifauna - Waterbodies
I	16-JUN-11 4:16:52PM	51.18	-56.56	Green-winged Teal	1	1						22 of 56	N Pen	Waterfowl
I	18-JUN-11 3:46:30PM	50.70	-57.00	Green-winged Teal	1		1					25 of 56	N Pen	Waterfowl
I	16-JUN-11 4:18:50PM	51.15	-56.57	Gull	1	1						22 of 56	N Pen	Other Avifauna - Waterbodies
I	16-JUN-11 4:26:42PM	50.99	-56.65	Gull	1	1						23 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 4:08:54PM	50.88	-56.77	Gull	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 4:11:30PM	50.86	-56.76	Gull	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:54:26PM	50.73	-56.93	Gull	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:12:09PM	50.44	-57.21	Gull	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
I	16-JUN-11 5:31:15PM	49.96	-57.39	Gull	1	1						30 of 56	N Pen	Other Avifauna - Waterbodies

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	16-JUN-11 5:00:03PM	50.44	-57.21	Herring gull	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:13:23PM	50.44	-57.21	Hybrid duck	1	1						27 of 56	N Pen	Waterfowl
I	18-JUN-11 4:19:23PM	50.96	-56.70	Merganser	1	1						23 of 56	N Pen	Waterfowl
I	18-JUN-11 3:32:09PM	50.64	-57.04	Merganser	1			1				25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:33:17PM	50.63	-57.02	Merganser	1			1				25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:39:14PM	50.62	-56.99	Merganser	1	1		1				25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:09:23PM	50.42	-57.23	Merganser	1			1				27 of 56	N Pen	Waterfowl
I	18-JUN-11 3:12:09PM	50.44	-57.21	Merganser	1			1				27 of 56	N Pen	Waterfowl
I	18-JUN-11 3:46:30PM	50.70	-57.00	Merganser	2			2				25 of 56	N Pen	Waterfowl
I	16-JUN-11 5:16:09PM	50.17	-57.46	Merganser	2			2			inlet of Brian's Pond River, near Obs #87	29 of 56	N Pen	Waterfowl
I	18-JUN-11 3:39:48PM	50.62	-56.99	Merganser	3	3						25 of 56	N Pen	Waterfowl
I	16-JUN-11 4:13:02PM	51.23	-56.63	Moose	1			1				21 of 56	N Pen	Moose
I	18-JUN-11 3:28:46PM	50.61	-57.02	Moose	1			1				25 of 56	N Pen	Moose
I	18-JUN-11 12:41:06PM	49.60	-57.05	Moose	1			1				33 of 56	N Pen	Moose
I	16-JUN-11 5:09:42PM	50.29	-57.39	Moose	1			1				28 of 56	N Pen	Moose
I	16-JUN-11 4:15:39PM	51.20	-56.57	Moose	1		1					22 of 56	N Pen	Moose
I	18-JUN-11 4:28:28PM	51.13	-56.57	Moose	1	1						22 of 56	N Pen	Moose
I	18-JUN-11 4:30:40PM	51.17	-56.55	Moose	1	1						22 of 56	N Pen	Moose
I	18-JUN-11 4:20:19PM	50.97	-56.68	Moose	1		1					23 of 56	N Pen	Moose
I	16-JUN-11 4:34:10PM	50.86	-56.79	Moose	1	1						24 of 56	N Pen	Moose
I	16-JUN-11 4:47:46PM	50.63	-57.01	Moose	1	1						25 of 56	N Pen	Moose
I	18-JUN-11 3:47:14PM	50.71	-56.99	Moose	1	1						25 of 56	N Pen	Moose
I	18-JUN-11 3:22:17PM	50.52	-57.08	Moose	1		1					26 of 56	N Pen	Moose
I	16-JUN-11 5:04:30PM	50.38	-57.30	Moose	1	1						27 of 56	N Pen	Moose
I	16-JUN-11 5:09:57PM	50.29	-57.39	Moose	1	1						28 of 56	N Pen	Moose
I	16-JUN-11 5:14:12PM	50.21	-57.45	Moose	1	1						28 of 56	N Pen	Moose
I	18-JUN-11 3:03:39PM	50.34	-57.33	Moose	1	1						28 of 56	N Pen	Moose
I	16-JUN-11 5:19:38PM	50.12	-57.47	Moose	1	1						29 of 56	N Pen	Moose
I	18-JUN-11 2:51:00PM	50.20	-57.45	Moose	1	1						29 of 56	N Pen	Moose
I	18-JUN-11 12:55:36PM	49.76	-57.18	Moose	1	1						31 of 56	N Pen	Moose
I	17-JUN-11 11:19:42AM	49.53	-57.00	Moose	1	1						33 of 56	N Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	18-JUN-11 4:21:21PM	50.98	-56.66	Moose	2			1		1		23 of 56	N Pen	Moose
I	16-JUN-11 4:22:01PM	51.08	-56.60	Moose	2			1		1		22 of 56	N Pen	Moose
I	18-JUN-11 3:57:02PM	50.75	-56.89	Moose	2			1		1		25 of 56	N Pen	Moose
I	18-JUN-11 3:07:44PM	50.40	-57.27	Moose	2			1		1		27 of 56	N Pen	Moose
I	18-JUN-11 2:55:31PM	50.25	-57.45	Moose	2			1		1		28 of 56	N Pen	Moose
I	18-JUN-11 3:02:09PM	50.32	-57.36	Moose	2			1		1		28 of 56	N Pen	Moose
I	16-JUN-11 5:22:14PM	50.09	-57.43	Moose	2			1		1		29 of 56	N Pen	Moose
I	16-JUN-11 4:14:18PM	51.21	-56.60	Moose	2	2						21 of 56	N Pen	Moose
I	16-JUN-11 4:16:21PM	51.19	-56.56	Moose	2	2						22 of 56	N Pen	Moose
I	18-JUN-11 4:06:41PM	50.86	-56.78	Moose	2	2						24 of 56	N Pen	Moose
I	18-JUN-11 4:07:57PM	50.89	-56.78	Moose	2	2						24 of 56	N Pen	Moose
I	16-JUN-11 5:09:09PM	50.30	-57.37	Moose	2	2						28 of 56	N Pen	Moose
I	18-JUN-11 2:48:07PM	50.16	-57.48	Moose	2	2						29 of 56	N Pen	Moose
I	18-JUN-11 4:15:47PM	50.91	-56.76	Moose	3	1				2		23 of 56	N Pen	Moose
I	18-JUN-11 4:16:38PM	50.92	-56.75	Northern raven	1							23 of 56	N Pen	Other Avifauna
I	18-JUN-11 4:13:45PM	50.86	-56.76	Northern raven	1	1						24 of 56	N Pen	Other Avifauna
I	16-JUN-11 5:34:20PM	49.90	-57.39	Osprey	1	1						30 of 56	N Pen	Raptor
I	18-JUN-11 3:24:19PM	50.55	-57.04	Raptor, unidentified	1	1						26 of 56	N Pen	Raptor
I	16-JUN-11 5:00:49PM	50.44	-57.23	Raptor, unidentified	1	1						27 of 56	N Pen	Raptor
I	16-JUN-11 4:46:33PM	50.65	-57.01	Red breasted merganser	1			1				25 of 56	N Pen	Waterfowl
I	18-JUN-11 2:37:40PM	50.01	-57.39	Red breasted merganser	1		1					30 of 56	N Pen	Waterfowl
I	18-JUN-11 4:13:45PM	50.86	-56.76	Red breasted merganser	1		1					32 of 56	N Pen	Waterfowl
I	18-JUN-11 2:56:29PM	50.25	-57.45	Red breasted merganser	3			3				28 of 56	N Pen	Waterfowl
I	18-JUN-11 3:54:26PM	50.73	-56.93	Red breasted merganser	4	4						25 of 56	N Pen	Waterfowl
I	18-JUN-11 2:53:46PM	50.23	-57.44	Red breasted merganser	4		3	1			Brian's Pond River, W of KM 540	28 of 56	N Pen	Waterfowl
I	18-JUN-11 3:37:12PM	50.62	-57.00	Red breasted merganser	6		3	3			3 pair	25 of 56	N Pen	Waterfowl
I	18-JUN-11 4:15:47PM	50.91	-56.76	Ring-necked Duck	2		1	1			1 pair	23 of 56	N Pen	Waterfowl
I	18-JUN-11 3:42:32PM	50.65	-57.00	Ring-necked Duck	3		1	2				25 of 56	N Pen	Waterfowl
I	16-JUN-11 5:04:30PM	50.38	-57.30	Ring-necked Duck	3		3					27 of 56	N Pen	Waterfowl
I	16-JUN-11 4:46:33PM	50.65	-57.01	Ring-necked Duck	9		9					25 of 56	N Pen	Waterfowl
I	18-JUN-11 3:17:25PM	50.47	-57.13	Ring-necked Duck	9	9						26 of 56	N Pen	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
I	18-JUN-11 3:35:36PM	50.62	-57.01	Sandpiper	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:39:34PM	50.62	-56.99	Sandpiper	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:48:23PM	50.71	-56.98	Sandpiper	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:48:41PM	50.71	-56.98	Sandpiper	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
I	16-JUN-11 4:54:12PM	50.52	-57.06	Sandpiper	1	1						26 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:23:17PM	50.54	-57.06	Sandpiper	1	1						26 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:06:34PM	50.38	-57.29	Sandpiper	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:00:30PM	50.29	-57.38	Sandpiper	1	1						28 of 56	N Pen	Other Avifauna - Waterbodies
I	16-JUN-11 4:42:48PM	50.72	-56.97	Sandpiper	2	2						25 of 56	N Pen	Other Avifauna - Waterbodies
I	18-JUN-11 3:40:40PM	50.63	-56.98	Sandpiper	3	3						25 of 56	N Pen	Other Avifauna - Waterbodies
I	16-JUN-11 4:18:50PM	51.15	-56.57	Scaup	5		4	1			S of KM 410	22 of 56	N Pen	Waterfowl
I	18-JUN-11 2:58:38PM	50.27	-57.41	Tern	1	1						28 of 56	N Pen	Other Avifauna - Waterbodies
I	16-JUN-11 5:06:57PM	50.33	-57.34	Tern	2	2						28 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 8:57:05AM	47.90	-53.94	Bald Eagle	1	1						50 of 56	Avalon Pen	Raptor
II	21-JUL-11 8:18:24AM	47.37	-53.21	Black Back Gull	1	1						55 of 56	Avalon Pen	Other Avifauna - Waterbodies
II	20-JUL-11 5:40:42PM	47.48	-53.63	Black Duck	5	1				4	1F chicks	53 of 56	Avalon Pen	Waterfowl
II	20-JUL-11 5:45:46PM	47.43	-53.46	Black Duck	3	3						54 of 56	Avalon Pen	Waterfowl
II	20-JUL-11 5:46:22PM	47.43	-53.43	Black Duck	9	9						54 of 56	Avalon Pen	Waterfowl
II	20-JUL-11 5:48:40PM	47.41	-53.36	Black Duck	2	2						54 of 56	Avalon Pen	Waterfowl
II	21-JUL-11 8:21:46AM	47.39	-53.30	Black Duck	6	6						54 of 56	Avalon Pen	Waterfowl
II	20-JUL-11 5:40:48PM	47.48	-53.63	Common Loon	1	1						53 of 56	Avalon Pen	Waterfowl
II	20-JUL-11 5:45:26PM	47.43	-53.47	Common Loon	1	1						54 of 56	Avalon Pen	Waterfowl
II	20-JUL-11 5:54:42PM	47.33	-53.16	Common Loon	1	1						55 of 56	Avalon Pen	Waterfowl
II	20-JUL-11 5:43:01PM	47.45	-53.56	Common Raven	1	1						53 of 56	Avalon Pen	Other Avifauna
II	21-JUL-11 8:23:48AM	47.42	-53.37	Duck, unknown	4	4						54 of 56	Avalon Pen	Waterfowl
II	21-JUL-11 8:29:34AM	47.45	-53.50	Grey Jay	1	1						53 of 56	Avalon Pen	Other Avifauna
II	21-JUL-11 8:38:15AM	47.56	-53.73	Herring Gull	1	1						52 of 56	Avalon Pen	Other Avifauna - Waterbodies
II	20-JUL-11 5:57:25PM	47.33	-53.07	Herring Gull	1	1						55 of 56	Avalon Pen	Other Avifauna - Waterbodies
II	20-JUL-11 5:57:55PM	47.34	-53.05	Herring Gull	1	1						55 of 56	Avalon Pen	Other Avifauna - Waterbodies
II	21-JUL-11 8:17:58AM	47.36	-53.20	Herring Gull	5	5						55 of 56	Avalon Pen	Other Avifauna - Waterbodies
II	21-JUL-11 8:13:17AM	47.34	-53.06	Herring Gull	1	1						56 of 56	Avalon Pen	Other Avifauna - Waterbodies

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 8:13:38AM	47.33	-53.07	Herring Gull	7	7						56 of 56	Avalon Pen	Other Avifauna - Waterbodies
II	20-JUL-11 5:14:31PM	47.91	-53.95	Moose	1	1						50 of 56	Avalon Pen	Moose
II	20-JUL-11 5:17:57PM	47.85	-53.95	Moose	1	1						50 of 56	Avalon Pen	Moose
II	21-JUL-11 8:55:51AM	47.87	-53.94	Moose	1					1		50 of 56	Avalon Pen	Moose
II	21-JUL-11 8:40:22AM	47.59	-53.77	Moose	1		1					52 of 56	Avalon Pen	Moose
II	20-JUL-11 5:39:45PM	47.50	-53.66	Moose	1			1				53 of 56	Avalon Pen	Moose
II	20-JUL-11 5:41:52PM	47.46	-53.60	Moose	1	1						53 of 56	Avalon Pen	Moose
II	20-JUL-11 5:44:34PM	47.44	-53.50	Moose	1	1						53 of 56	Avalon Pen	Moose
II	21-JUL-11 8:29:10AM	47.45	-53.49	Moose	2	1				1		53 of 56	Avalon Pen	Moose
II	20-JUL-11 5:45:46PM	47.43	-53.46	Moose	1	1						54 of 56	Avalon Pen	Moose
II	20-JUL-11 5:46:00PM	47.43	-53.45	Moose	1	1						54 of 56	Avalon Pen	Moose
II	20-JUL-11 5:46:13PM	47.43	-53.44	Moose	1	1						54 of 56	Avalon Pen	Moose
II	20-JUL-11 5:51:28PM	47.37	-53.27	Moose	1	1						54 of 56	Avalon Pen	Moose
II	21-JUL-11 8:24:00AM	47.42	-53.37	Moose	1	1						54 of 56	Avalon Pen	Moose
II	21-JUL-11 8:26:36AM	47.44	-53.45	Moose	2			1		1	cow and calf	54 of 56	Avalon Pen	Moose
II	21-JUL-11 8:14:34AM	47.33	-53.10	Moose	1	1						55 of 56	Avalon Pen	Moose
II	20-JUL-11 5:52:32PM	47.35	-53.23	Tern	1	1						55 of 56	Avalon Pen	Other Avifauna - Waterbodies
II	21-JUL-11 11:02:29AM	49.27	-56.39	Canada Goose	3	3						36 of 56	C and E NF	Waterfowl
II	21-JUL-11 9:45:01AM	48.70	-55.04	Canada Goose	8	8						43 of 56	C and E NF	Waterfowl
II	21-JUL-11 9:45:08AM	48.70	-55.05	Canada Goose	2	2						43 of 56	C and E NF	Waterfowl
II	21-JUL-11 11:03:53AM	49.28	-56.42	Caribou	15	12				3		36 of 56	C and E NF	Caribou
II	21-JUL-11 11:05:58AM	49.29	-56.44	Caribou	11	10				1		36 of 56	C and E NF	Caribou
II	21-JUL-11 11:06:10AM	49.29	-56.44	Caribou	13	13						36 of 56	C and E NF	Caribou
II	20-JUL-11 3:22:27PM	49.12	-56.25	Caribou	1	1						37 of 56	C and E NF	Caribou
II	21-JUL-11 10:59:39AM	49.23	-56.32	Caribou	2			1		1		37 of 56	C and E NF	Caribou
II	20-JUL-11 3:27:39PM	49.03	-56.12	Caribou	1	1						38 of 56	C and E NF	Caribou
II	21-JUL-11 10:03:59AM	48.90	-55.61	Caribou	2	1				1		40 of 56	C and E NF	Caribou
II	21-JUL-11 10:00:36AM	48.86	-55.55	Caribou	3	1			1	1	adult, yearling, calf	41 of 56	C and E NF	Caribou
II	20-JUL-11 4:20:18PM	48.72	-55.22	Caribou	1	1						42 of 56	C and E NF	Caribou
II	21-JUL-11 9:50:22AM	48.73	-55.22	Caribou	1	1						42 of 56	C and E NF	Caribou
II	21-JUL-11 9:35:04AM	48.61	-54.70	Caribou	4	4						44 of 56	C and E NF	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 9:32:17AM	48.57	-54.61	Caribou	1	1						45 of 56	C and E NF	Caribou
II	21-JUL-11 9:20:54AM	48.39	-54.30	Caribou	2	2						46 of 56	C and E NF	Caribou
II	21-JUL-11 9:22:06AM	48.40	-54.34	Caribou	1	1						46 of 56	C and E NF	Caribou
II	21-JUL-11 9:22:25AM	48.40	-54.35	Caribou	1	1						46 of 56	C and E NF	Caribou
II	21-JUL-11 9:26:04AM	48.44	-54.46	Caribou	3	3						46 of 56	C and E NF	Caribou
II	20-JUL-11 2:55:27PM	49.43	-56.93	Common Loon	1	1						34 of 56	C and E NF	Waterfowl
II	20-JUL-11 4:20:59PM	48.71	-55.19	Common Raven	1	1						42 of 56	C and E NF	Other Avifauna
II	21-JUL-11 10:44:18AM	48.96	-56.06	Herring Gull	1	1						38 of 56	C and E NF	Other Avifauna - Waterbodies
II	21-JUL-11 9:53:01AM	48.76	-55.30	Herring Gull	1	1						42 of 56	C and E NF	Other Avifauna - Waterbodies
II	20-JUL-11 3:07:21PM	49.26	-56.66	Moose	1	1						35 of 56	C and E NF	Moose
II	21-JUL-11 11:15:27AM	49.28	-56.70	Moose	1		1					35 of 56	C and E NF	Moose
II	20-JUL-11 3:09:25PM	49.25	-56.59	Moose	1	1						36 of 56	C and E NF	Moose
II	20-JUL-11 3:16:04PM	49.24	-56.37	Moose	1	1						36 of 56	C and E NF	Moose
II	20-JUL-11 3:18:58PM	49.20	-56.28	Moose	1	1						37 of 56	C and E NF	Moose
II	20-JUL-11 3:21:56PM	49.13	-56.25	Moose	1	1						37 of 56	C and E NF	Moose
II	21-JUL-11 10:53:09AM	49.11	-56.22	Moose	1	1						37 of 56	C and E NF	Moose
II	20-JUL-11 3:28:26PM	49.01	-56.10	Moose	1	1						38 of 56	C and E NF	Moose
II	20-JUL-11 3:30:21PM	48.97	-56.09	Moose	1	1						38 of 56	C and E NF	Moose
II	20-JUL-11 3:30:35PM	48.96	-56.09	Moose	1	1						38 of 56	C and E NF	Moose
II	21-JUL-11 10:48:18AM	49.03	-56.12	Moose	2	2						38 of 56	C and E NF	Moose
II	20-JUL-11 3:33:19PM	48.93	-56.01	Moose	1	1						39 of 56	C and E NF	Moose
II	20-JUL-11 3:33:41PM	48.92	-55.99	Moose	1	1						39 of 56	C and E NF	Moose
II	20-JUL-11 3:34:36PM	48.91	-55.96	Moose	1	1						39 of 56	C and E NF	Moose
II	20-JUL-11 3:37:40PM	48.91	-55.84	Moose	1	1						39 of 56	C and E NF	Moose
II	20-JUL-11 3:38:00PM	48.91	-55.83	Moose	2			1		1	cow and calf	39 of 56	C and E NF	Moose
II	21-JUL-11 10:41:26AM	48.93	-55.97	Moose	1	1						39 of 56	C and E NF	Moose
II	20-JUL-11 3:38:49PM	48.91	-55.79	Moose	2			1		1	cow and calf	40 of 56	C and E NF	Moose
II	20-JUL-11 3:40:54PM	48.92	-55.71	Moose	1	1						40 of 56	C and E NF	Moose
II	20-JUL-11 4:09:23PM	48.85	-55.57	Moose	1	1						41 of 56	C and E NF	Moose
II	20-JUL-11 4:09:42PM	48.85	-55.56	Moose	1	1						41 of 56	C and E NF	Moose
II	20-JUL-11 4:14:34PM	48.78	-55.42	Moose	1	1						41 of 56	C and E NF	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	20-JUL-11 4:18:46PM	48.74	-55.28	Moose	1	1						42 of 56	C and E NF	Moose
II	20-JUL-11 4:24:07PM	48.69	-55.07	Moose	1	1						43 of 56	C and E NF	Moose
II	20-JUL-11 4:28:36PM	48.67	-54.90	Moose	1		1					43 of 56	C and E NF	Moose
II	20-JUL-11 4:36:13PM	48.57	-54.66	Moose	1	1						45 of 56	C and E NF	Moose
II	20-JUL-11 4:40:37PM	48.49	-54.57	Moose	1	1						45 of 56	C and E NF	Moose
II	20-JUL-11 4:46:17PM	48.41	-54.39	Moose	1		1					46 of 56	C and E NF	Moose
II	21-JUL-11 9:14:05AM	48.25	-54.13	Moose	1	1						47 of 56	C and E NF	Moose
II	21-JUL-11 9:19:35AM	48.37	-54.25	Moose	1	1						47 of 56	C and E NF	Moose
II	21-JUL-11 9:08:49AM	48.15	-53.99	Moose	2	1				1	cow and calf	48 of 56	C and E NF	Moose
II	20-JUL-11 5:05:15PM	48.06	-53.98	Moose	1	1						49 of 56	C and E NF	Moose
II	21-JUL-11 9:06:58AM	48.10	-53.97	Moose	1	1						49 of 56	C and E NF	Moose
II	21-JUL-11 10:33:56AM	48.92	-55.73	Red Tailed Hawk	1	1						40 of 56	C and E NF	Raptor
II	20-JUL-11 4:05:00PM	48.91	-55.64	Ring-necked Duck	25	25					Mixed Flock	40 of 56	C and E NF	Waterfowl
II	20-JUL-11 4:51:05PM	48.35	-54.22	Ring-necked Duck	2	2						47 of 56	C and E NF	Waterfowl
II	20-JUL-11 5:10:05PM	47.99	-53.95	Ring-necked Duck	1	1						49 of 56	C and E NF	Waterfowl
II	21-JUL-11 10:55:23AM	49.16	-56.25	Sandpiper	1	1						37 of 56	C and E NF	Other Avifauna - Waterbodies
II	40745.00	52.93	-60.24	Bald Eagle	2	1				1	Nest - Confirmation from previous sighting	03 of 56	C and SE Lab	Raptor
II	21-JUL-11 6:41:20PM	52.32	-58.60	Beaver	1	1						10 of 56	C and SE Lab	Beaver
II	21-JUL-11 6:31:07PM	52.24	-58.36	Beaver	1	1						11 of 56	C and SE Lab	Beaver
II	20-JUL-11 11:45:32AM	51.45	-56.98	Black Back Gull	2	2						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 5:18:11PM	51.85	-56.89	Black Bear	1	1						18 of 56	C and SE Lab	Other Mammal
II	22-JUL-11 9:15:33AM	53.15	-60.61	Black Duck	9	1				8	2A Young	01 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 9:40:33AM	52.91	-60.25	Black Duck	1	1						03 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:24:30PM	52.28	-58.25	Black Duck	20	10				10	4 single adults, 3 adult pairs, 10 young	12 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:25:38PM	52.27	-58.25	Black Duck	9	9					moulting	12 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 5:46:08PM	52.07	-57.38	Black Duck	3	3						15 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 5:29:09PM	51.99	-57.01	Black Duck	4	1				3		17 of 56	C and SE Lab	Waterfowl
II	22-JUL-11 9:18:36AM	53.16	-60.66	Canada Goose	8	8					flightless	01 of 56	C and SE Lab	Waterfowl
II	22-JUL-11 9:25:48AM	53.26	-60.79	Canada Goose	12	12					flightless	01 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:55:14PM	52.41	-59.03	Canada Goose	3	3						09 of 56	C and SE Lab	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 6:40:44PM	52.32	-58.60	Canada Goose	6	2				4		10 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 10:36:51AM	52.26	-58.53	Canada Goose							Brood	11 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:08:43PM	52.25	-57.93	Canada Goose	6	6						13 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:12:14PM	52.25	-57.97	Canada Goose	4	1				3		13 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 5:38:34PM	52.06	-57.19	Canada Goose	5	2				3		16 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:16:43PM	52.24	-58.06	Common Loon	1	1						12 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:19:47PM	52.24	-58.09	Common Loon	1	1						12 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:31:57PM	52.23	-58.35	Common Merganser	1	1						11 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:26:43PM	52.26	-58.25	Common Merganser	1	1						12 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 11:33:59AM	51.70	-56.89	Common Merganser	1	1						19 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 7:09:03PM	52.56	-59.40	Duck	4	1				3	Diver; Uncertain	07 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 10:31:30AM	52.33	-58.72	Duck, unknown							brood	10 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 10:36:21AM	52.27	-58.54	Duck, unknown								11 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 10:45:49AM	52.25	-58.19	Duck, unknown							Brood	12 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 9:36:26AM	52.98	-60.32	Goldeneye	1			1				03 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 9:33:01AM	53.02	-60.43	Herring Gull	1	1						02 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	22-JUL-11 9:03:22AM	53.08	-60.45	Herring Gull	1	1						02 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 9:34:09AM	53.00	-60.39	Herring Gull	1	1						03 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 10:01:06AM	52.64	-59.68	Herring Gull	1	1						06 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:48:54PM	52.34	-58.82	Herring Gull	1	1						10 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:31:23PM	52.23	-58.36	Herring Gull	1	1						11 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:28:39PM	52.25	-58.29	Herring Gull	1	1						12 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 11:07:12AM	52.05	-57.42	Herring Gull	2	2						15 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 5:47:38PM	52.06	-57.43	Herring Gull	1	1						15 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 11:37:01AM	51.64	-56.94	Herring Gull	2	2						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 5:06:54PM	51.64	-56.92	Herring Gull	1	1						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 5:08:47PM	51.68	-56.89	Herring Gull	1	1						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 5:09:25PM	51.70	-56.87	Herring Gull	2	2						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 11:44:41AM	51.47	-56.99	Herring Gull	1	1						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 11:46:31AM	51.43	-56.97	Herring Gulls/Black Back Gulls	20	20-30					Mixed flock; 20-30	20 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 9:32:06AM	53.02	-60.45	Moose	2	1				1	moose and calf	02 of 56	C and SE Lab	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 6:40:44PM	52.32	-58.60	Moose	1	1						10 of 56	C and SE Lab	Moose
II	21-JUL-11 5:04:13PM	51.57	-56.91	Moose	2			1		1	cow and calf	20 of 56	C and SE Lab	Moose
II	20-JUL-11 9:37:06AM	52.97	-60.31	Osprey	1	1						03 of 56	C and SE Lab	Raptor
II	21-JUL-11 6:54:18PM	52.39	-59.01	Osprey	1	1					in flight	09 of 56	C and SE Lab	Raptor
II	20-JUL-11 10:32:43AM	52.32	-58.66	Osprey	1	1						10 of 56	C and SE Lab	Raptor
II	20-JUL-11 10:59:53AM	52.12	-57.67	Osprey							Osprey nest with chicks	14 of 56	C and SE Lab	Raptor
II	20-JUL-11 11:12:40AM	52.06	-57.28	Osprey	1	1						16 of 56	C and SE Lab	Raptor
II	21-JUL-11 5:42:26PM	52.06	-57.28	Osprey	1	1					on nest	16 of 56	C and SE Lab	Raptor
II	20-JUL-11 11:21:52AM	51.94	-56.99	Osprey	1	1						17 of 56	C and SE Lab	Raptor
II	21-JUL-11 5:23:14PM	51.92	-56.96	Osprey	1	1					on active nest	17 of 56	C and SE Lab	Raptor
II	20-JUL-11 9:35:42AM	52.99	-60.34	Red Tailed Hawk	1	1						03 of 56	C and SE Lab	Raptor
II	20-JUL-11 10:04:50AM	52.58	-59.58	Red Tailed Hawk	1	1						07 of 56	C and SE Lab	Raptor
II	21-JUL-11 5:56:16PM	52.13	-57.66	Red Tailed Hawk	1	1						14 of 56	C and SE Lab	Raptor
II	21-JUL-11 6:18:42PM	52.25	-58.07	Ring-necked Duck	6		5	1				12 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:03:47PM	52.21	-57.81	Ring-necked Duck	5		1	4				13 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:08:43PM	52.25	-57.93	Ring-necked Duck	2	2						13 of 56	C and SE Lab	Waterfowl
II	20-JUL-11 10:33:07AM	52.31	-58.65	Rough-legged Hawk	1	1					Uncertain	10 of 56	C and SE Lab	Raptor
II	21-JUL-11 5:37:52PM	52.06	-57.17	Rough-legged Hawk	1	1						16 of 56	C and SE Lab	Raptor
II	20-JUL-11 10:02:03AM	52.62	-59.65	Sandpiper	1	1						06 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 10:02:25AM	52.62	-59.64	Sandpiper	1	1						06 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 7:07:57PM	52.55	-59.38	Sandpiper	2	2						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 10:36:24AM	52.27	-58.53	Sandpiper	1	1					Uncertain	11 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:26:10PM	52.26	-58.25	Sandpiper	2	2						12 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:41:55PM	52.32	-58.61	Scaup	1		1					10 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 6:59:19PM	52.46	-59.13	Scoter	1	1					Uncertain	08 of 56	C and SE Lab	Waterfowl
II	21-JUL-11 7:06:27PM	52.55	-59.34	Tern	1	1						07 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:56:11PM	52.43	-59.05	Tern	5	5						09 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 9:32:16AM	53.02	-60.45	Yellow Legs	1	1						02 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 10:01:38AM	52.63	-59.66	Yellow Legs	1	1						06 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 10:02:09AM	52.62	-59.65	Yellow Legs	3	3						06 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 7:15:39PM	52.61	-59.60	Yellow Legs	1	1						06 of 56	C and SE Lab	Other Avifauna - Waterbodies

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	20-JUL-11 10:18:18AM	52.45	-59.16	Yellow Legs	1	1						08 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:35:48PM	52.25	-58.47	Yellow Legs	1	1						11 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	20-JUL-11 10:45:49AM	52.25	-58.19	Yellow Legs	1	1						12 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:29:07PM	52.25	-58.30	Yellow Legs	1	1						12 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 6:08:43PM	52.25	-57.93	Yellow Legs	1	1						13 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 5:26:32PM	51.96	-57.00	Yellow Legs	2	2						17 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 5:30:46PM	52.01	-57.03	Yellow Legs	1	1						17 of 56	C and SE Lab	Other Avifauna - Waterbodies
II	21-JUL-11 3:24:16PM	50.81	-56.82	Caribou carcass								24 of 56	N Pen	Caribou Activity
II	21-JUL-11 1:31:48PM	50.29	-57.38	Moose, carcass								28 of 56	N Pen	Moose Activity
II	20-JUL-11 12:45:32PM	51.20	-56.57	Bald Eagle	1				1			22 of 56	N Pen	Raptor
II	20-JUL-11 12:54:47PM	51.00	-56.66	Bald Eagle	1	1						23 of 56	N Pen	Raptor
II	21-JUL-11 1:06:28PM	50.21	-57.44	Bald Eagle	1	1						28 of 56	N Pen	Raptor
II	21-JUL-11 4:07:01PM	51.34	-56.67	Black Back Gull	1	1						21 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 1:04:14PM	50.83	-56.83	Black Bear	1	1						24 of 56	N Pen	Other Mammal
II	21-JUL-11 3:01:27PM	50.62	-57.02	Black Duck	8	8						25 of 56	N Pen	Waterfowl
II	21-JUL-11 2:47:30PM	50.48	-57.12	Black Duck	8	2				7		26 of 56	N Pen	Waterfowl
II	21-JUL-11 1:41:19PM	50.43	-57.26	Black Duck	1	1						27 of 56	N Pen	Waterfowl
II	21-JUL-11 1:15:56PM	50.28	-57.35	Black Duck	1	1						28 of 56	N Pen	Waterfowl
II	20-JUL-11 2:54:16PM	49.45	-56.95	Black Duck	2	2						33 of 56	N Pen	Waterfowl
II	21-JUL-11 4:00:02PM	51.23	-56.61	Canada Goose	16	16						21 of 56	N Pen	Waterfowl
II	21-JUL-11 3:46:13PM	50.95	-56.69	Canada Goose	4	2				2		23 of 56	N Pen	Waterfowl
II	21-JUL-11 3:20:27PM	50.76	-56.88	Canada Goose	3	2				1		24 of 56	N Pen	Waterfowl
II	21-JUL-11 2:59:39PM	50.62	-57.01	Canada Goose	7	7					Moulting	25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:16:54PM	50.73	-56.92	Canada Goose	1	1						25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:18:04PM	50.73	-56.90	Canada Goose	25	25					Moulting	25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:19:35PM	50.75	-56.89	Canada Goose	26	26					Moulting	25 of 56	N Pen	Waterfowl
II	21-JUL-11 2:46:01PM	50.48	-57.12	Canada Goose	9	6				3		26 of 56	N Pen	Waterfowl
II	21-JUL-11 1:41:19PM	50.43	-57.26	Canada Goose	6	6						27 of 56	N Pen	Waterfowl
II	21-JUL-11 1:42:20PM	50.43	-57.28	Canada Goose	15	4				11	1 pair with 2 young, 1 pair with 9 young	27 of 56	N Pen	Waterfowl
II	20-JUL-11 1:34:03PM	50.31	-57.37	Canada Goose	6	6						28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:20:51PM	50.27	-57.32	Canada Goose	3	3						28 of 56	N Pen	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 1:25:43PM	50.25	-57.41	Canada Goose	6	4				2		28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:31:05PM	50.28	-57.38	Canada Goose	7	2				5		28 of 56	N Pen	Waterfowl
II	21-JUL-11 12:47:25PM	49.94	-57.41	Canada Goose	6	6						30 of 56	N Pen	Waterfowl
II	21-JUL-11 12:49:35PM	49.97	-57.36	Canada Goose	4	4						30 of 56	N Pen	Waterfowl
II	20-JUL-11 12:56:16PM	50.97	-56.69	Caribou	1	1						23 of 56	N Pen	Caribou
II	20-JUL-11 1:06:17PM	50.80	-56.86	Caribou	4	4						24 of 56	N Pen	Caribou
II	21-JUL-11 3:22:20PM	50.79	-56.86	Caribou	1		1					24 of 56	N Pen	Caribou
II	21-JUL-11 1:10:51PM	50.24	-57.41	Caribou	1	1						28 of 56	N Pen	Caribou
II	20-JUL-11 1:50:58PM	50.04	-57.40	Caribou	1	1						29 of 56	N Pen	Caribou
II	20-JUL-11 1:51:31PM	50.03	-57.40	Caribou	10		10					30 of 56	N Pen	Caribou
II	21-JUL-11 12:49:01PM	49.96	-57.37	Caribou	2	1				1	calf	30 of 56	N Pen	Caribou
II	21 July 2011	49.97	57.32	Caribou	400	>400				8+	Large herd (300-400+), including 1 collared animal, 8-10+ calves; location derived from map	30 of 56	N Pen	Caribou
II	21-JUL-11 12:50:38PM	49.99	-57.37	Caribou	65	65						30 of 56	N Pen	Caribou
II	21-JUL-11 12:53:14PM	50.00	-57.38	Caribou	12	12						30 of 56	N Pen	Caribou
II	20-JUL-11 2:44:30PM	49.67	-57.09	Caribou	1	1						32 of 56	N Pen	Caribou
II	21-JUL-11 4:01:13PM	51.23	-56.64	Common Loon	1	1						21 of 56	N Pen	Waterfowl
II	21-JUL-11 1:29:47PM	50.26	-57.42	Common Loon	1	1						28 of 56	N Pen	Waterfowl
II	20-JUL-11 2:54:09PM	49.46	-56.95	Common Loon	1	1						33 of 56	N Pen	Waterfowl
II	21-JUL-11 4:04:59PM	51.31	-56.69	Common Merganser	1	1				4	1C young	21 of 56	N Pen	Waterfowl
II	21-JUL-11 4:06:10PM	51.32	-56.69	Common Merganser	1	1						21 of 56	N Pen	Waterfowl
II	21-JUL-11 3:33:05PM	50.80	-56.78	Common Merganser	1	1						24 of 56	N Pen	Waterfowl
II	21-JUL-11 2:57:04PM	50.62	-56.99	Common Merganser	1	1				8	1 C young	25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:12:17PM	50.71	-56.98	Common Merganser	1	1						25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:12:45PM	50.71	-56.98	Common Merganser	9	1				8	1 C young	25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:16:00PM	50.73	-56.93	Common Merganser	1	1						25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:18:38PM	50.74	-56.90	Common Merganser	2	2						25 of 56	N Pen	Waterfowl
II	21-JUL-11 3:19:35PM	50.75	-56.89	Common Merganser	2	2						25 of 56	N Pen	Waterfowl
II	21-JUL-11 1:50:41PM	50.44	-57.21	Common Merganser	5					5		27 of 56	N Pen	Waterfowl
II	21-JUL-11 1:07:43PM	50.22	-57.44	Common Merganser	1	1						28 of 56	N Pen	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 1:10:22PM	50.24	-57.42	Common Merganser	1	1						28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:14:56PM	50.27	-57.36	Common Merganser	6	1				5	1B young	28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:15:45PM	50.28	-57.35	Common Merganser	6	1				5	2A young	28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:19:40PM	50.28	-57.33	Common Merganser	11	6				5		28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:19:52PM	50.28	-57.33	Common Merganser	1	1						28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:21:10PM	50.27	-57.33	Common Merganser	3	3						28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:21:54PM	50.26	-57.33	Common Merganser	4					4	1B young	28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:22:12PM	50.26	-57.32	Common Merganser	3	3						28 of 56	N Pen	Waterfowl
II	20-JUL-11 1:15:37PM	50.63	-57.02	Common Raven	3	3						25 of 56	N Pen	Other Avifauna
II	21-JUL-11 3:50:44PM	51.04	-56.61	Duck, unknown	2	2						22 of 56	N Pen	Waterfowl
II	20-JUL-11 1:20:41PM	50.53	-57.06	Duck, unknown	3	3						26 of 56	N Pen	Waterfowl
II	20-JUL-11 2:50:21PM	49.54	-57.02	Duck, unknown	2	2						33 of 56	N Pen	Waterfowl
II	21-JUL-11 1:07:43PM	50.22	-57.44	Goldeneye	6	6						28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:18:28PM	50.29	-57.34	Goshawk	1	1						28 of 56	N Pen	Raptor
II	21-JUL-11 1:18:07PM	50.29	-57.34	Great Horned Owl	1	1						28 of 56	N Pen	Raptor
II	21-JUL-11 1:26:28PM	50.25	-57.41	Harrier	2	2						28 of 56	N Pen	Raptor
II	20-JUL-11 12:57:58PM	50.94	-56.73	Herring Gull	1	1						23 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:37:45PM	50.85	-56.75	Herring Gull	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 1:12:26PM	50.69	-57.01	Herring Gull	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:11:53PM	50.71	-56.99	Herring Gull	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:18:38PM	50.74	-56.90	Herring Gull	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 1:26:16PM	50.45	-57.22	Herring Gull	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 1:27:04PM	50.44	-57.24	Herring Gull	2	2						27 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:39:39PM	50.42	-57.23	Herring Gull	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:43:55PM	50.43	-57.26	Herring Gull	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 2:06:53PM	49.76	-57.19	Herring Gull	1	1						31 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 12:40:00PM	51.28	-56.70	Moose	2			1		1	cow and calf	21 of 56	N Pen	Moose
II	20-JUL-11 12:42:57PM	51.23	-56.64	Moose	1			1				21 of 56	N Pen	Moose
II	20-JUL-11 1:03:15PM	50.85	-56.82	Moose	1				1		yearling	24 of 56	N Pen	Moose
II	20-JUL-11 1:08:25PM	50.76	-56.90	Moose	1	1						24 of 56	N Pen	Moose
II	21-JUL-11 3:21:26PM	50.78	-56.87	Moose	1	1						24 of 56	N Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	20-JUL-11 1:09:17PM	50.75	-56.92	Moose	1	1						25 of 56	N Pen	Moose
II	20-JUL-11 1:09:28PM	50.74	-56.93	Moose	2			1		1	cow and calf	25 of 56	N Pen	Moose
II	21-JUL-11 3:08:00PM	50.67	-57.00	Moose	1	1						25 of 56	N Pen	Moose
II	21-JUL-11 3:08:54PM	50.68	-57.00	Moose	2			1		1	cow and calf	25 of 56	N Pen	Moose
II	21-JUL-11 3:09:49PM	50.70	-56.99	Moose	2	2						25 of 56	N Pen	Moose
II	21-JUL-11 3:20:05PM	50.76	-56.88	Moose	1	1						25 of 56	N Pen	Moose
II	20-JUL-11 1:21:11PM	50.52	-57.08	Moose	1	1						26 of 56	N Pen	Moose
II	21-JUL-11 2:53:13PM	50.57	-57.01	Moose	1	1						26 of 56	N Pen	Moose
II	20-JUL-11 1:27:16PM	50.43	-57.25	Moose	1		1					27 of 56	N Pen	Moose
II	20-JUL-11 1:31:25PM	50.36	-57.33	Moose	1	1						27 of 56	N Pen	Moose
II	21-JUL-11 1:36:20PM	50.36	-57.30	Moose	1	1						27 of 56	N Pen	Moose
II	21-JUL-11 1:37:20PM	50.38	-57.29	Moose	1	1						27 of 56	N Pen	Moose
II	20-JUL-11 1:33:37PM	50.32	-57.36	Moose	1	1						28 of 56	N Pen	Moose
II	20-JUL-11 1:37:35PM	50.27	-57.44	Moose	1		1					28 of 56	N Pen	Moose
II	20-JUL-11 1:38:39PM	50.26	-57.47	Moose	1	1						28 of 56	N Pen	Moose
II	21-JUL-11 1:12:05PM	50.26	-57.40	Moose	1					1	calf	28 of 56	N Pen	Moose
II	21-JUL-11 1:20:08PM	50.28	-57.32	Moose	1	1						28 of 56	N Pen	Moose
II	21-JUL-11 1:25:37PM	50.25	-57.41	Moose	2			1		1	cow and calf	28 of 56	N Pen	Moose
II	21-JUL-11 1:33:40PM	50.31	-57.34	Moose	1	1						28 of 56	N Pen	Moose
II	20-JUL-11 1:45:34PM	50.12	-57.48	Moose	2			1		1	cow and calf	29 of 56	N Pen	Moose
II	20-JUL-11 1:45:50PM	50.12	-57.47	Moose	1		1					29 of 56	N Pen	Moose
II	20-JUL-11 1:45:58PM	50.11	-57.47	Moose	1	1						29 of 56	N Pen	Moose
II	20-JUL-11 1:46:21PM	50.11	-57.47	Moose	2			1		1	cow and calf	29 of 56	N Pen	Moose
II	20-JUL-11 1:49:15PM	50.07	-57.42	Moose	1	1						29 of 56	N Pen	Moose
II	20-JUL-11 1:49:45PM	50.07	-57.40	Moose	1	1						29 of 56	N Pen	Moose
II	20-JUL-11 1:50:19PM	50.06	-57.40	Moose	1	1						29 of 56	N Pen	Moose
II	21-JUL-11 1:00:52PM	50.13	-57.46	Moose	2	2						29 of 56	N Pen	Moose
II	20-JUL-11 1:54:30PM	49.97	-57.38	Moose	1	1						30 of 56	N Pen	Moose
II	20-JUL-11 1:57:04PM	49.93	-57.42	Moose	1		1					30 of 56	N Pen	Moose
II	21-JUL-11 12:47:38PM	49.94	-57.41	Moose	1	1						30 of 56	N Pen	Moose
II	21-JUL-11 12:55:05PM	50.04	-57.38	Moose	1					1	calf	30 of 56	N Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 12:42:35PM	49.88	-57.33	Moose	2	2						31 of 56	N Pen	Moose
II	21-JUL-11 12:30:05PM	49.68	-57.08	Moose	1	1						32 of 56	N Pen	Moose
II	21-JUL-11 12:31:24PM	49.72	-57.10	Moose	1	1						32 of 56	N Pen	Moose
II	21-JUL-11 3:34:54PM	50.81	-56.76	Passerine	1	1						24 of 56	N Pen	Other Avifauna
II	20-JUL-11 1:05:21PM	50.82	-56.85	Passerine, unknown	1	1						24 of 56	N Pen	Other Avifauna
II	20-JUL-11 1:44:46PM	50.13	-57.48	Passerine, unknown	3	3						29 of 56	N Pen	Other Avifauna
II	21-JUL-11 1:00:21PM	50.12	-57.46	Passerine, Unknown	1	1						29 of 56	N Pen	Other Avifauna
II	21-JUL-11 2:59:39PM	50.62	-57.01	Ring-necked Duck	1		1					25 of 56	N Pen	Waterfowl
II	21-JUL-11 1:17:36PM	50.29	-57.35	Ring-necked Duck	1	1						28 of 56	N Pen	Waterfowl
II	21-JUL-11 1:01:03PM	50.13	-57.46	Rough-legged Hawk	1	1						29 of 56	N Pen	Raptor
II	20-JUL-11 1:03:45PM	50.84	-56.82	Sandpiper	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:31:42PM	50.79	-56.79	Sandpiper	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:37:25PM	50.84	-56.75	Sandpiper	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:42:39PM	50.89	-56.78	Sandpiper	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 2:57:34PM	50.62	-56.99	Sandpiper	2	2						25 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 2:58:34PM	50.62	-57.00	Sandpiper	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:41:56PM	50.43	-57.27	Sandpiper	3	3						27 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:43:00PM	50.42	-57.28	Sandpiper	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:15:23PM	50.28	-57.36	Sandpiper	1	1						28 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:17:36PM	50.29	-57.35	Sandpiper	2	2						28 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:18:01PM	50.29	-57.34	Sandpiper	1	1						28 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:29:36PM	50.26	-57.42	Sandpiper	1	1						28 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 12:47:13PM	51.16	-56.56	Tern	1	1						22 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 12:47:32PM	51.15	-56.57	Tern	1	1						22 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 12:49:10PM	51.12	-56.59	Tern	1	1						22 of 56	N Pen	Other Avifauna - Waterbodies
II	20-JUL-11 12:57:58PM	50.94	-56.73	Tern	1	1						23 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:49:38PM	51.02	-56.62	Tern	1	1						23 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:31:01PM	50.78	-56.79	Tern	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 3:32:21PM	50.79	-56.78	Tern	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:11:37PM	50.25	-57.41	Tern	1	1						28 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:30:17PM	50.27	-57.40	Tern	8	8						28 of 56	N Pen	Other Avifauna - Waterbodies

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
II	21-JUL-11 3:51:19PM	51.06	-56.61	Yellow Legs	1	1						22 of 56	N Pen	Other Avifauna - Waterbodies
II	21-JUL-11 1:41:56PM	50.43	-57.27	Yellow Legs	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies
III	31-AUG-11 3:33:55PM	47.48	-53.62	Canada Goose	1	1						53 of 56	Avalon Pen	Waterfowl
III	31-AUG-11 3:35:36PM	47.50	-53.66	Cattle, herefords	6	6						53 of 56	Avalon Pen	Other Mammal
III	31-AUG-11 1:35:45PM	47.69	-53.91	Common Loon	1	1						51 of 56	Avalon Pen	Waterfowl
III	31-AUG-11 3:57:26PM	47.96	-53.94	Common Loon	2	2						50 of 56	Avalon Pen	Waterfowl
III	31-AUG-11 1:26:36PM	47.91	-53.94	Common Raven	14	14					Sean: 14 ravens; Bruce: 2 ravens	50 of 56	Avalon Pen	Other Avifauna
III	31-AUG-11 1:42:22PM	47.57	-53.75	Common Raven	1	1						52 of 56	Avalon Pen	Other Avifauna
III	31-AUG-11 1:38:14PM	47.63	-53.86	Herring Gull	1	1						52 of 56	Avalon Pen	Other Avifauna - Waterbodies
III	31-AUG-11 3:20:28PM	47.36	-53.18	Herring Gull	1	1						55 of 56	Avalon Pen	Other Avifauna - Waterbodies
III	31-AUG-11 1:26:36PM	47.91	-53.94	Herring Gull/Black Back Gull	60	60					mixed flock	50 of 56	Avalon Pen	Other Avifauna - Waterbodies
III	31-AUG-11 1:28:04PM	47.87	-53.95	Moose	1		1					50 of 56	Avalon Pen	Moose
III	31-AUG-11 1:40:15PM	47.60	-53.82	Moose	1			1				52 of 56	Avalon Pen	Moose
III	31-AUG-11 3:20:21PM	47.36	-53.18	Moose	1	1						55 of 56	Avalon Pen	Moose
III	31-AUG-11 3:43:43PM	47.62	-53.84	Moose	2			1	1			52 of 56	Avalon Pen	Moose
III	31-AUG-11 3:53:51PM	47.86	-53.95	Moose	1	1						50 of 56	Avalon Pen	Moose
III	31-AUG-11 3:56:27PM	47.93	-53.94	Moose	1	1						50 of 56	Avalon Pen	Moose
III	31-AUG-11 1:41:13PM	47.59	-53.78	Osprey	1	1						52 of 56	Avalon Pen	Raptor
III	31-AUG-11 1:59:59PM	47.36	-53.26	Osprey	1	1						54 of 56	Avalon Pen	Raptor
III	31-AUG-11 1:31:53PM	47.78	-53.94	Rough Legged Hawk	1	1						51 of 56	Avalon Pen	Raptor
III	31-AUG-11 1:31:53PM	47.78	-53.94	Yellowlegs	1	1						51 of 56	Avalon Pen	Other Avifauna - Waterbodies
III	31-AUG-11 1:18:52PM	48.07	-53.98	Black Back Gull	1	1						49 of 56	C and E NF	Other Avifauna - Waterbodies
III	31-AUG-11 4:28:25PM	48.54	-54.60	Black Bear	1	1						45 of 56	C and E NF	Other Mammal
III	31-AUG-11 4:45:08PM	48.73	-55.18	Black Bear	1	1						42 of 56	C and E NF	Other Mammal
III	31-AUG-11 5:44:00PM	49.08	-56.22	Black Bear	1	1						38 of 56	C and E NF	Other Mammal
III	31-AUG-11 11:25:10AM	49.23	-56.34	Black Duck	1	1						36 of 56	C and E NF	Waterfowl
III	31-AUG-11 4:43:38PM	48.72	-55.12	Black Duck	1	1						43 of 56	C and E NF	Waterfowl
III	40786.00	49.20	-56.30	Canada Goose	7	7						37 of 56	C and E NF	Waterfowl
III	31-AUG-11 12:32:25PM	48.76	-55.34	Canada Goose	1	1						42 of 56	C and E NF	Waterfowl
III	31-AUG-11 1:23:42PM	47.98	-53.95	Canada Goose	2	2						49 of 56	C and E NF	Waterfowl
III	31-AUG-11 4:08:32PM	48.20	-54.05	Canada Goose	6	6						48 of 56	C and E NF	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	31-AUG-11 5:41:32PM	49.04	-56.14	Canada Goose	4	4						38 of 56	C and E NF	Waterfowl
III	31-AUG-11 11:03:25AM	49.43	-56.92	Caribou	1			1				34 of 56	C and E NF	Caribou
III	31-AUG-11 11:25:10AM	49.23	-56.34	Caribou	1	1						36 of 56	C and E NF	Caribou
III	31-AUG-11 4:30:04PM	48.57	-54.64	Caribou	1	1						45 of 56	C and E NF	Caribou
III	31-AUG-11 4:51:17PM	48.79	-55.40	Caribou	1			1				41 of 56	C and E NF	Caribou
III	17:13 29-AUG-11	48.96	-56.07	Caribou	1	1						39 of 56	C and E NF	Caribou
III	31-AUG-11 5:55:06PM	49.30	-56.48	Caribou	1			1				36 of 56	C and E NF	Caribou
III	31-AUG-11 6:08:35PM	49.43	-56.92	Caribou	1	1						34 of 56	C and E NF	Caribou
III	31-AUG-11 11:41:47AM	48.94	-56.03	Common Loon	1	1						39 of 56	C and E NF	Waterfowl
III	31-AUG-11 12:24:02PM	48.87	-55.58	Common Loon	1	1						41 of 56	C and E NF	Waterfowl
III	31-AUG-11 4:47:39PM	48.74	-55.27	Common Loon	1	1						42 of 56	C and E NF	Waterfowl
III	31-AUG-11 4:51:17PM	48.79	-55.40	Common Loon	2	2						41 of 56	C and E NF	Waterfowl
III	30-AUG-11 7:10:05PM	49.45	-56.95	Common Raven	4	4						34 of 56	C and E NF	Other Avifauna
III	31-AUG-11 1:16:45PM	48.12	-53.98	Common Raven	1	1						48 of 56	C and E NF	Other Avifauna
III	31-AUG-11 4:14:52PM	48.33	-54.21	Duck, unidentified	5	5						47 of 56	C and E NF	Waterfowl
III	31-AUG-11 6:03:46PM	49.32	-56.82	Duck, unidentified	1	1						34 of 56	C and E NF	Waterfowl
III	31-AUG-11 6:07:47PM	49.41	-56.90	Duck, unidentified	1	1					in flight	34 of 56	C and E NF	Waterfowl
III	31-AUG-11 12:53:45PM	48.52	-54.58	Duck, unidentified diver	1	1						45 of 56	C and E NF	Waterfowl
III	31-AUG-11 11:04:12AM	49.42	-56.92	Moose	1	1						34 of 56	C and E NF	Moose
III	31-AUG-11 11:18:25AM	49.27	-56.56	Moose	1			1				36 of 56	C and E NF	Moose
III	31-AUG-11 11:42:12AM	48.93	-56.01	Moose	1		1					39 of 56	C and E NF	Moose
III	31-AUG-11 11:46:26AM	48.91	-55.88	Moose	1	1						39 of 56	C and E NF	Moose
III	31-AUG-11 12:31:25PM	48.77	-55.37	Moose	1	1						41 of 56	C and E NF	Moose
III	31-AUG-11 12:33:17PM	48.75	-55.32	Moose	1	1					swimming	42 of 56	C and E NF	Moose
III	31-AUG-11 12:37:07PM	48.72	-55.19	Moose	2			1	1			42 of 56	C and E NF	Moose
III	31-AUG-11 1:09:59PM	48.24	-54.13	Moose	1			1				48 of 56	C and E NF	Moose
III	31-AUG-11 1:12:46PM	48.20	-54.06	Moose	2			1	1			48 of 56	C and E NF	Moose
III	31-AUG-11 4:21:37PM	48.43	-54.41	Moose	1			1				46 of 56	C and E NF	Moose
III	31-AUG-11 4:22:57PM	48.44	-54.45	Moose	1	1						46 of 56	C and E NF	Moose
III	31-AUG-11 4:28:49PM	48.55	-54.60	Moose	1		1					45 of 56	C and E NF	Moose
III	31-AUG-11 4:32:10PM	48.60	-54.71	Moose	2			1	1			44 of 56	C and E NF	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	31-AUG-11 4:42:06PM	48.70	-55.05	Moose	2			1	1			43 of 56	C and E NF	Moose
III	31-AUG-11 4:44:31PM	48.72	-55.15	Moose	1		1					42 of 56	C and E NF	Moose
III	31-AUG-11 4:46:01PM	48.73	-55.21	Moose	1		1					42 of 56	C and E NF	Moose
III	31-AUG-11 4:49:42PM	48.77	-55.34	Moose	2			1	1			42 of 56	C and E NF	Moose
III	31-AUG-11 4:53:04PM	48.82	-55.47	Moose	1	1						41 of 56	C and E NF	Moose
III	31-AUG-11 4:54:43PM	48.84	-55.53	Moose	1	1						41 of 56	C and E NF	Moose
III	31-AUG-11 4:55:49PM	48.86	-55.56	Moose	1	1						41 of 56	C and E NF	Moose
III	31-AUG-11 4:57:33PM	48.88	-55.59	Moose	1	1						40 of 56	C and E NF	Moose
III	31-AUG-11 5:28:19PM	48.92	-55.71	Moose	1	1						40 of 56	C and E NF	Moose
III	31-AUG-11 5:34:43PM	48.92	-55.97	Moose	1		1					39 of 56	C and E NF	Moose
III	31-AUG-11 5:34:59PM	48.93	-55.98	Moose	1			1				39 of 56	C and E NF	Moose
III	31-AUG-11 5:36:52PM	48.95	-56.05	Moose	2	2						39 of 56	C and E NF	Moose
III	31-AUG-11 5:38:33PM	48.98	-56.09	Moose	2	2						38 of 56	C and E NF	Moose
III	31-AUG-11 5:39:36PM	49.00	-56.10	Moose	1	1						38 of 56	C and E NF	Moose
III	31-AUG-11 5:39:56PM	49.01	-56.10	Moose	1	1						38 of 56	C and E NF	Moose
III	31-AUG-11 5:44:09PM	49.08	-56.22	Moose	1	1						38 of 56	C and E NF	Moose
III	31-AUG-11 5:50:35PM	49.23	-56.32	Moose	1	1						37 of 56	C and E NF	Moose
III	31-AUG-11 5:54:28PM	49.30	-56.45	Moose	1	1						36 of 56	C and E NF	Moose
III	31-AUG-11 5:55:54PM	49.29	-56.51	Moose	2			1	1			36 of 56	C and E NF	Moose
III	31-AUG-11 5:59:02PM	49.27	-56.65	Moose	2			1	1			35 of 56	C and E NF	Moose
III	31-AUG-11 5:59:27PM	49.28	-56.66	Moose	1			1				35 of 56	C and E NF	Moose
III	31-AUG-11 6:00:23PM	49.28	-56.69	Moose	1		1					35 of 56	C and E NF	Moose
III	31-AUG-11 6:01:18PM	49.29	-56.74	Moose	1	1						35 of 56	C and E NF	Moose
III	31-AUG-11 4:56:06PM	48.87	-55.57	Ring-necked Duck	7	7					Sean: 7; Bruce: 9	40 of 56	C and E NF	Waterfowl
III	01-SEP-11 2:35:16PM	52.27	-58.24	Bald Eagle	1	1						12 of 56	C and SE Lab	Raptor
III	01-SEP-11 5:17:33PM	52.93	-60.24	Bald Eagle	1			1			Sean indicates 1 immature BAEA; Bruce indicates 1 Ad+1young on nest	03 of 56	C and SE Lab	Raptor
III	30-AUG-11 5:27:45PM	51.44	-56.96	Black Back Gull	1	1					Sean: saddleback; Bruce: Black Back	20 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 4:43:37PM	51.76	-56.86	Black Bear	1	1						18 of 56	C and SE Lab	Other Mammal
III	01-SEP-11 1:22:36PM	51.56	-56.91	Black Bear	1	1						19 of 56	C and SE Lab	Other Mammal

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	01-SEP-11 2:26:40PM	52.25	-58.02	Black Bear	1	1					Sean: noted black bear\$; Bruce: noted black bear	13 of 56	C and SE Lab	Other Mammal
III	30-AUG-11 4:33:45PM	51.97	-57.01	Black Duck	2	2						17 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 5:26:32PM	51.47	-56.98	Black Duck	32	32					5 broods, class III	20 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 5:27:45PM	51.44	-56.96	Black Duck	1	1						20 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 2:23:55PM	52.25	-57.92	Black Duck	2	2						13 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 2:33:31PM	52.28	-58.25	Black Duck	70							12 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 2:34:30PM	52.27	-58.25	Black Duck	7	7						12 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 2:35:59PM	52.27	-58.25	Black Duck	28	28						12 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 2:49:16PM	52.32	-58.64	Black Duck	1	1						10 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 3:11:34PM	52.45	-59.11	Black Duck	5	5						08 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 3:25:44PM	52.57	-59.43	Black Duck	8	8						07 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 3:28:11PM	52.58	-59.51	Black Duck	2	2						07 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 5:06:33PM	52.78	-59.99	Black Duck	1	1						04 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 5:17:24PM	52.93	-60.24	Black Duck	7	7						03 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:22:54PM	52.74	-59.82	Canada Goose	6	6					geese with brood of ducks	05 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 4:09:19PM	52.24	-57.94	Canada Goose	5	5						13 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 4:28:02PM	52.05	-57.19	Canada Goose	2	2						16 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 3:25:27PM	52.57	-59.42	Canada Goose	12	12						07 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:07:44PM	53.00	-60.36	Common Loon	1	1						02 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:22:38PM	52.74	-59.83	Common Loon	1	1						05 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:53:17PM	52.31	-58.61	Common Loon	1	1						10 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 5:23:55PM	51.51	-56.97	Common Loon	1	1						20 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 2:55:45PM	52.34	-58.81	Common Loon	1	1						10 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 12:42:58PM	51.44	-56.95	Common Raven	1	1						20 of 56	C and SE Lab	Other Avifauna
III	01-SEP-11 1:29:12PM	51.73	-56.84	Duck, unidentified	4	4					Observation marked on Bruce's copy but not Sean's	18 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:22:54PM	52.74	-59.82	Ducks, unidentified							brood of ducks with geese	05 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 5:25:50PM	51.47	-56.98	Ducks, unidentified	8	8						20 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 4:48:56PM	51.63	-56.93	Gull	1	1						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 4:49:33PM	51.61	-56.93	Gull	1	1						19 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 5:25:23PM	51.48	-56.98	Gull	1	1						20 of 56	C and SE Lab	Other Avifauna - Waterbodies

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	01-SEP-11 12:40:53PM	51.43	-56.96	Gull	50	50						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	01-SEP-11 12:42:58PM	51.44	-56.95	Gull	12	12						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	01-SEP-11 12:46:10PM	51.50	-56.95	Gull	10	10						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 5:23:30PM	51.51	-56.95	Herring Gull	2	1			1			20 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 5:27:45PM	51.44	-56.96	Herring Gull	2	2						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 3:47:25PM	52.34	-58.89	Moose	2			2				09 of 56	C and SE Lab	Moose
III	01-SEP-11 1:48:03PM	52.04	-57.07	Moose	1			1				16 of 56	C and SE Lab	Moose
III	01-SEP-11 2:33:23PM	52.28	-58.25	Moose	1	1						12 of 56	C and SE Lab	Moose
III	01-SEP-11 2:33:31PM	52.28	-58.25	Moose	1	1						12 of 56	C and SE Lab	Moose
III	30-AUG-11 3:09:07PM	52.97	-60.31	Osprey	1	1						03 of 56	C and SE Lab	Raptor
III	30-AUG-11 4:02:42PM	52.26	-58.24	Osprey	1	1					in flight	12 of 56	C and SE Lab	Raptor
III	30-AUG-11 4:16:44PM	52.12	-57.67	Osprey	1	1					osprey on nest, did not confirm young	14 of 56	C and SE Lab	Raptor
III	01-SEP-11 1:24:53PM	51.63	-56.92	Osprey	1	1						19 of 56	C and SE Lab	Raptor
III	01-SEP-11 1:41:12PM	51.93	-56.97	Osprey	2	1			1			17 of 56	C and SE Lab	Raptor
III	01-SEP-11 1:42:34PM	51.94	-56.97	Osprey	3	2			1			17 of 56	C and SE Lab	Raptor
III	01-SEP-11 1:43:25PM	51.95	-56.99	Osprey	1	1						17 of 56	C and SE Lab	Raptor
III	01-SEP-11 2:01:53PM	52.07	-57.33	Osprey	1	1						15 of 56	C and SE Lab	Raptor
III	01-SEP-11 2:29:54PM	52.25	-58.13	Osprey	1	1					in flight	12 of 56	C and SE Lab	Raptor
III	01-SEP-11 2:45:21PM	52.27	-58.54	Osprey	2	1			1		Sean: nest w/1 chick; Bruce: nest w/ ad+yng	11 of 56	C and SE Lab	Raptor
III	01-SEP-11 2:50:49PM	52.31	-58.66	Osprey	2	1			1		adult with chick on nest	10 of 56	C and SE Lab	Raptor
III	01-SEP-11 2:52:44PM	52.33	-58.71	Osprey	2	1			1		adult with chick on nest	10 of 56	C and SE Lab	Raptor
III	01-SEP-11 5:15:35PM	52.92	-60.22	Osprey	3	2			1			03 of 56	C and SE Lab	Raptor
III	30-AUG-11 4:39:09PM	51.88	-56.93	Porcupine	1	1						18 of 56	C and SE Lab	Other Mammal
III	30-AUG-11 3:20:39PM	52.77	-59.92	Porcupine/Activity	1	1					Sean: associated with a porcupine observation; Bruce: porcupine activity	05 of 56	C and SE Lab	Other Mammal
III	30-AUG-11 4:35:41PM	51.93	-56.98	Ptarmigan	1	1						17 of 56	C and SE Lab	Other Avifauna
III	01-SEP-11 2:03:08PM	52.06	-57.37	Ptarmigan	1	1						15 of 56	C and SE Lab	Other Avifauna
III	30-AUG-11 3:08:36PM	52.98	-60.33	Raptor, buteos	1	1						03 of 56	C and SE Lab	Raptor
III	01-SEP-11 2:46:27PM	52.29	-58.55	Red Tailed Hawk	1	1						11 of 56	C and SE Lab	Raptor
III	01-SEP-11 1:26:28PM	51.66	-56.89	Ring-necked Duck	7	7						19 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 1:30:11PM	51.76	-56.84	Ring-necked Duck	2	2						18 of 56	C and SE Lab	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	01-SEP-11 2:29:02PM	52.25	-58.11	Ring-necked Duck	1	1						12 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 3:25:44PM	52.57	-59.43	Ring-necked Duck	1	1						07 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 4:50:26PM	52.59	-59.56	Ring-necked Duck	6	6						06 of 56	C and SE Lab	Waterfowl
III	01-SEP-11 1:45:17PM	51.99	-57.00	Rough Legged Hawk	1	1						17 of 56	C and SE Lab	Raptor
III	30-AUG-11 4:09:19PM	52.24	-57.94	Sandpiper	4	4						13 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	01-SEP-11 12:41:28PM	51.44	-56.95	Shorebird, whimbrel?	12	12						20 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 3:32:02PM	52.57	-59.51	Waterfowl, unidentified	1	1						07 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:48:37PM	52.34	-58.83	Waterfowl, unidentified	3	3						09 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:53:31PM	52.30	-58.60	Waterfowl, unidentified	2	2					Bruce: 2 waterfowl: Sean: waterfowl	10 of 56	C and SE Lab	Waterfowl
III	30-AUG-11 3:47:08PM	52.35	-58.91	Yellowlegs	3	3						09 of 56	C and SE Lab	Other Avifauna - Waterbodies
III	30-AUG-11 6:22:03PM	50.44	-57.21	Bald Eagle	1	1						27 of 56	N Pen	Raptor
III	01-SEP-11 9:48:20AM	50.27	-57.36	Bald Eagle	1	1						28 of 56	N Pen	Raptor
III	01-SEP-11 10:11:54AM	50.43	-57.20	Bald Eagle	1	1						27 of 56	N Pen	Raptor
III	01-SEP-11 10:09:52AM	50.43	-57.26	Beaver	1	1						27 of 56	N Pen	Other Mammal
III	01-SEP-11 12:30:09PM	51.34	-56.68	Black Back Gull	2	2						21 of 56	N Pen	Other Avifauna - Waterbodies
III	30-AUG-11 5:54:11PM	51.02	-56.64	Black Bear	1	1						23 of 56	N Pen	Other Mammal
III	30-AUG-11 6:40:19PM	50.13	-57.48	Black Bear	1	1						29 of 56	N Pen	Other Mammal
III	01-SEP-11 9:23:54AM	49.88	-57.36	Black Bear	1	1						31 of 56	N Pen	Other Mammal
III	30-AUG-11 5:56:07PM	50.98	-56.67	Black Duck	4	4						23 of 56	N Pen	Waterfowl
III	30-AUG-11 5:59:33PM	50.91	-56.76	Black Duck	1	1						23 of 56	N Pen	Waterfowl
III	30-AUG-11 6:00:15PM	50.89	-56.77	Black Duck	1	1						24 of 56	N Pen	Waterfowl
III	30-AUG-11 7:02:57PM	49.64	-57.07	Black Duck	5				5		Class IIIc	32 of 56	N Pen	Waterfowl
III	01-SEP-11 9:31:13AM	50.04	-57.38	Black Duck	5	5						29 of 56	N Pen	Waterfowl
III	01-SEP-11 10:08:39AM	50.44	-57.25	Black Duck	3	3						27 of 56	N Pen	Waterfowl
III	01-SEP-11 10:15:07AM	50.48	-57.12	Black Duck	1	1						26 of 56	N Pen	Waterfowl
III	01-SEP-11 12:02:35PM	50.86	-56.75	Black Duck	5	5					5 BLDU (Sean) vs 4 BLDU (Bruce)	24 of 56	N Pen	Waterfowl
III	30-AUG-11 6:04:58PM	50.80	-56.85	Canada Goose	4	4						24 of 56	N Pen	Waterfowl
III	30-AUG-11 6:27:28PM	50.34	-57.34	Canada Goose	3	3						28 of 56	N Pen	Waterfowl
III	01-SEP-11 9:17:36AM	49.78	-57.21	Canada Goose	5	5						31 of 56	N Pen	Waterfowl
III	01-SEP-11 12:01:21PM	50.84	-56.75	Canada Goose	3	3						24 of 56	N Pen	Waterfowl
III	30-AUG-11 5:43:45PM	51.24	-56.65	Caribou	1	1						21 of 56	N Pen	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	30-AUG-11 5:58:18PM	50.94	-56.73	Caribou	1			1				23 of 56	N Pen	Caribou
III	30-AUG-11 6:05:56PM	50.78	-56.88	Caribou	1	1						24 of 56	N Pen	Caribou
III	30-AUG-11 6:07:35PM	50.75	-56.92	Caribou	4	2			2			25 of 56	N Pen	Caribou
III	30-AUG-11 6:49:31PM	49.93	-57.41	Caribou	1			1				30 of 56	N Pen	Caribou
III	01-SEP-11 9:14:44AM	49.75	-57.12	Caribou	1			1				32 of 56	N Pen	Caribou
III	01-SEP-11 9:46:55AM	50.26	-57.40	Caribou	2	2						28 of 56	N Pen	Caribou
III	01-SEP-11 9:48:09AM	50.27	-57.36	Caribou	1			1				28 of 56	N Pen	Caribou
III	30-AUG-11 6:17:30PM	50.52	-57.07	Common Loon	2	2						26 of 56	N Pen	Waterfowl
III	30-AUG-11 6:19:25PM	50.48	-57.13	Common Loon	2	2						26 of 56	N Pen	Waterfowl
III	30-AUG-11 6:31:39PM	50.26	-57.44	Common Loon	1	1						28 of 56	N Pen	Waterfowl
III	30-AUG-11 7:04:12PM	49.60	-57.06	Common Loon	1	1						32 of 56	N Pen	Waterfowl
III	01-SEP-11 10:10:08AM	50.43	-57.25	Common Loon	1	1						27 of 56	N Pen	Waterfowl
III	01-SEP-11 10:15:07AM	50.48	-57.12	Common Loon	1	1						26 of 56	N Pen	Waterfowl
III	01-SEP-11 10:40:46AM	50.80	-56.83	Common Loon	1	1						24 of 56	N Pen	Waterfowl
III	01-SEP-11 12:01:57PM	50.85	-56.75	Common Loon	1	1						24 of 56	N Pen	Waterfowl
III	01-SEP-11 12:04:01PM	50.86	-56.76	Common Loon	1	1						24 of 56	N Pen	Waterfowl
III	01-SEP-11 9:44:50AM	50.22	-57.44	Common Merganser	5				5		Brood, Class III	28 of 56	N Pen	Waterfowl
III	01-SEP-11 9:48:00AM	50.27	-57.36	Common Merganser	4				4			28 of 56	N Pen	Waterfowl
III	01-SEP-11 9:51:18AM	50.28	-57.33	Common Merganser	3				3			28 of 56	N Pen	Waterfowl
III	01-SEP-11 9:57:33AM	50.27	-57.41	Common Merganser	7				7			28 of 56	N Pen	Waterfowl
III	01-SEP-11 10:35:45AM	50.74	-56.90	Common Merganser	6				6		Class III	25 of 56	N Pen	Waterfowl
III	01-SEP-11 10:36:09AM	50.75	-56.89	Common Merganser	5				5		Brood, class IIA	25 of 56	N Pen	Waterfowl
III	01-SEP-11 9:34:19AM	50.10	-57.42	Common Raven	1	1						29 of 56	N Pen	Other Avifauna
III	30-AUG-11 6:27:28PM	50.34	-57.34	Duck, unidentified	1	1						28 of 56	N Pen	Waterfowl
III	30-AUG-11 6:28:07PM	50.32	-57.35	Duck, unidentified	2	2						28 of 56	N Pen	Waterfowl
III	01-SEP-11 10:09:52AM	50.43	-57.26	Duck, unidentified	1	1						27 of 56	N Pen	Waterfowl
III	01-SEP-11 10:13:15AM	50.45	-57.18	Duck, unidentified diver	1	1					ringneck?	27 of 56	N Pen	Waterfowl
III	01-SEP-11 10:36:56AM	50.75	-56.89	Duck, unidentified diver	2	2						24 of 56	N Pen	Waterfowl
III	30-AUG-11 5:56:31PM	50.97	-56.68	Ducks, unidentified	5	5						23 of 56	N Pen	Waterfowl
III	30-AUG-11 5:39:07PM	51.33	-56.69	Gull	1	1						21 of 56	N Pen	Other Avifauna - Waterbodies
III	30-AUG-11 6:20:17PM	50.47	-57.15	Gull	1	1						27 of 56	N Pen	Other Avifauna - Waterbodies

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	01-SEP-11 10:35:45AM	50.74	-56.90	Gull	1	1						25 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:30:28PM	51.35	-56.67	Gull	1	1						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:30:42PM	51.36	-56.66	Gull	2	2					Sean: 2 gulls; Bruce: 20 gulls	21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:30:54PM	51.36	-56.65	Gull	40	40						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:31:21PM	51.37	-56.63	Gull	2	2						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 10:34:02AM	50.73	-56.93	Harlequin Duck	1				1		Class III	25 of 56	N Pen	Waterfowl
III	30-AUG-11 5:46:10PM	51.21	-56.58	Herring Gull	1	1						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 9:45:47AM	50.24	-57.43	Herring Gull	1	1						28 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 10:41:03AM	50.81	-56.83	Herring Gull	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:29:37PM	51.33	-56.70	Herring Gull	2	2						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 9:51:07AM	50.28	-57.33	Kingfisher	2	2						28 of 56	N Pen	Other Avifauna - Waterbodies
III	30-AUG-11 5:43:12PM	51.26	-56.66	Moose	1	1						21 of 56	N Pen	Moose
III	30-AUG-11 5:44:16PM	51.23	-56.64	Moose	2	2						21 of 56	N Pen	Moose
III	30-AUG-11 5:51:10PM	51.09	-56.60	Moose	1	1						22 of 56	N Pen	Moose
III	30-AUG-11 5:53:28PM	51.04	-56.62	Moose	1		1					22 of 56	N Pen	Moose
III	30-AUG-11 5:54:11PM	51.02	-56.64	Moose	1			1				23 of 56	N Pen	Moose
III	30-AUG-11 5:54:41PM	51.01	-56.65	Moose	1		1					23 of 56	N Pen	Moose
III	30-AUG-11 5:54:57PM	51.00	-56.65	Moose	1		1					23 of 56	N Pen	Moose
III	30-AUG-11 5:59:46PM	50.90	-56.76	Moose	1		1					24 of 56	N Pen	Moose
III	30-AUG-11 6:00:46PM	50.88	-56.78	Moose	1		1					24 of 56	N Pen	Moose
III	30-AUG-11 6:03:15PM	50.83	-56.82	Moose	1		1					24 of 56	N Pen	Moose
III	30-AUG-11 6:06:06PM	50.78	-56.88	Moose	1	1						24 of 56	N Pen	Moose
III	30-AUG-11 6:07:30PM	50.75	-56.92	Moose	1		1					25 of 56	N Pen	Moose
III	30-AUG-11 6:08:45PM	50.73	-56.96	Moose	1		1					25 of 56	N Pen	Moose
III	30-AUG-11 6:08:58PM	50.72	-56.96	Moose	2			1	1			25 of 56	N Pen	Moose
III	30-AUG-11 6:09:54PM	50.70	-56.99	Moose	1	1						25 of 56	N Pen	Moose
III	30-AUG-11 6:13:56PM	50.60	-57.01	Moose	1	1						25 of 56	N Pen	Moose
III	30-AUG-11 6:20:53PM	50.46	-57.17	Moose	1	1						27 of 56	N Pen	Moose
III	30-AUG-11 6:22:56PM	50.43	-57.24	Moose	1	1						27 of 56	N Pen	Moose
III	30-AUG-11 6:23:19PM	50.42	-57.25	Moose	1	1						27 of 56	N Pen	Moose
III	30-AUG-11 6:23:53PM	50.41	-57.27	Moose	3		1	1	1			27 of 56	N Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	30-AUG-11 6:24:25PM	50.41	-57.28	Moose	1			1				27 of 56	N Pen	Moose
III	30-AUG-11 6:28:25PM	50.32	-57.36	Moose	2			1	1			28 of 56	N Pen	Moose
III	30-AUG-11 6:29:39PM	50.29	-57.39	Moose	2	2						28 of 56	N Pen	Moose
III	30-AUG-11 6:33:19PM	50.21	-57.45	Moose	1	1						28 of 56	N Pen	Moose
III	30-AUG-11 6:34:10PM	50.19	-57.45	Moose	1	1						28 of 56	N Pen	Moose
III	30-AUG-11 6:39:19PM	50.14	-57.47	Moose	2			1	1			29 of 56	N Pen	Moose
III	30-AUG-11 6:40:01PM	50.14	-57.48	Moose	1			1				29 of 56	N Pen	Moose
III	30-AUG-11 6:40:50PM	50.12	-57.47	Moose	1		1					29 of 56	N Pen	Moose
III	30-AUG-11 6:42:36PM	50.09	-57.43	Moose	1		1					29 of 56	N Pen	Moose
III	30-AUG-11 6:43:20PM	50.07	-57.41	Moose	2			1	1			29 of 56	N Pen	Moose
III	30-AUG-11 6:46:20PM	50.00	-57.39	Moose	1	1						30 of 56	N Pen	Moose
III	30-AUG-11 6:53:04PM	49.87	-57.32	Moose	1	1						31 of 56	N Pen	Moose
III	30-AUG-11 7:09:20PM	49.47	-56.96	Moose	1			1				33 of 56	N Pen	Moose
III	01-SEP-11 9:31:33AM	50.05	-57.38	Moose	2			1	1			29 of 56	N Pen	Moose
III	01-SEP-11 9:32:38AM	50.07	-57.39	Moose	1		1					29 of 56	N Pen	Moose
III	01-SEP-11 9:35:17AM	50.11	-57.45	Moose	1		1					29 of 56	N Pen	Moose
III	01-SEP-11 9:35:28AM	50.12	-57.45	Moose	3	2	1					29 of 56	N Pen	Moose
III	01-SEP-11 9:35:52AM	50.12	-57.46	Moose	2			2				29 of 56	N Pen	Moose
III	01-SEP-11 9:38:36AM	50.17	-57.46	Moose	1		1					29 of 56	N Pen	Moose
III	01-SEP-11 10:06:49AM	50.42	-57.24	Moose	1	1						27 of 56	N Pen	Moose
III	01-SEP-11 10:09:06AM	50.44	-57.25	Moose	1	1						27 of 56	N Pen	Moose
III	01-SEP-11 10:17:32AM	50.50	-57.11	Moose	1	1						26 of 56	N Pen	Moose
III	01-SEP-11 10:40:23AM	50.80	-56.84	Moose	1	1						24 of 56	N Pen	Moose
III	01-SEP-11 12:16:25PM	51.01	-56.62	Moose	1	1						23 of 56	N Pen	Moose
III	01-SEP-11 12:27:18PM	51.27	-56.67	Moose	1			1				21 of 56	N Pen	Moose
III	01-SEP-11 10:05:13AM	50.40	-57.24	Osprey	1	1						27 of 56	N Pen	Raptor
III	01-SEP-11 10:07:20AM	50.42	-57.24	Osprey	1	1						27 of 56	N Pen	Raptor
III	30-AUG-11 6:12:01PM	50.65	-57.01	Raptor, unidentified	1	1					small, possible harrier	25 of 56	N Pen	Raptor
III	01-SEP-11 10:17:50AM	50.50	-57.10	Red Tailed Hawk	1	1						26 of 56	N Pen	Raptor
III	01-SEP-11 10:38:59AM	50.78	-56.86	Ring-necked Duck	7	1			6			24 of 56	N Pen	Waterfowl
III	01-SEP-11 11:55:07AM	50.79	-56.78	Ring-necked Duck	1		1					24 of 56	N Pen	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
III	30-AUG-11 5:36:52PM	51.36	-56.64	Sandpiper	1	1						21 of 56	N Pen	Other Avifauna - Waterbodies
III	30-AUG-11 5:46:10PM	51.21	-56.58	Sandpiper	4	4						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:30:54PM	51.36	-56.65	Shorebird	50	50						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:31:21PM	51.37	-56.63	Shorebird	20	20						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 10:01:01AM	50.33	-57.33	Tern	4	4						28 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 11:53:48AM	50.78	-56.79	Tern	1	1						24 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:29:37PM	51.33	-56.70	Tern	1	1						21 of 56	N Pen	Other Avifauna - Waterbodies
III	01-SEP-11 12:31:09PM	51.36	-56.64	Tern	1	1						21 of 56	N Pen	Other Avifauna - Waterbodies
III	30-AUG-11 5:55:32PM	50.99	-56.66	Waterfowl, unidentified	15	15						23 of 56	N Pen	Waterfowl
III	30-AUG-11 5:37:53PM	51.34	-56.66	Yellowlegs	4	4						21 of 56	N Pen	Other Avifauna - Waterbodies
IV	24-OCT-11 3:51:04PM	52.61	-59.62	Moose	2		1	1				06 of 56	C and SE Lab	Moose
IV	24-OCT-11 4:00:09PM	52.55	-59.44	Porcupine browse								07 of 56	C and SE Lab	Other Wildlife Activity
IV	40840.00	52.19	-57.82	Beaver	1							13 of 56	C and SE Lab	Other Mammal
IV	24-OCT-11 5:18:42PM	52.07	-57.34	Moose	5		2	3				15 of 56	C and SE Lab	Moose
IV	24-OCT-11 5:27:42PM	52.04	-57.18	Owl?	1							16 of 56	C and SE Lab	Raptor
IV	24-OCT-11 5:38:18PM	51.87	-56.93	Ptarmigan	10							18 of 56	C and SE Lab	Other Avifauna
IV	06-NOV-11 10:04:44AM	48.97	-56.09	Moose	2			1		1		38 of 56	C and E NF	Moose
IV	06-NOV-11 10:05:28AM	48.95	-56.08	Bald Eagle	1							38 of 56	C and E NF	Raptor
IV	06-NOV-11 10:06:29AM	48.94	-56.05	Moose	2			1		1		39 of 56	C and E NF	Moose
IV	06-NOV-11 10:07:39AM	48.93	-56.01	Moose	2			1		1		39 of 56	C and E NF	Moose
IV	06-NOV-11 10:10:47AM	48.91	-55.91	Moose	1			1				39 of 56	C and E NF	Moose
IV	06-NOV-11 10:12:33AM	48.91	-55.85	Passerines								39 of 56	C and E NF	Other Avifauna
IV	06-NOV-11 10:53:06AM	48.77	-55.40	Moose	2			2				41 of 56	C and E NF	Moose
IV	06-NOV-11 11:02:46AM	48.70	-55.11	Moose	1		1					43 of 56	C and E NF	Moose
IV	06-NOV-11 11:13:38AM	48.63	-54.79	Moose	1		1					44 of 56	C and E NF	Moose
IV	06-NOV-11 11:21:50AM	48.54	-54.61	Black Bear	1							45 of 56	C and E NF	Other Mammal
IV	06-NOV-11 11:46:46AM	48.20	-54.06	Moose	1			1				48 of 56	C and E NF	Moose
IV	06-NOV-11 12:09:25PM	47.76	-53.94	Moose	1			1				51 of 56	Avalon Pen	Moose
IV	06-NOV-11 12:21:49PM	47.55	-53.73	Bald Eagle	1							52 of 56	Avalon Pen	Raptor
IV	06-NOV-11 12:31:22PM	47.43	-53.47	Canada Goose	10							53 of 56	Avalon Pen	Waterfowl
IV	06-NOV-11 1:35:42PM	47.36	-53.04	Moose	1			1				56 of 56	Avalon Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
IV	06-NOV-11 1:41:50PM	47.36	-53.20	Moose	2			1	1			55 of 56	Avalon Pen	Moose
IV	06-NOV-11 1:50:51PM	47.44	-53.48									54 of 56	Avalon Pen	
IV	06-NOV-11 2:08:25PM	47.73	-53.92	Beaver	1	1						51 of 56	Avalon Pen	Other Mammal
IV	06-NOV-11 2:13:33PM	47.88	-53.94	Moose	2			1	1			50 of 56	Avalon Pen	Moose
IV	06-NOV-11 2:13:33PM	47.88	-53.94	Gull	3							50 of 56	Avalon Pen	Other Avifauna - Waterbodies
IV	06-NOV-11 2:16:13PM	47.96	-53.94	Moose	1			1				50 of 56	Avalon Pen	Moose
IV	06-NOV-11 2:16:25PM	47.96	-53.94	Moose	2			2				50 of 56	Avalon Pen	Moose
IV	06-NOV-11 2:19:14PM	48.03	-53.98	Black Bear	1							49 of 56	C and E NF	Other Mammal
IV	06-NOV-11 2:19:52PM	48.05	-53.98	Moose	2		1	1				49 of 56	C and E NF	Moose
IV	06-NOV-11 2:20:25PM	48.06	-53.97	Bald Eagle	2							49 of 56	C and E NF	Raptor
IV	06-NOV-11 2:22:42PM	48.12	-53.97	Moose	3			2	1			49 of 56	C and E NF	Moose
IV	06-NOV-11 2:22:49PM	48.12	-53.97	Moose	2		1	1				49 of 56	C and E NF	Moose
IV	06-NOV-11 2:25:14PM	48.17	-54.02	Bald Eagle	1							48 of 56	C and E NF	Raptor
IV	06-NOV-11 2:29:11PM	48.24	-54.11	Moose	1			1				47 of 56	C and E NF	Moose
IV	06-NOV-11 2:30:21PM	48.25	-54.14	Moose	1			1				47 of 56	C and E NF	Moose
IV	06-NOV-11 2:31:09PM	48.26	-54.16	Goshawk	1							47 of 56	C and E NF	Raptor
IV	06-NOV-11 2:31:56PM	48.28	-54.18	Moose	1			1				47 of 56	C and E NF	Moose
IV	06-NOV-11 2:36:56PM	48.38	-54.26	Caribou	3		1	2				47 of 56	C and E NF	Caribou
IV	06-NOV-11 3:21:19PM	48.88	-55.58	Moose	3							40 of 56	C and E NF	Moose
IV	06-NOV-11 3:46:42PM	48.92	-55.87	Moose	2			1	1			39 of 56	C and E NF	Moose
IV	06-NOV-11 4:06:06PM	49.21	-56.29	Bald Eagle	1							37 of 56	C and E NF	Raptor
IV	07-NOV-11 8:27:12AM	49.39	-56.89	Caribou	3							34 of 56	C and E NF	Caribou
IV	07-NOV-11 8:27:52AM	49.40	-56.90	Moose	1			1				34 of 56	C and E NF	Moose
IV	40854.00	49.43	-56.94	Beaver	1							34 of 56	C and E NF	Other Mammal
IV	07-NOV-11 8:45:14AM	49.72	-57.11	Moose	1			1				32 of 56	N Pen	Moose
IV	07-NOV-11 9:03:48AM	49.98	-57.37	Moose	1							30 of 56	N Pen	Moose
IV	07-NOV-11 9:08:08AM	50.07	-57.40	Moose	1		1					29 of 56	N Pen	Moose
IV	07-NOV-11 9:08:23AM	50.08	-57.41	Moose	1			1				29 of 56	N Pen	Moose
IV	07-NOV-11 9:09:32AM	50.10	-57.42	Caribou	3			3				29 of 56	N Pen	Caribou
IV	07-NOV-11 9:11:02AM	50.12	-57.46	Moose	1			1				29 of 56	N Pen	Moose
IV	07-NOV-11 9:13:04AM	50.16	-57.47	Moose	1			1				28 of 56	N Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
IV	07-NOV-11 9:13:45AM	50.17	-57.45	Caribou	4							28 of 56	N Pen	Caribou
IV	07-NOV-11 9:13:53AM	50.17	-57.45	Caribou	1							28 of 56	N Pen	Caribou
IV	07-NOV-11 9:14:27AM	50.18	-57.44	Moose	1							28 of 56	N Pen	Moose
IV	07-NOV-11 9:16:45AM	50.24	-57.45	Moose	1		1					28 of 56	N Pen	Moose
IV	07-NOV-11 9:18:44AM	50.27	-57.42	Common Mergansers	25							28 of 56	N Pen	Waterfowl
IV	07-NOV-11 9:19:31AM	50.28	-57.40	Moose	2			2				28 of 56	N Pen	Moose
IV	07-NOV-11 9:20:11AM	50.29	-57.38	Caribou	3							28 of 56	N Pen	Caribou
IV	07-NOV-11 9:20:52AM	50.30	-57.36	Moose	1							28 of 56	N Pen	Moose
IV	07-NOV-11 9:22:08AM	50.32	-57.33	Moose	1			1				28 of 56	N Pen	Moose
IV	07-NOV-11 9:31:04AM	50.47	-57.14	Caribou	6							27 of 56	N Pen	Caribou
IV	07-NOV-11 9:32:17AM	50.50	-57.10	Caribou	1			1				26 of 56	N Pen	Caribou
IV	07-NOV-11 9:33:44AM	50.52	-57.07	Moose	1							26 of 56	N Pen	Moose
IV	07-NOV-11 9:33:57AM	50.52	-57.06	Caribou	2							26 of 56	N Pen	Caribou
IV	07-NOV-11 9:34:06AM	50.52	-57.06	Caribou	1							26 of 56	N Pen	Caribou
IV	07-NOV-11 9:35:05AM	50.54	-57.03	Bald Eagle	1							26 of 56	N Pen	Raptor
IV	07-NOV-11 9:35:50AM	50.56	-57.02	Caribou	5			5				26 of 56	N Pen	Caribou
IV	07-NOV-11 9:36:31AM	50.57	-57.02	Caribou	11							26 of 56	N Pen	Caribou
IV	07-NOV-11 9:38:08AM	50.60	-56.99	Caribou	10							25 of 56	N Pen	Caribou
IV	07-NOV-11 9:41:49AM	50.68	-56.99	Moose	1			1				25 of 56	N Pen	Moose
IV	07-NOV-11 9:45:47AM	50.74	-56.91	Osprey	1							25 of 56	N Pen	Raptor
IV	07-NOV-11 9:48:11AM	50.78	-56.87	Moose	1			1				24 of 56	N Pen	Moose
IV	07-NOV-11 9:48:53AM	50.79	-56.86	Snowshoe Hare	1							24 of 56	N Pen	Other Mammal
IV	07-NOV-11 9:51:36AM	50.84	-56.81	Moose	2		1	1				24 of 56	N Pen	Moose
IV	07-NOV-11 9:52:00AM	50.84	-56.80	Moose	1			1				24 of 56	N Pen	Moose
IV	07-NOV-11 9:52:15AM	50.85	-56.80	Moose	1			1				24 of 56	N Pen	Moose
IV	07-NOV-11 9:53:14AM	50.87	-56.78	Moose	2							24 of 56	N Pen	Moose
IV	07-NOV-11 9:53:40AM	50.89	-56.77	Bald Eagle	1							24 of 56	N Pen	Raptor
IV	07-NOV-11 9:54:20AM	50.90	-56.76	Moose	1			1				23 of 56	N Pen	Moose
IV	07-NOV-11 9:54:53AM	50.91	-56.75	Moose	1			1				23 of 56	N Pen	Moose
IV	07-NOV-11 9:56:31AM	50.94	-56.72	Caribou	1			1				23 of 56	N Pen	Caribou
IV	07-NOV-11 10:02:08AM	51.05	-56.62	Bald Eagle	2							23 of 56	N Pen	Raptor

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
IV	07-NOV-11 10:04:18AM	51.09	-56.59	Caribou	3							22 of 56	N Pen	Caribou
IV	07-NOV-11 10:05:58AM	51.13	-56.57	Caribou	2							22 of 56	N Pen	Caribou
IV	07-NOV-11 10:06:23AM	51.14	-56.57	Caribou	1		1					22 of 56	N Pen	Caribou
IV	07-NOV-11 10:07:15AM	51.16	-56.56	Caribou	3							22 of 56	N Pen	Caribou
IV	07-NOV-11 10:07:34AM	51.16	-56.55	Caribou	1							21 of 56	N Pen	Caribou
IV	07-NOV-11 10:08:29AM	51.18	-56.55	Caribou	22							21 of 56	N Pen	Caribou
IV	07-NOV-11 10:08:51AM	51.19	-56.56	Moose	1		1					21 of 56	N Pen	Moose
IV	07-NOV-11 10:08:57AM	51.19	-56.56	Caribou	1		1					21 of 56	N Pen	Caribou
IV	07-NOV-11 10:09:49AM	51.21	-56.57	Caribou	4							21 of 56	N Pen	Caribou
IV	07-NOV-11 10:11:49AM	51.22	-56.63	Caribou	5							21 of 56	N Pen	Caribou
IV	07-NOV-11 10:12:10AM	51.23	-56.64	American Crow	1							21 of 56	N Pen	Other Avifauna
IV	07-NOV-11 10:12:51AM	51.24	-56.65	Common Mergansers	6							21 of 56	N Pen	Waterfowl
IV	07-NOV-11 10:15:39AM	51.29	-56.69	Gray Jay	2							21 of 56	N Pen	Other Avifauna
IV	07-NOV-11 10:16:29AM	51.31	-56.70	Common Mergansers	3							21 of 56	N Pen	Waterfowl
IV	07-NOV-11 10:19:42AM	51.36	-56.65	Shorebird - unidentified	40						recorded as 40+	21 of 56	N Pen	Other Avifauna - Waterbodies
IV	07-NOV-11 11:10:48AM	51.36	-56.65	Gull - unidentified	16							21 of 56	N Pen	Other Avifauna - Waterbodies
IV	07-NOV-11 11:11:10AM	51.35	-56.66	Gull - unidentified	1							21 of 56	N Pen	Other Avifauna - Waterbodies
IV	07-NOV-11 11:11:10AM	51.35	-56.66	Shorebird - unidentified	1							21 of 56	N Pen	Other Avifauna - Waterbodies
IV	07-NOV-11 11:11:38AM	51.34	-56.68	Gull - unidentified								21 of 56	N Pen	Other Avifauna - Waterbodies
IV	07-NOV-11 11:11:38AM	51.34	-56.68	Shorebird - unidentified								21 of 56	N Pen	Other Avifauna - Waterbodies
IV	07-NOV-11 11:12:18AM	51.33	-56.69	Gull - unidentified	10							21 of 56	N Pen	Other Avifauna - Waterbodies
IV	07-NOV-11 11:13:28AM	51.30	-56.70	Common Mergansers	2							21 of 56	N Pen	Waterfowl
IV	07-NOV-11 11:19:13AM	51.20	-56.58	Bald Eagle	1							22 of 56	N Pen	Raptor
IV	07-NOV-11 11:19:36AM	51.19	-56.57	Caribou	2							22 of 56	N Pen	Caribou
IV	07-NOV-11 11:19:57AM	51.18	-56.56	Caribou	10							22 of 56	N Pen	Caribou
IV	07-NOV-11 11:20:09AM	51.18	-56.56	Caribou	7							22 of 56	N Pen	Caribou
IV	07-NOV-11 11:20:09AM	51.18	-56.56	Moose	1							22 of 56	N Pen	Moose
IV	07-NOV-11 11:20:29AM	51.17	-56.55	Caribou	1							22 of 56	N Pen	Caribou
IV	07-NOV-11 11:21:13AM	51.16	-56.56	Caribou	2							22 of 56	N Pen	Caribou
IV	07-NOV-11 11:21:33AM	51.15	-56.57	Caribou	6							22 of 56	N Pen	Caribou
IV	07-NOV-11 11:22:38AM	51.13	-56.58	Caribou	3							22 of 56	N Pen	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
IV	07-NOV-11 11:24:10AM	51.10	-56.60	Caribou	3							22 of 56	N Pen	Caribou
IV	07-NOV-11 11:27:11AM	51.05	-56.63	Bald Eagle	1							22 of 56	N Pen	Raptor
IV	07-NOV-11 11:30:31AM	50.99	-56.67	Common Mergansers	2							23 of 56	N Pen	Waterfowl
IV	07-NOV-11 11:30:47AM	50.98	-56.68	Caribou	2							23 of 56	N Pen	Caribou
IV	07-NOV-11 11:30:56AM	50.98	-56.68	Osprey	1							23 of 56	N Pen	Raptor
IV	07-NOV-11 11:31:02AM	50.98	-56.68	Eagle	1							23 of 56	N Pen	Raptor
IV	07-NOV-11 11:31:21AM	50.98	-56.69	Common Mergansers	2							23 of 56	N Pen	Waterfowl
IV	07-NOV-11 11:46:27AM	50.70	-56.99	Bald Eagle	3		2			1		25 of 56	N Pen	Raptor
IV	07-NOV-11 11:47:33AM	50.69	-57.01	Rough Legged Hawk	1							25 of 56	N Pen	Raptor
IV	07-NOV-11 11:50:42AM	50.62	-57.01	Caribou	4							26 of 56	N Pen	Caribou
IV	07-NOV-11 11:52:45AM	50.58	-57.02	Moose	1			1				26 of 56	N Pen	Moose
IV	07-NOV-11 11:53:15AM	50.57	-57.02	Caribou	11							26 of 56	N Pen	Caribou
IV	07-NOV-11 11:54:59AM	50.56	-57.03	Bald Eagle	1							26 of 56	N Pen	Raptor
IV	07-NOV-11 11:58:00AM	50.51	-57.09	Caribou	5							26 of 56	N Pen	Caribou
IV	07-NOV-11 12:00:00PM	50.48	-57.13	Caribou	6							26 of 56	N Pen	Caribou
IV	07-NOV-11 12:02:51PM	50.45	-57.20	Moose	2			2				27 of 56	N Pen	Moose
IV	07-NOV-11 12:03:22PM	50.44	-57.21	Common Mergansers	3							27 of 56	N Pen	Waterfowl
IV	07-NOV-11 12:05:09PM	50.42	-57.24	Bald Eagle	2							27 of 56	N Pen	Raptor
IV	07-NOV-11 12:11:42PM	50.32	-57.35	Caribou	1							28 of 56	N Pen	Caribou
IV	07-NOV-11 12:11:54PM	50.32	-57.36	Common Raven								28 of 56	N Pen	Other Avifauna
IV	07-NOV-11 12:12:46PM	50.31	-57.37	Caribou	4							28 of 56	N Pen	Caribou
IV	07-NOV-11 12:14:39PM	50.28	-57.42	Ducks, unidentified	3							28 of 56	N Pen	Waterfowl
IV	07-NOV-11 12:19:42PM	50.18	-57.46	Moose	1			1				29 of 56	N Pen	Moose
IV	07-NOV-11 12:19:54PM	50.18	-57.46	Caribou	3							29 of 56	N Pen	Caribou
IV	07-NOV-11 12:22:00PM	50.13	-57.48	Coyote	1							29 of 56	N Pen	Other Mammal
IV	07-NOV-11 12:24:25PM	50.09	-57.43	Moose	3			3				29 of 56	N Pen	Moose
IV	07-NOV-11 12:25:46PM	50.07	-57.41	Moose	1							29 of 56	N Pen	Moose
IV	07-NOV-11 12:55:59PM	49.58	-57.04	Moose	1			1				33 of 65	N Pen	Moose
V	30-MAY-12 15:49:22	53.17	-60.64	Greater Yellowlegs	1							01 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:12:13	53.16	-60.63	Common Goldeneye	1		1					01 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:14:24	53.14	-60.59	Common Merganser	1		1					01 of 56	C and SE Lab	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	30-MAY-12 15:47:18	53.14	-60.58	Herring Gull	1							01 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 15:36:18	53.06	-60.47	Herring Gull	1							02 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:23:37	52.99	-60.36	Gull	1							03 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 15:05:07	52.97	-60.31	Bald Eagle	1	1						03 of 56	C and SE Lab	Raptor
V	30-MAY-12 15:05:07	52.97	-60.31	Osprey	1							03 of 56	C and SE Lab	Raptor
V	30-MAY-12 8:26:26	52.94	-60.29	Gray Jay	1							03 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 8:27:26	52.92	-60.27	Herring Gull	1							03 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:30:26	52.88	-60.24	American Black Duck	1							03 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:34:33	52.82	-60.11	Greater Yellowlegs	1							04 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:39:14	52.77	-59.96	American Black Duck	1							05 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:39:44	52.77	-59.95	Greater Yellowlegs	1							05 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 14:38:14	52.65	-59.71	Bald Eagle	1	1						06 of 56	C and SE Lab	Raptor
V	30-MAY-12 8:52:21	52.65	-59.70	Common Merganser	1		1					06 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:53:18	52.63	-59.69	Greater Yellowlegs	1							06 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:54:52	52.64	-59.67	Unknown Raptor	1						really light colour	06 of 56	C and SE Lab	Raptor
V	30-MAY-12 8:54:52	52.64	-59.67	Herring Gull	1							06 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:59:00	52.58	-59.57	Sandpiper	1							07 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 9:02:28	52.57	-59.54	Herring Gull	1						on rock nest	07 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 9:07:02	52.55	-59.38	Herring Gull	1							07 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 14:27:22	52.56	-59.36	Scaup	1		1					07 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:08:07	52.55	-59.34	Herring Gull	1							07 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 9:08:27	52.55	-59.33	Moose	1							07 of 56	C and SE Lab	Moose
V	30-MAY-12 9:11:41	52.50	-59.26	American Black Duck	1							08 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:13:29	52.49	-59.23	Porcupine	1							08 of 56	C and SE Lab	Other Mammal
V	30-MAY-12 9:19:21	52.43	-59.09	Osprey	1							08 of 56	C and SE Lab	Raptor
V	30-MAY-12 9:25:26	52.35	-58.91	Canada Goose	1							09 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 14:07:26	52.36	-58.86	Ring-necked Duck	1		1					09 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 14:05:31	52.35	-58.82	Sandpiper	1							09 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 9:30:56	52.32	-58.70	Moose	1							10 of 56	C and SE Lab	Moose
V	30-MAY-12 9:35:33	52.27	-58.54	Canada Goose	1							11 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 13:50:22	52.26	-58.53	Sandpiper	1							11 of 56	C and SE Lab	Other Avifauna - Waterbodies

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	30-MAY-12 13:15:55	52.24	-58.38	Red Tailed Hawk	1							11 of 56	C and SE Lab	Raptor
V	30-MAY-12 9:51:16	52.23	-58.09	Green-winged Teal	1						possible sighting	12 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:52:01	52.24	-58.09	Ring-necked Duck	1		1					12 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 13:03:48	52.25	-58.05	Gull	1							13 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 13:00:26	52.25	-57.98	Black Bear	1							13 of 56	C and SE Lab	Other Mammal
V	30-MAY-12 10:00:10	52.18	-57.81	Moose	1							13 of 56	C and SE Lab	Moose
V	30-MAY-12 12:52:24	52.19	-57.81	Moose	1							13 of 56	C and SE Lab	Moose
V	30-MAY-12 10:14:01	52.05	-57.41	Herring Gull	1							15 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 10:56:43	51.77	-56.86	Ptarmigan	1							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:18:50	51.92	-56.96	Owl	1						Possibly Great Horned	17 of 56	C and SE Lab	Raptor
V	30-MAY-12 12:14:34	51.84	-56.90	Ptarmigan	1							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:13:33	51.82	-56.90	Ptarmigan	1							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:12:20	51.80	-56.89	Ptarmigan	1							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:11:57	51.80	-56.89	Ptarmigan	1							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:10:39	51.77	-56.87	Ptarmigan	1							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:00:03	51.59	-56.92	Ptarmigan	1							19 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:03:57	51.66	-56.91	Unknown Duck	1						diving duck	19 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 12:06:21	51.69	-56.89	Ptarmigan	1							19 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:07:06	51.71	-56.88	Ptarmigan	1							19 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 11:16:31	51.42	-56.98	Herring Gull	1							20 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 11:09:52	51.51	-56.98	Canada Goose	1							20 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 11:18:36	51.46	-56.97	Great Black-backed Gull	1							20 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 11:22:11	51.52	-56.94	Rough Legged Hawk	1							20 of 56	C and SE Lab	Raptor
V	30-MAY-12 8:10:46	53.17	-60.68	Common Goldeneye	2		1	1			pair	01 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 15:32:33	53.03	-60.43	Canada Goose	2							02 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:22:27	53.01	-60.40	Herring Gull	2							02 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 15:34:58	53.07	-60.47	Common Merganser	2		1	1			pair	02 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 15:31:13	53.01	-60.38	Herring Gull	2							03 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:24:30	52.98	-60.34	Canada Goose	2							03 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 15:05:07	52.97	-60.31	Canada Goose	2							03 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 15:01:54	52.97	-60.27	Moose	2							03 of 56	C and SE Lab	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	30-MAY-12 15:01:43	52.97	-60.27	Herring Gull	2							03 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 8:27:26	52.92	-60.27	Common Loon	2							03 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:45:54	52.74	-59.82	Common Loon	2							05 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:55:41	52.63	-59.65	American Black Duck	2		1	1		pair		06 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:56:52	52.61	-59.62	Common Loon	2							06 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:59:38	52.57	-59.55	Ring-necked Duck	2		1	1		pair		07 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:59:38	52.57	-59.55	Common Loon	2		1	1		pair		07 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:03:10	52.57	-59.52	Canada Goose	2							07 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:17:46	52.44	-59.13	Caribou	2							08 of 56	C and SE Lab	Caribou
V	30-MAY-12 9:17:46	52.44	-59.13	Sandpiper	2							08 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 9:18:36	52.43	-59.11	Caribou	2							08 of 56	C and SE Lab	Caribou
V	30-MAY-12 14:15:13	52.39	-59.04	Surf Scoter	2		1	1				09 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 14:02:35	52.34	-58.83	Surf Scoter	2		1	1		pair		10 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 13:55:11	52.31	-58.61	Scaup	2		1					10 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:35:33	52.27	-58.54	Sandpiper	2							11 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 13:10:26	52.28	-58.25	Bald Eagle	2						active nest with 2 eggs; 1 on nest; 1 in flight	12 of 56	C and SE Lab	Raptor
V	30-MAY-12 13:10:26	52.28	-58.25	Greater Yellowlegs	2							12 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 9:53:10	52.24	-58.06	Herring Gull	2							12 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 13:02:20	52.26	-58.03	Surf Scoter	2		1	1		pair		13 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 10:00:48	52.17	-57.79	Ring-necked Duck	2		2					14 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 10:53:11	51.84	-56.92	Ptarmigan	2							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 11:03:52	51.62	-56.94	Scaup	2		1	1		pair		19 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 10:59:43	51.71	-56.89	Herring Gull	2							19 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 12:11:24	51.79	-56.88	Ptarmigan	2							18 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 12:02:03	51.64	-56.93	Scaup	2		1	1		pair		19 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 12:05:15	51.68	-56.91	Scaup	2		1	1		pair		19 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 11:19:04	51.47	-56.98	Gull	2							20 of 56	C and SE Lab	Other Avifauna - Waterbodies
V	30-MAY-12 11:22:11	51.52	-56.94	American Black Duck	2		1	1		pair		20 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:00:41	52.57	-59.55	Scaup	3		2	1		pair plus male		07 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 14:28:38	52.56	-59.41	Common Goldeneye	3		2	1		pair plus male		07 of 56	C and SE Lab	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	30-MAY-12 13:03:19	52.25	-58.04	Canada Goose	3							13 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 11:03:26	51.63	-56.95	Canada Goose	3							19 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 11:04:59	51.60	-56.94	Ptarmigan	3							19 of 56	C and SE Lab	Other Avifauna
V	30-MAY-12 11:12:04	51.48	-56.99	Scaup	3		2	1			pair plus male	20 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 14:18:12	52.42	-59.07	Canada Goose	4							08 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 13:55:11	52.31	-58.61	Ring-necked Duck	4		3	1			pair plus 2 males	10 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 13:03:19	52.25	-58.04	Ring-necked Duck	4		2	2			2 pairs	13 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:41:10	52.77	-59.89	Ring-necked Duck	5		4	1				05 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 9:50:13	52.22	-58.10	American Black Duck	5							12 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 11:14:02	51.46	-56.99	Scaup	5		3	2			two pairs plus male	20 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 8:44:31	52.74	-59.82	American Black Duck	7							05 of 56	C and SE Lab	Waterfowl
V	30-MAY-12 15:02:37	52.98	-60.29	Common Merganser	10							03 of 56	C and SE Lab	Waterfowl
V	14-MAY-12 1:24:35PM	51.22	-56.62	Caribou	2							21 of 56	N Pen	Caribou
V	14-MAY-12 1:22:52PM	51.25	-56.65	Common Goldeneye	2		1	1				21 of 56	N Pen	Waterfowl
V	14-MAY-12 1:19:18PM	51.30	-56.69	Moose	1							21 of 56	N Pen	Moose
V	14-MAY-12 12:15:58PM	51.27	-56.69	Ring-necked Duck	8		5	3				21 of 56	N Pen	Waterfowl
V	14-MAY-12 12:17:12PM	51.28	-56.69	Unknown Duck	2							21 of 56	N Pen	Waterfowl
V	14-MAY-12 1:19:47PM	51.29	-56.69	American Black Duck	2							21 of 56	N Pen	Waterfowl
V	14-MAY-12 12:11:04PM	51.19	-56.58	Moose	1							22 of 56	N Pen	Moose
V	14-MAY-12 12:18:25PM	51.31	-56.70	Herring Gull	2							21 of 56	N Pen	Other Avifauna - Waterbodies
V	14-MAY-12 12:19:25PM	51.33	-56.70	Herring Gull	1						many	21 of 56	N Pen	Other Avifauna - Waterbodies
V	14-MAY-12 12:19:25PM	51.33	-56.70	Great Black-backed Gull	1							21 of 56	N Pen	Other Avifauna - Waterbodies
V	14-MAY-12 1:33:09PM	51.06	-56.61	Caribou	2							22 of 56	N Pen	Caribou
V	14-MAY-12 1:32:29PM	51.07	-56.60	Greater Yellowlegs	2							22 of 56	N Pen	Other Avifauna - Waterbodies
V	14-MAY-12 12:06:10PM	51.10	-56.60	Caribou	3							22 of 56	N Pen	Caribou
V	14-MAY-12 12:07:12PM	51.12	-56.58	Canada Goose	1							22 of 56	N Pen	Waterfowl
V	14-MAY-12 1:28:29PM	51.15	-56.56	Common Goldeneye	2		1	1			pair	22 of 56	N Pen	Waterfowl
V	14-MAY-12 12:08:32PM	51.15	-56.57	Unknown Duck	1							22 of 56	N Pen	Waterfowl
V	14-MAY-12 1:27:03PM	51.18	-56.56	Canada Goose	2							22 of 56	N Pen	Waterfowl
V	14-MAY-12 12:10:08PM	51.19	-56.57	Ring-necked Duck	8	6	1	1				22 of 56	N Pen	Waterfowl
V	14-MAY-12 1:34:02PM	51.05	-56.62	Moose	1							23 of 56	N Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	14-MAY-12 1:26:24PM	51.20	-56.56	Caribou	3							22 of 56	N Pen	Caribou
V	14-MAY-12 11:57:10AM	50.92	-56.75	Caribou	1							23 of 56	N Pen	Caribou
V	14-MAY-12 11:58:29AM	50.95	-56.71	Caribou	1							23 of 56	N Pen	Caribou
V	14-MAY-12 11:57:22AM	50.93	-56.74	Caribou	2							23 of 56	N Pen	Caribou
V	14-MAY-12 1:41:17PM	50.94	-56.71	Common Goldeneye	2		1	1			pair	23 of 56	N Pen	Waterfowl
V	14-MAY-12 11:57:35AM	50.93	-56.74	Caribou	2							23 of 56	N Pen	Caribou
V	14-MAY-12 12:00:57PM	51.00	-56.65	Caribou	2							23 of 56	N Pen	Caribou
V	14-MAY-12 1:36:57PM	51.01	-56.64	Common Goldeneye	2		1	1			pair	23 of 56	N Pen	Waterfowl
V	14-MAY-12 12:02:44PM	51.04	-56.63	Common Merganser	2		2					23 of 56	N Pen	Waterfowl
V	14-MAY-12 11:54:03AM	50.86	-56.78	Moose	1							24 of 56	N Pen	Moose
V	14-MAY-12 1:48:51PM	50.82	-56.83	American Crow	1							24 of 56	N Pen	Other Avifauna
V	14-MAY-12 11:24:54AM	50.61	-57.01	Moose	1							25 of 56	N Pen	Moose
V	14-MAY-12 11:33:05AM	50.63	-57.01	Moose	1							25 of 56	N Pen	Moose
V	14-MAY-12 1:45:37PM	50.86	-56.79	Black Bear	1							24 of 56	N Pen	Other Mammal
V	14-MAY-12 11:54:54AM	50.88	-56.77	Caribou	2							24 of 56	N Pen	Caribou
V	14-MAY-12 11:36:06AM	50.67	-57.00	Moose	1							25 of 56	N Pen	Moose
V	14-MAY-12 11:29:30AM	50.62	-57.01	Common Merganser	1		1					25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:30:44AM	50.62	-57.02	Harlequin Duck	2		1	1				25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:31:09AM	50.62	-57.01	Common Merganser	3		1	2			pair plus female	25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:26:58AM	50.63	-56.98	Common Merganser	2		1	1				25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:26:58AM	50.63	-56.98	Canada Goose	2							25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:26:58AM	50.63	-56.98	American Black Duck	1							25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:42:42AM	50.73	-56.93	Moose	1							25 of 56	N Pen	Moose
V	14-MAY-12 11:26:27AM	50.63	-56.98	Common Merganser	1		1					25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:33:47AM	50.63	-57.01	Ring-necked Duck	2		2					25 of 56	N Pen	Waterfowl
V	14-MAY-12 1:59:59PM	50.64	-57.00	Ring-necked Duck	6		5	1			pair plus 4 males	25 of 56	N Pen	Waterfowl
V	14-MAY-12 2:04:26PM	50.58	-57.01	Moose	1							26 of 56	N Pen	Moose
V	14-MAY-12 1:57:18PM	50.70	-56.98	Caribou	1							25 of 56	N Pen	Caribou
V	14-MAY-12 11:38:00AM	50.71	-56.99	Caribou	1							25 of 56	N Pen	Caribou
V	14-MAY-12 11:40:04AM	50.72	-56.97	Caribou	1							25 of 56	N Pen	Caribou
V	14-MAY-12 11:38:24AM	50.71	-56.98	Canada Goose	2		1	1			pair	25 of 56	N Pen	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	14-MAY-12 11:39:05AM	50.72	-56.98	Common Snipe	1							25 of 56	N Pen	
V	14-MAY-12 11:39:45AM	50.72	-56.97	Canada Goose	2							25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:40:50AM	50.73	-56.96	Caribou	1							25 of 56	N Pen	Caribou
V	14-MAY-12 11:40:31AM	50.73	-56.96	Sandpiper	1						species unknown	25 of 56	N Pen	Other Avifauna - Waterbodies
V	14-MAY-12 11:47:27AM	50.76	-56.88	Caribou	1							25 of 56	N Pen	Caribou
V	14-MAY-12 11:43:57AM	50.73	-56.91	American Black Duck	2		1	1			pair	25 of 56	N Pen	Waterfowl
V	14-MAY-12 2:03:06PM	50.60	-57.00	Moose	1							26 of 56	N Pen	Moose
V	14-MAY-12 11:42:56AM	50.73	-56.92	Common Merganser	7							25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:42:56AM	50.73	-56.92	Green-winged Teal	2		1	1			pair	25 of 56	N Pen	Waterfowl
V	14-MAY-12 2:19:21PM	50.37	-57.30	Moose	1							27 of 56	N Pen	Moose
V	14-MAY-12 11:44:38AM	50.74	-56.90	Canada Goose	2		1	1			pair	25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:45:08AM	50.74	-56.90	Common Goldeneye	3		2	1			pair plus male	25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:45:08AM	50.74	-56.90	Common Merganser	3							25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:46:52AM	50.75	-56.89	Green-winged Teal	2		1	1			pair	25 of 56	N Pen	Waterfowl
V	14-MAY-12 11:47:11AM	50.76	-56.88	Caribou	3							25 of 56	N Pen	Caribou
V	14-MAY-12 11:36:51AM	50.69	-57.00	Caribou	4							25 of 56	N Pen	Caribou
V	14-MAY-12 2:17:32PM	50.40	-57.27	Moose	1							27 of 56	N Pen	Moose
V	14-MAY-12 11:18:04AM	50.50	-57.11	Canada Goose	2						nest	26 of 56	N Pen	Waterfowl
V	14-MAY-12 11:18:04AM	50.50	-57.11	Ring-necked Duck	2		1	1			pair	26 of 56	N Pen	Waterfowl
V	14-MAY-12 11:18:04AM	50.50	-57.11	Common Goldeneye	4		2	2				26 of 56	N Pen	Waterfowl
V	14-MAY-12 2:15:44PM	50.42	-57.23	Moose	1							27 of 56	N Pen	Moose
V	14-MAY-12 2:08:26PM	50.51	-57.07	Common Goldeneye	3		2	1			pair plus male	26 of 56	N Pen	Waterfowl
V	14-MAY-12 11:20:58AM	50.52	-57.07	Canada Goose	1						nest	26 of 56	N Pen	Waterfowl
V	14-MAY-12 11:21:18AM	50.52	-57.06	Canada Goose	1							26 of 56	N Pen	Waterfowl
V	14-MAY-12 11:13:09AM	50.44	-57.22	Moose	1							27 of 56	N Pen	Moose
V	14-MAY-12 2:12:21PM	50.46	-57.15	Moose	1							27 of 56	N Pen	Moose
V	14-MAY-12 2:30:02PM	50.20	-57.45	Moose	1							28 of 56	N Pen	Moose
V	14-MAY-12 10:53:54AM	50.25	-57.45	Moose	1							28 of 56	N Pen	Moose
V	14-MAY-12 2:24:43PM	50.29	-57.38	Moose	1							28 of 56	N Pen	Moose
V	14-MAY-12 11:10:28AM	50.40	-57.24	Caribou	2							27 of 56	N Pen	Caribou
V	14-MAY-12 2:16:37PM	50.41	-57.25	Caribou	2						may be duplicate of #43	27 of 56	N Pen	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	14-MAY-12 2:37:42PM	50.07	-57.39	Moose	1							29 of 56	N Pen	Moose
V	14-MAY-12 11:09:04AM	50.42	-57.24	Canada Goose	2							27 of 56	N Pen	Waterfowl
V	14-MAY-12 10:29:57AM	50.07	-57.40	Moose	1							29 of 56	N Pen	Moose
V	14-MAY-12 11:05:44AM	50.42	-57.26	Common Goldeneye	2							27 of 56	N Pen	Waterfowl
V	14-MAY-12 11:07:42AM	50.43	-57.24	Ring-necked Duck	2						pair	27 of 56	N Pen	Waterfowl
V	14-MAY-12 11:06:09AM	50.43	-57.26	Canada Goose	5							27 of 56	N Pen	Waterfowl
V	14-MAY-12 11:06:53AM	50.44	-57.25	Canada Goose	3						nest	27 of 56	N Pen	Waterfowl
V	14-MAY-12 10:32:00AM	50.10	-57.44	Moose	1							29 of 56	N Pen	Moose
V	14-MAY-12 2:31:27PM	50.17	-57.47	Moose	1							29 of 56	N Pen	Moose
V	14-MAY-12 10:19:57AM	49.92	-57.41	Moose	1			1				30 of 56	N Pen	Moose
V	14-MAY-12 10:38:30AM	50.21	-57.44	Common Merganser	2		1	1				28 of 56	N Pen	Waterfowl
V	14-MAY-12 10:22:31AM	49.95	-57.40	Moose	1							30 of 56	N Pen	Moose
V	14-MAY-12 10:39:32AM	50.23	-57.44	Canada Goose	3							28 of 56	N Pen	Waterfowl
V	14-MAY-12 10:39:32AM	50.23	-57.44	Caribou	1							28 of 56	N Pen	Caribou
V	14-MAY-12 2:27:37PM	50.25	-57.44	Caribou	1							28 of 56	N Pen	Caribou
V	14-MAY-12 3:11:05PM	49.52	-56.99	Moose	1							33 of 56	N Pen	Moose
V	14-MAY-12 10:48:36AM	50.27	-57.34	Caribou	1							28 of 56	N Pen	Caribou
V	14-MAY-12 10:54:32AM	50.26	-57.45	Ring-necked Duck	2		1	1			pair	28 of 56	N Pen	Waterfowl
V	14-MAY-12 1:21:53PM	51.27	-56.67	Moose	2							21 of 56	N Pen	Moose
V	14-MAY-12 10:42:38AM	50.27	-57.36	Common Goldeneye	1							28 of 56	N Pen	Waterfowl
V	14-MAY-12 10:47:12AM	50.28	-57.33	Caribou	1							28 of 56	N Pen	Caribou
V	14-MAY-12 1:46:09PM	50.86	-56.80	Moose	2							24 of 56	N Pen	Moose
V	14-MAY-12 10:43:00AM	50.27	-57.36	Common Merganser	7		4	3				28 of 56	N Pen	Waterfowl
V	14-MAY-12 10:48:17AM	50.28	-57.34	Canada Goose	5							28 of 56	N Pen	Waterfowl
V	14-MAY-12 2:24:43PM	50.29	-57.38	Caribou	1							28 of 56	N Pen	Caribou
V	14-MAY-12 10:43:50AM	50.28	-57.36	Ring-necked Duck	1		1					28 of 56	N Pen	Waterfowl
V	14-MAY-12 2:28:21PM	50.23	-57.45	Caribou	2							28 of 56	N Pen	Caribou
V	14-MAY-12 10:44:34AM	50.28	-57.35	Common Merganser	2		1	1				28 of 56	N Pen	Waterfowl
V	14-MAY-12 10:46:47AM	50.29	-57.33	Canada Goose	4							28 of 56	N Pen	Waterfowl
V	14-MAY-12 10:46:47AM	50.29	-57.33	Greater Yellowlegs	2							28 of 56	N Pen	Other Avifauna - Waterbodies
V	14-MAY-12 1:54:00PM	50.73	-56.93	Moose	2							25 of 56	N Pen	Moose

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	14-MAY-12 2:25:34PM	50.28	-57.40	Caribou	2							28 of 56	N Pen	Caribou
V	14-MAY-12 10:58:34AM	50.30	-57.38	Canada Goose	2						nest	28 of 56	N Pen	Waterfowl
V	14-MAY-12 10:58:54AM	50.30	-57.37	Canada Goose	1						nest	28 of 56	N Pen	Waterfowl
V	14-MAY-12 11:16:08AM	50.48	-57.13	Moose	2							26 of 56	N Pen	Moose
V	14-MAY-12 11:20:44AM	50.51	-57.08	Moose	2							26 of 56	N Pen	Moose
V	14-MAY-12 2:21:19PM	50.34	-57.32	Caribou	2							28 of 56	N Pen	Caribou
V	14-MAY-12 11:11:31AM	50.41	-57.25	Moose	2							27 of 56	N Pen	Moose
V	14-MAY-12 10:52:03AM	50.22	-57.44	Moose	2							28 of 56	N Pen	Moose
V	14-MAY-12 10:48:51AM	50.27	-57.35	Moose	2							28 of 56	N Pen	Moose
V	14-MAY-12 10:56:53AM	50.27	-57.42	Moose	2							28 of 56	N Pen	Moose
V	14-MAY-12 10:59:31AM	50.32	-57.36	Moose	2							28 of 56	N Pen	Moose
V	14-MAY-12 10:37:46AM	50.21	-57.45	Common Goldeneye	1			1				29 of 56	N Pen	Waterfowl
V	14-MAY-12 10:15:28AM	49.88	-57.38	Caribou	1							30 of 56	N Pen	Caribou
V	14-MAY-12 10:16:53AM	49.89	-57.40	Common Goldeneye	4		2	2			two pairs	30 of 56	N Pen	Waterfowl
V	14-MAY-12 10:16:53AM	49.89	-57.40	American Black Duck	2		1	1				30 of 56	N Pen	Waterfowl
V	14-MAY-12 10:18:30AM	49.90	-57.41	American Black Duck	2		1	1				30 of 56	N Pen	Waterfowl
V	14-MAY-12 10:33:16AM	50.12	-57.46	Moose	2			1		1	cow and calf	29 of 56	N Pen	Moose
V	14-MAY-12 10:20:33AM	49.93	-57.41	Moose	2							30 of 56	N Pen	Moose
V	14-MAY-12 10:20:52AM	49.93	-57.41	Common Goldeneye	1							30 of 56	N Pen	Waterfowl
V	14-MAY-12 11:24:09AM	50.59	-57.01	Moose	3							26 of 56	N Pen	Moose
V	14-MAY-12 2:41:06PM	50.00	-57.38	American Crow	3							30 of 56	N Pen	Other Avifauna
V	14-MAY-12 2:40:34PM	50.01	-57.38	American Crow	2							30 of 56	N Pen	Other Avifauna
V	14-MAY-12 2:58:38PM	49.76	-57.16	Caribou	3							31 of 56	N Pen	Caribou
V	14-MAY-12 2:56:43PM	49.78	-57.23	Common Merganser	1							31 of 56	N Pen	Waterfowl
V	14-MAY-12 10:10:06AM	49.81	-57.28	Common Merganser	5							31 of 56	N Pen	Waterfowl
V	14-MAY-12 2:53:20PM	49.82	-57.29	American Black Duck	1							31 of 56	N Pen	Waterfowl
V	14-MAY-12 2:51:02PM	49.84	-57.27	Common Merganser	1		1					31 of 56	N Pen	Waterfowl
V	14-MAY-12 3:03:40PM	49.68	-57.08	Caribou	1							32 of 56	N Pen	Caribou
V	14-MAY-12 9:59:25AM	49.70	-57.10	Caribou	1							32 of 56	N Pen	Caribou
V	14-MAY-12 3:01:28PM	49.71	-57.10	Caribou	1							32 of 56	N Pen	Caribou
V	14-MAY-12 10:03:34AM	49.76	-57.16	Caribou	1							32 of 56	N Pen	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	14-MAY-12 10:01:46AM	49.75	-57.14	Canada Goose	1							32 of 56	N Pen	Waterfowl
V	14-MAY-12 10:01:46AM	49.75	-57.14	Common Goldeneye	1							32 of 56	N Pen	Waterfowl
V	14-MAY-12 10:02:46AM	49.75	-57.14	Canada Goose	2							32 of 56	N Pen	Waterfowl
V	14-MAY-12 10:03:13AM	49.75	-57.15	Black Bear	1							32 of 56	N Pen	Other Mammal
V	14-MAY-12 3:12:16PM	49.51	-56.97	Caribou	1							33 of 56	N Pen	Caribou
V	14-MAY-12 3:12:57PM	49.50	-56.97	Common Loon	1							33 of 56	N Pen	Waterfowl
V	14-MAY-12 3:11:48PM	49.51	-56.98	Caribou	1							33 of 56	N Pen	Caribou
V	14-MAY-12 3:12:16PM	49.51	-56.97	Canada Goose	2							33 of 56	N Pen	Waterfowl
V	14-MAY-12 3:22:06PM	49.36	-56.87	Caribou	1							34 of 56	C and E NF	Caribou
V	14-MAY-12 2:22:59PM	50.31	-57.35	Moose	3							28 of 56	N Pen	Moose
V	14-MAY-12 9:54:26AM	49.60	-57.05	Ring-necked Duck	2		1	1			pair	33 of 56	N Pen	Waterfowl
V	15-MAY-12 9:25:59AM	49.29	-56.82	Moose	1							34 of 56	C and E NF	Moose
V	14-MAY-12 3:23:40PM	49.33	-56.84	Canada Goose	2							34 of 56	C and E NF	Waterfowl
V	15-MAY-12 9:21:53AM	49.37	-56.90	Caribou	1							34 of 56	C and E NF	Caribou
V	15-MAY-12 9:22:49AM	49.36	-56.89	Moose	1							34 of 56	C and E NF	Moose
V	15-MAY-12 9:31:56AM	49.26	-56.64	Caribou	1							35 of 56	C and E NF	Caribou
V	14-MAY-12 3:18:13PM	49.42	-56.91	Ring-necked Duck	2		1					34 of 56	C and E NF	Waterfowl
V	15-MAY-12 9:19:32AM	49.42	-56.93	Canada Goose	2		1	1			pair	34 of 56	C and E NF	Waterfowl
V	15-MAY-12 9:18:18AM	49.44	-56.94	Northern Harrier	1							34 of 56	C and E NF	Raptor
V	14-MAY-12 3:16:00PM	49.46	-56.93	Herring Gull	1							34 of 56	C and E NF	Other Avifauna - Waterbodies
V	14-MAY-12 3:14:23PM	49.48	-56.95	Moose	1							34 of 56	C and E NF	Moose
V	15-MAY-12 9:32:40AM	49.26	-56.62	Northern Harrier	1							35 of 56	C and E NF	Raptor
V	15-MAY-12 9:44:59AM	49.23	-56.35	Caribou	1							36 of 56	C and E NF	Caribou
V	15-MAY-12 9:29:12AM	49.27	-56.74	Moose	1							35 of 56	C and E NF	Moose
V	15-MAY-12 9:28:33AM	49.27	-56.76	Black Bear	1							35 of 56	C and E NF	Other Mammal
V	15-MAY-12 5:33:54PM	49.27	-56.65	Moose	1							35 of 56	C and E NF	Moose
V	15-MAY-12 5:34:42PM	49.28	-56.66	Moose	1							35 of 56	C and E NF	Moose
V	15-MAY-12 9:40:51AM	49.27	-56.45	Moose	1							36 of 56	C and E NF	Moose
V	15-MAY-12 9:44:22AM	49.24	-56.37	Caribou	1							36 of 56	C and E NF	Caribou
V	15-MAY-12 5:22:59PM	49.25	-56.36	Caribou	1							36 of 56	C and E NF	Caribou
V	15-MAY-12 9:41:18AM	49.27	-56.44	Caribou	1							36 of 56	C and E NF	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	15-MAY-12 9:38:29AM	49.27	-56.51	Caribou	1							36 of 56	C and E NF	Caribou
V	15-MAY-12 5:25:04PM	49.28	-56.41	Caribou	1							36 of 56	C and E NF	Caribou
V	15-MAY-12 9:34:20AM	49.26	-56.58	Red Fox	1							36 of 56	C and E NF	Other Mammal
V	15-MAY-12 5:25:21PM	49.28	-56.42	Caribou	1							36 of 56	C and E NF	Caribou
V	15-MAY-12 5:14:13PM	49.10	-56.22	Caribou	1							37 of 56	C and E NF	Caribou
V	15-MAY-12 5:16:07PM	49.14	-56.24	Caribou	1							37 of 56	C and E NF	Caribou
V	15-MAY-12 5:30:53PM	49.28	-56.56	Moose	1							36 of 56	C and E NF	Moose
V	15-MAY-12 5:16:41PM	49.15	-56.25	Caribou	1							37 of 56	C and E NF	Caribou
V	15-MAY-12 5:21:28PM	49.23	-56.32	Caribou	1							37 of 56	C and E NF	Caribou
V	15-MAY-12 5:05:41PM	48.95	-56.04	Caribou	1							39 of 56	C and E NF	Caribou
V	15-MAY-12 4:27:14PM	48.84	-55.53	Caribou	1							41 of 56	C and E NF	Caribou
V	15-MAY-12 4:11:53PM	48.72	-55.15	Caribou	1							42 of 56	C and E NF	Caribou
V	15-MAY-12 5:29:28PM	49.29	-56.53	Moose	1							36 of 56	C and E NF	Moose
V	15-MAY-12 4:14:46PM	48.73	-55.22	Caribou	1							42 of 56	C and E NF	Caribou
V	15-MAY-12 5:28:52PM	49.29	-56.51	Moose	1							36 of 56	C and E NF	Moose
V	15-MAY-12 5:26:19PM	49.29	-56.44	Moose	1							36 of 56	C and E NF	Moose
V	15-MAY-12 5:26:50PM	49.29	-56.46	Moose	1							36 of 56	C and E NF	Moose
V	15-MAY-12 9:50:21AM	49.16	-56.27	Moose	1							37 of 56	C and E NF	Moose
V	15-MAY-12 4:15:07PM	48.73	-55.23	Caribou	1							42 of 56	C and E NF	Caribou
V	15-MAY-12 5:20:45PM	49.22	-56.31	Moose	1							37 of 56	C and E NF	Moose
V	15-MAY-12 11:12:06AM	48.67	-54.92	Caribou	1							43 of 56	C and E NF	Caribou
V	15-MAY-12 9:54:29AM	49.10	-56.24	Common Loon	1							37 of 56	C and E NF	Waterfowl
V	15-MAY-12 9:53:22AM	49.11	-56.24	Ring-necked Duck	2		1	1			pair	37 of 56	C and E NF	Waterfowl
V	15-MAY-12 9:53:22AM	49.11	-56.24	Common Merganser	1		1					37 of 56	C and E NF	Waterfowl
V	15-MAY-12 4:06:24PM	48.70	-55.03	Caribou	1							43 of 56	C and E NF	Caribou
V	15-MAY-12 3:57:26PM	48.63	-54.77	Caribou	1							44 of 56	C and E NF	Caribou
V	15-MAY-12 3:47:20PM	48.49	-54.55	Caribou	1							45 of 56	C and E NF	Caribou
V	15-MAY-12 11:26:08AM	48.54	-54.61	Caribou	1							45 of 56	C and E NF	Caribou
V	15-MAY-12 5:06:14PM	48.96	-56.06	Moose	1							38 of 56	C and E NF	Moose
V	15-MAY-12 9:58:18AM	49.04	-56.17	Moose	1							38 of 56	C and E NF	Moose
V	15-MAY-12 3:39:11PM	48.41	-54.34	Caribou	1							46 of 56	C and E NF	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	15-MAY-12 5:11:42PM	49.06	-56.17	Moose	1							38 of 56	C and E NF	Moose
V	15-MAY-12 11:34:53AM	48.41	-54.39	Caribou	1							46 of 56	C and E NF	Caribou
V	15-MAY-12 10:11:58AM	48.91	-55.88	Moose	1							39 of 56	C and E NF	Moose
V	15-MAY-12 5:10:28PM	49.04	-56.14	Canada Goose	3							38 of 56	C and E NF	Waterfowl
V	15-MAY-12 5:01:36PM	48.92	-55.91	Moose	1							39 of 56	C and E NF	Moose
V	15-MAY-12 11:31:04AM	48.45	-54.51	Caribou	1							46 of 56	C and E NF	Caribou
V	15-MAY-12 10:49:10AM	48.88	-55.60	Moose	1							40 of 56	C and E NF	Moose
V	15-MAY-12 4:31:19PM	48.90	-55.62	Moose	1							40 of 56	C and E NF	Moose
V	14-MAY-12 3:00:53PM	49.72	-57.11	Caribou	2							32 of 56	N Pen	Caribou
V	15-MAY-12 10:19:45AM	48.91	-55.67	Moose	1							40 of 56	C and E NF	Moose
V	15-MAY-12 10:19:07AM	48.91	-55.69	Moose	1							40 of 56	C and E NF	Moose
V	15-MAY-12 10:52:46AM	48.83	-55.52	Moose	1							41 of 56	C and E NF	Moose
V	15-MAY-12 10:09:45AM	48.91	-55.95	American Black Duck	1							39 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:00:24AM	48.75	-55.33	Moose	1							42 of 56	C and E NF	Moose
V	15-MAY-12 4:18:21PM	48.76	-55.30	Moose	1							42 of 56	C and E NF	Moose
V	15-MAY-12 5:36:30PM	49.28	-56.72	Caribou	2							35 of 56	C and E NF	Caribou
V	15-MAY-12 10:05:56AM	48.94	-56.04	Ring-necked Duck	6		3	3			3 pairs	39 of 56	C and E NF	Waterfowl
V	15-MAY-12 5:23:20PM	49.25	-56.37	Caribou	2							36 of 56	C and E NF	Caribou
V	15-MAY-12 4:03:22PM	48.68	-54.94	Moose	1							43 of 56	C and E NF	Moose
V	15-MAY-12 10:48:29AM	48.88	-55.61	Ring-necked Duck	2		1	1			pair	40 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:07:29AM	48.69	-55.08	Moose	1							43 of 56	C and E NF	Moose
V	15-MAY-12 10:20:39AM	48.90	-55.64	Green-winged Teal	4		2	2			2 pairs	40 of 56	C and E NF	Waterfowl
V	15-MAY-12 4:32:10PM	48.70	-55.12	Moose	1							43 of 56	C and E NF	Moose
V	15-MAY-12 4:32:10PM	48.91	-55.64	Canada Goose	2		1	1			pair	40 of 56	C and E NF	Waterfowl
V	15-MAY-12 4:32:10PM	48.91	-55.64	Ring-necked Duck	4		2	2			two pairs	40 of 56	C and E NF	Waterfowl
V	15-MAY-12 10:46:22AM	48.91	-55.64	Common Goldeneye	2		1	1			pair	40 of 56	C and E NF	Waterfowl
V	15-MAY-12 10:46:22AM	48.91	-55.64	Ring-necked Duck	2		1	1			pair	40 of 56	C and E NF	Waterfowl
V	15-MAY-12 3:53:34PM	48.59	-54.68	Moose	1							44 of 56	C and E NF	Moose
V	15-MAY-12 10:17:21AM	48.91	-55.73	Common Loon	2		1	1			pair	40 of 56	C and E NF	Waterfowl
V	15-MAY-12 10:57:33AM	48.77	-55.40	Unknown Duck	1						diving ducks	41 of 56	C and E NF	Waterfowl
V	15-MAY-12 4:21:12PM	48.78	-55.38	Canada Goose	2						with nest	41 of 56	C and E NF	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	15-MAY-12 3:55:18PM	48.61	-54.72	Moose	1							44 of 56	C and E NF	Moose
V	15-MAY-12 11:30:31AM	48.46	-54.53	Moose	1							45 of 56	C and E NF	Moose
V	15-MAY-12 10:54:02AM	48.81	-55.49	Canada Goose	1							41 of 56	C and E NF	Waterfowl
V	15-MAY-12 4:24:42PM	48.81	-55.47	Canada Goose	1							41 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:37:20AM	48.39	-54.32	Moose	1							46 of 56	C and E NF	Moose
V	15-MAY-12 9:41:58AM	49.26	-56.42	Caribou	2							36 of 56	C and E NF	Caribou
V	15-MAY-12 4:28:37PM	48.86	-55.56	Unknown Duck	2							41 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:04:08AM	48.72	-55.20	Gull	2						at tailings pond	42 of 56	C and E NF	Other Avifauna - Waterbodies
V	15-MAY-12 9:37:12AM	49.27	-56.55	Caribou	2							36 of 56	C and E NF	Caribou
V	15-MAY-12 9:39:34AM	49.28	-56.48	Caribou	2							36 of 56	C and E NF	Caribou
V	15-MAY-12 9:52:44AM	49.12	-56.25	Caribou	2							37 of 56	C and E NF	Caribou
V	15-MAY-12 9:51:44AM	49.13	-56.25	Caribou	2							37 of 56	C and E NF	Caribou
V	15-MAY-12 4:16:30PM	48.74	-55.27	Common Loon	2							42 of 56	C and E NF	Waterfowl
V	15-MAY-12 3:38:35PM	48.40	-54.32	Moose	1							46 of 56	C and E NF	Moose
V	15-MAY-12 11:33:43AM	48.42	-54.43	Moose	1							46 of 56	C and E NF	Moose
V	15-MAY-12 10:59:45AM	48.76	-55.35	Herring Gull	1						Herring or Glaucous	42 of 56	C and E NF	Other Avifauna - Waterbodies
V	15-MAY-12 3:44:02PM	48.45	-54.46	Moose	1							46 of 56	C and E NF	Moose
V	15-MAY-12 9:58:18AM	49.04	-56.17	Caribou	2							38 of 56	C and E NF	Caribou
V	15-MAY-12 5:13:05PM	49.08	-56.21	Caribou	2							38 of 56	C and E NF	Caribou
V	15-MAY-12 11:48:50AM	48.25	-54.15	Moose	1							47 of 56	C and E NF	Moose
V	15-MAY-12 3:32:49PM	48.34	-54.20	Moose	1							47 of 56	C and E NF	Moose
V	15-MAY-12 10:07:43AM	48.92	-56.01	Caribou	2							39 of 56	C and E NF	Caribou
V	15-MAY-12 4:08:39PM	48.70	-55.08	Ring-necked Duck	10							43 of 56	C and E NF	Waterfowl
V	15-MAY-12 4:08:39PM	48.70	-55.08	American Black Duck	3							43 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:20:24AM	48.61	-54.76	Caribou	2							44 of 56	C and E NF	Caribou
V	15-MAY-12 3:36:04PM	48.38	-54.25	Moose	1							47 of 56	C and E NF	Moose
V	15-MAY-12 9:55:29AM	49.09	-56.23	Moose	2							37 of 56	C and E NF	Moose
V	15-MAY-12 11:29:37AM	48.48	-54.55	Caribou	2							45 of 56	C and E NF	Caribou
V	15-MAY-12 9:47:41AM	49.20	-56.30	Moose	2							37 of 56	C and E NF	Moose
V	15-MAY-12 11:39:06AM	48.37	-54.26	Caribou	2							47 of 56	C and E NF	Caribou
V	15-MAY-12 5:25:53PM	49.29	-56.43	Caribou	3							36 of 56	C and E NF	Caribou

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	15-MAY-12 11:13:23AM	48.66	-54.89	American Black Duck	2		1	1			pair	44 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:15:26AM	48.67	-54.86	American Black Duck	3							44 of 56	C and E NF	Waterfowl
V	15-MAY-12 9:58:00AM	49.05	-56.18	Moose	2							38 of 56	C and E NF	Moose
V	15-MAY-12 5:28:17PM	49.29	-56.50	Caribou	3							36 of 56	C and E NF	Caribou
V	15-MAY-12 11:01:32AM	48.74	-55.30	Caribou	3							42 of 56	C and E NF	Caribou
V	15-MAY-12 10:58:36AM	48.70	-55.14	Caribou	3							43 of 56	C and E NF	Caribou
V	15-MAY-12 3:49:23PM	48.53	-54.58	Northern Harrier	1							45 of 56	C and E NF	Raptor
V	15-MAY-12 10:58:36AM	48.77	-55.39	Caribou	4							42 of 56	C and E NF	Caribou
V	15-MAY-12 3:50:48PM	48.56	-54.61	Canada Goose	6	4	1	1			4 plus pair	45 of 56	C and E NF	Waterfowl
V	15-MAY-12 10:12:32AM	48.91	-55.86	Moose	2							39 of 56	C and E NF	Moose
V	15-MAY-12 10:13:02AM	48.91	-55.84	Moose	2							39 of 56	C and E NF	Moose
V	15-MAY-12 3:54:16PM	48.60	-54.69	Caribou	4							44 of 56	C and E NF	Caribou
V	15-MAY-12 3:49:05PM	48.53	-54.58	Caribou	4							45 of 56	C and E NF	Caribou
V	15-MAY-12 4:19:47PM	48.77	-55.34	Moose	2							42 of 56	C and E NF	Moose
V	15-MAY-12 3:41:00PM	48.43	-54.39	Canada Goose	3							46 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:47:33AM	48.26	-54.18	Moose	2							47 of 56	C and E NF	Moose
V	15-MAY-12 9:46:04AM	49.22	-56.33	Caribou	7							37 of 56	C and E NF	Caribou
V	15-MAY-12 11:52:38AM	48.20	-54.07	Moose	2							48 of 56	C and E NF	Moose
V	15-MAY-12 3:25:55PM	48.21	-54.06	Moose	2							48 of 56	C and E NF	Moose
V	15-MAY-12 11:43:21AM	48.33	-54.21	Canada Goose	1							47 of 56	C and E NF	Waterfowl
V	15-MAY-12 5:32:02PM	49.28	-56.60	Moose	3							35 of 56	C and E NF	Moose
V	15-MAY-12 11:42:27AM	48.34	-54.22	Ring-necked Duck	5		3	2				47 of 56	C and E NF	Waterfowl
V	15-MAY-12 3:34:01PM	48.36	-54.22	Ring-necked Duck	2		1	1			pair	47 of 56	C and E NF	Waterfowl
V	15-MAY-12 9:38:45AM	49.28	-56.50	Caribou	8							36 of 56	C and E NF	Caribou
V	15-MAY-12 5:02:20PM	48.92	-55.93	Moose	3							39 of 56	C and E NF	Moose
V	15-MAY-12 3:37:17PM	48.39	-54.29	Canada Goose	2		1	1				47 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:57:24AM	48.13	-54.00	Canada Goose	1						with nest	48 of 56	C and E NF	Waterfowl
V	15-MAY-12 11:56:34AM	48.14	-54.01	Bald Eagle	1	1						48 of 56	C and E NF	Raptor
V	15-MAY-12 4:23:47PM	48.80	-55.45	Moose	3							41 of 56	C and E NF	Moose
V	15-MAY-12 10:54:50AM	48.80	-55.47	Moose	3							41 of 56	C and E NF	Moose
V	15-MAY-12 3:14:30PM	47.98	-53.94	Canada Goose	4							49 of 56	C and E NF	Waterfowl

Table C-1 Wildlife Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Species/ Observation	Total	Adults - Unknown	Adults - Male	Adults - Female	Immature	Young	Comments	Mapsheet	Region of Prov.	Category
V	15-MAY-12 3:14:30PM	47.98	-53.94	Ring-necked Duck	7		5	2			5 males plus 2 pairs	49 of 56	C and E NF	Waterfowl
V	15-MAY-12 3:20:43PM	48.11	-53.97	Bald Eagle	1	1						49 of 56	C and E NF	Raptor
V	15-MAY-12 3:10:02PM	47.87	-53.95	Moose	1							50 of 56	Avalon Pen	Moose
V	15-MAY-12 3:11:27PM	47.90	-53.94	Bald Eagle	3					3		50 of 56	Avalon Pen	Raptor
V	15-MAY-12 12:10:14PM	47.91	-53.95	Moose	1							50 of 56	Avalon Pen	Moose
V	15-MAY-12 3:00:10PM	47.65	-53.88	Moose	1							51 of 56	Avalon Pen	Moose
V	15-MAY-12 3:06:25PM	47.79	-53.94	Ring-necked Duck	2		1	1			pair	51 of 56	Avalon Pen	Waterfowl
V	15-MAY-12 2:57:29PM	47.61	-53.82	Moose	1							52 of 56	Avalon Pen	Moose
V	15-MAY-12 2:35:35PM	47.38	-53.27	Moose	1							54 of 56	Avalon Pen	Moose
V	15-MAY-12 12:26:21PM	47.62	-53.85	Herring Gull	1							52 of 56	Avalon Pen	Other Avifauna - Waterbodies
V	15-MAY-12 12:36:46PM	47.47	-53.61	Bald Eagle	2	2						53 of 56	Avalon Pen	Raptor
V	15-MAY-12 12:36:12PM	47.48	-53.63	American Crow	1							53 of 56	Avalon Pen	Other Avifauna
V	15-MAY-12 12:53:13PM	47.35	-53.18	Moose	1							55 of 56	Avalon Pen	Moose
V	15-MAY-12 2:42:05PM	47.44	-53.45	Common Loon	1							54 of 56	Avalon Pen	Waterfowl
V	15-MAY-12 12:57:45PM	47.33	-53.08	Common Merganser	1		1					55 of 56	Avalon Pen	Waterfowl
V	15-MAY-12 2:32:52PM	47.37	-53.19	Moose	1							55 of 56	Avalon Pen	Moose
V	15-MAY-12 2:53:09PM	47.55	-53.73	Moose	2							52 of 56	Avalon Pen	Moose
V	15-MAY-12 12:52:04PM	47.37	-53.20	Bald Eagle	1					1		55 of 56	Avalon Pen	Raptor

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
2	21-Jul-11	52.93145198	-60.23816342	Bald Eagle	Active Nest - Confirmation from previous sighting	03 of 56	C and SE Lab	Raptor Activity
3	31-Aug-11	47.72200000	-53.90006333	Beaver Lodge		51 of 56	Avalon Pen	Beaver Activity - Lodge
3	01-SEP-11 1:36:27PM	51.88607879	-56.91355253	Cabin		17 of 56	C and SE Lab	Cabin
3	01-SEP-11 1:39:50PM	51.91876804	-56.95783890	Osprey Nest, empty	use new coordinates indicated	17 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 1:41:12PM	51.92905113	-56.96766836	Osprey nest, active		17 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 1:42:34PM	51.93681319	-56.97250170	Osprey nest, active		17 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 1:43:25PM	51.94598769	-56.99144245	Osprey nest, active		17 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 1:55:32PM	52.06117809	-57.27671960	Osprey Nest, empty		16 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 1:59:22PM	52.05980396	-57.30168846	Osprey Nest, empty		16 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 10:00:52AM	50.32461086	-57.33374823	Beaver Dam and Lodge		28 of 56	N. Pen	Beaver Activity - Dam/Lodge
3	01-SEP-11 10:07:46AM	50.42510703	-57.24037374	Beaver Lodge		27 of 56	N. Pen	Beaver Activity - Lodge
3	01-SEP-11 10:09:52AM	50.42973845	-57.26015403	Beaver Lodge		27 of 56	N. Pen	Beaver Activity - Lodge
3	01-SEP-11 10:12:08AM	50.42817883	-57.19105530	Tent platform/Cabin		27 of 56	N. Pen	Cabin
3	01-SEP-11 12:40:53PM	51.42881714	-56.95582154	Cabin		20 of 56	C and SE Lab	Cabin
3	01-SEP-11 2:02:16PM	52.06672272	-57.34360090	Beaver Dam, old	already marked, old	15 of 56	C and SE Lab	Beaver Activity - Dam
3	01-SEP-11 2:13:47PM	52.11753692	-57.66956826	Osprey Nest, empty	use new coordinates indicated	14 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 2:21:27PM	52.21763000	-57.85576687	Osprey Nest, empty		13 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 2:45:21PM	52.26893052	-58.53779387	Osprey nest, occupied	use new coordinates indicated	11 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 2:50:49PM	52.31415306	-58.65744210	Osprey nest, active	use new coordinates indicated	10 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 2:52:44PM	52.32835997	-58.70818145	Osprey nest, active	use new coordinates indicated	10 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 2:56:49PM	52.34419799	-58.82406503	Osprey Nest, old	settled	10 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 3:05:57PM	52.38146829	-58.98480554	Osprey Nest, old, fallen over	use new coordinates indicated	09 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 3:06:34PM	52.37704642	-58.98086194	Osprey Nest, empty		09 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 3:08:03PM	52.38932641	-59.00532369	Osprey Nest, old, unoccupied		09 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 3:14:12PM	52.47689819	-59.20552712	Beaver Dam		08 of 56	C and SE Lab	Beaver Activity - Dam
3	01-SEP-11 3:19:55PM	52.48598753	-59.25545661	Nest, old and unoccupied		08 of 56	C and SE Lab	Raptor Activity

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
3	01-SEP-11 4:56:02PM	52.67747780	-59.67675637	Quarry		06 of 56	C and SE Lab	Quarry
3	01-SEP-11 5:01:16PM	52.75016483	-59.81713817	Beaver Lodge		05 of 56	C and SE Lab	Beaver Activity - Lodge
3	01-SEP-11 5:15:21PM	52.91594161	-60.22124782	Nest (previously identified) on Bruce's notes, same as 361 on Sean's notes		03 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 5:15:35PM	52.91743317	-60.22397194	Nest	(previously identified)	03 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 5:16:43PM	52.92296028	-60.23879098	Old nest, toppled		03 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 5:17:33PM	52.93406923	-60.23907529	Bald Eagle Nest, active	(previously identified)	03 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 5:21:38PM	52.97295263	-60.31265139	Osprey Nest, empty	(previously identified)	03 of 56	C and SE Lab	Raptor Activity
3	01-SEP-11 9:16:21AM	49.77160013	-57.16794396	Beaver Dam		31 of 56	N. Pen	Beaver Activity - Dam
4	06-NOV-11 1:48:40PM	47.43084043	-53.40074418	Beaver Dam		54 of 56	Avalon Pen.	Beaver Activity - Dam
4	06-NOV-11 1:50:18PM	47.44037577	-53.45665449	Beaver Lodge - Inactive		54 of 56	Avalon Pen.	Beaver Activity - Lodge
4	06-NOV-11 1:50:35PM	47.44178787	-53.46609654	Beaver Lodge - Inactive		54 of 56	Avalon Pen.	Beaver Activity - Lodge
4	06-NOV-11 1:51:11PM	47.44481902	-53.48604840	Beaver Dam/Lodge - Active		53 of 56	Avalon Pen.	Beaver Activity - Dam/Lodge
4	06-NOV-11 1:51:56PM	47.44880721	-53.51241963	Beaver Lodge	Food Cache	53 of 56	Avalon Pen.	Beaver Activity - Lodge
4	06-NOV-11 10:10:25AM	48.90792992	-55.92665685	Beaver Lodge	Food Cache	39 of 56	C and E NF	Beaver Activity - Lodge
4	06-NOV-11 10:11:23AM	48.90805255	-55.89336167	Beaver Dam/Lodge - Active		39 of 56	C and E NF	Beaver Activity - Dam/Lodge
4	06-NOV-11 10:12:36AM	48.91051859	-55.84974795	Beaver Dam		39 of 56	C and E NF	Beaver Activity - Dam
4	06-NOV-11 11:38:09AM	48.33376251	-54.21701171	Beaver Lodge - Active	Food Cache	47 of 56	C and E NF	Beaver Activity - Lodge
4	06-NOV-11 11:39:41AM	48.30536320	-54.20253156	Beaver Lodge	Food Cache	47 of 56	C and E NF	Beaver Activity - Lodge
4	06-NOV-11 11:39:49AM	48.30285399	-54.20097060	Beaver Lodge	Food Cache	47 of 56	C and E NF	Beaver Activity - Lodge
4	06-NOV-11 12:31:51PM	47.43056333	-53.45137188	Beaver Lodge - Active		54 of 56	Avalon Pen.	Beaver Activity - Lodge
4	06-NOV-11 12:33:24PM	47.42458401	-53.40116814	Beaver Lodge - Active		54 of 56	Avalon Pen.	Beaver Activity - Lodge
4	06-NOV-11 12:35:16PM	47.40378784	-53.35324762	Beaver Lodge		54 of 56	Avalon Pen.	Beaver Activity - Lodge
4	06-NOV-11 2:10:56PM	47.80217333	-53.94344266	Cabin		51 of 56	Avalon Pen.	Cabin

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
4	06-NOV-11 3:11:38PM	48.74596314	-55.26419012	Beaver Lodge	Food Cache	42 of 56	C and E NF	Beaver Activity - Lodge
4	06-NOV-11 9:29:20AM	49.39913283	-56.92369522	Beaver Lodge - Active		34 of 56	C and E NF	Beaver Activity - Lodge
4	06-NOV-11 9:30:20AM	49.37958615	-56.90662036	Beaver Dam		34 of 56	C and E NF	Beaver Activity - Dam
4	07-NOV-11 10:06:23AM	51.13949295	-56.56911967	Beaver Lodge	Old	22 of 56	N. Pen.	Beaver Activity - Lodge
4	07-NOV-11 11:36:00AM	50.89080473	-56.77633205	Beaver Dam	Old	24 of 56	N. Pen.	Beaver Activity - Dam
4	07-NOV-11 12:00:25PM	50.47869774	-57.14438545	Beaver Lodge	Old	26 of 56	N. Pen.	Beaver Activity - Lodge
4	07-NOV-11 12:01:00PM	50.47238046	-57.15838599	Beaver Lodge	Old	26 of 56	N. Pen.	Beaver Activity - Lodge
4	07-NOV-11 12:05:50PM	50.40895083	-57.24854970	Beaver Dam		27 of 56	N. Pen.	Beaver Activity - Dam
4	07-NOV-11 12:05:50PM	50.40895083	-57.24854970	Beaver Lodge	Food Cache	27 of 56	N. Pen.	Beaver Activity - Lodge
4	07-NOV-11 12:11:42PM	50.32265528	-57.35140731	Beaver Dam	Old	28 of 56	N. Pen.	Beaver Activity - Dam
4	07-NOV-11 12:49:19PM	49.71631461	-57.10701859	Cabin		32 of 56	N. Pen.	Cabin
4	07-NOV-11 12:58:54PM	49.53285009	-57.00201220	Beaver Lodge	Old	33 of 65	N. Pen.	Beaver Activity - Lodge
4	07-NOV-11 8:22:55AM	49.31520525	-56.82582292	Beaver Dam	Old	34 of 56	C and E NF	Beaver Activity - Dam
4	07-NOV-11 8:31:08AM	49.46221629	-56.94542312	Beaver Lodge	Food Cache	33 of 56	N. Pen.	Beaver Activity - Lodge
4	07-NOV-11 8:34:49AM	49.53045236	-56.99334548	Beaver Dam		33 of 56	N. Pen.	Beaver Activity - Dam
4	07-NOV-11 8:35:04AM	49.53573539	-56.99734692	Beaver Dam		33 of 56	N. Pen.	Beaver Activity - Dam
4	07-NOV-11 8:38:31AM	49.59890569	-57.04688782	Beaver Dam/Lodge - Active		32 of 56	N. Pen.	Beaver Activity - Dam/Lodge
4	07-NOV-11 9:58:54AM	50.98438541	-56.66200449	Beaver Dam	Old	23 of 56	N. Pen.	Beaver Activity - Dam
5	14-MAY-12 11:03:39AM	50.40090923	-57.27851258	Beaver Dam		27 of 56	N Pen	Beaver Activity - Dam
5	14-MAY-12 11:56:14AM	50.90704476	-56.76158183	Caribou Skull		23 of 56	N Pen	Caribou
5	15-MAY-12 11:38:46AM	48.37405005	-54.27069412	Cabin		47 of 56	C and E NF	Cabin

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
5	15-MAY-12 11:40:39AM	48.36414322	-54.24399599	Beaver Lodge		47 of 56	C and E NF	Beaver Activity - Lodge
5	15-MAY-12 11:53:28AM	48.18933176	-54.05871914	Beaver Lodge	old	48 of 56	C and E NF	Beaver Activity - Lodge
5	15-MAY-12 11:57:14AM	48.13006449	-53.99653045	Beaver Lodge	old	48 of 56	C and E NF	Beaver Activity - Lodge
5	15-MAY-12 4:00:56PM	48.66829416	-54.87476329	Cabin		44 of 56	C and E NF	Cabin
1	16-JUN-11 1:39:23PM	52.37047685	-58.97602793	Old camp site		09 of 56	C and SE Labrador	Other Land-use Activity
1	16-JUN-11 1:58:14PM	52.24177684	-58.46693753	Rich marsh?		11 of 56	C and SE Labrador	Fen/Marsh
1	16-JUN-11 12:18:06PM	52.94274526	-60.26883616	Osprey nest	unknown content & activity	03 of 56	C and SE Labrador	Raptor Activity
1	16-JUN-11 12:32:25PM	52.77002005	-59.96952225	Beaver dam		05 of 56	C and SE Labrador	Beaver Activity - Dam
1	16-JUN-11 12:37:50PM	52.74013731	-59.81341308	Beaver dam/house - old	Old	05 of 56	C and SE Labrador	Beaver Activity - Dam/Lodge
1	16-JUN-11 2:01:10PM	52.22662680	-58.38669347	Beaver dam		11 of 56	C and SE Labrador	Beaver Activity - Dam
1	16-JUN-11 2:04:33PM	52.24837985	-58.28584006	Beaver house		12 of 56	C and SE Labrador	Beaver Activity - Lodge
1	16-JUN-11 2:13:47PM	52.23763559	-58.01320215	Beaver lodge		13 of 56	C and SE Labrador	Beaver Activity - Lodge
1	16-JUN-11 2:14:20PM	52.23773726	-57.99699440	Cabin		13 of 56	C and SE Labrador	Cabin
1	16-JUN-11 2:19:39PM	52.21742883	-57.85209660	Porcupine sign	W of Obs #19	13 of 56	C and SE Labrador	Other Wildlife Activity
1	16-JUN-11 2:39:10PM	52.06250134	-57.34384373	Porcupine sign		15 of 56	C and SE Labrador	Other Wildlife Activity
1	16-JUN-11 2:41:30PM	52.06311380	-57.27159541	Canada goose nest, active		16 of 56	C and SE Labrador	Other Wildlife Activity
1	16-JUN-11 2:54:15PM	51.93684060	-56.97733378	Osprey nest, active		17 of 56	C and SE Labrador	Raptor Activity
1	16-JUN-11 3:04:22PM	51.75030177	-56.85522253	Beaver dam		18 of 56	C and SE Labrador	Beaver Activity - Dam
1	16-JUN-11 3:11:08PM	51.61160021	-56.92892904	Cabin		19 of 56	C and SE Labrador	Cabin
1	16-JUN-11 3:16:50PM	51.50256288	-56.97977702	Cabin		20 of 56	C and SE Labrador	Cabin
1	16-JUN-11 4:11:15PM	51.25030515	-56.65785394	Cabin		21 of 56	N Pen	Cabin
1	16-JUN-11 4:11:54PM	51.24107064	-56.64670592	Cabin		21 of 56	N Pen	Cabin
1	16-JUN-11 4:15:14PM	51.20782021	-56.57594346	Sawmill		22 of 56	N Pen	Other Land-use Activity
1	16-JUN-11 4:19:26PM	51.13672173	-56.57493889	Rich wetland		22 of 56	N Pen	Fen/Marsh
1	16-JUN-11 4:26:11PM	50.99791959	-56.64912410	Old cabin		23 of 56	N Pen	Cabin
1	16-JUN-11 4:36:22PM	50.81724415	-56.82387320	Nice meadows		24 of 56	N Pen	Fen/Marsh

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
1	16-JUN-11 4:37:05PM	50.80447172	-56.84033291	Cabin		24 of 56	N Pen	Cabin
1	16-JUN-11 4:41:03PM	50.73517509	-56.91826609	Nice marsh		25 of 56	N Pen	Fen/Marsh
1	16-JUN-11 4:46:33PM	50.65174665	-57.01025236	Cabin		25 of 56	N Pen	Cabin
1	16-JUN-11 4:47:25PM	50.63543119	-57.00730998	Outfitter? On Torrent River		25 of 56	N Pen	Other Land-use Activity
1	16-JUN-11 4:53:54PM	50.52833964	-57.05114054	Nice marsh		26 of 56	N Pen	Fen/Marsh
1	16-JUN-11 4:54:12PM	50.52439897	-57.05841847	Cabins		26 of 56	N Pen	Cabin
1	16-JUN-11 4:54:55PM	50.51481117	-57.07647284	Beaver lodge		26 of 56	N Pen	Beaver Activity - Lodge
1	16-JUN-11 5:00:03PM	50.44396774	-57.20788750	Cabin		27 of 56	N Pen	Cabin
1	16-JUN-11 5:14:12PM	50.21456360	-57.45414044	Cabin		28 of 56	N Pen	Cabin
1	16-JUN-11 5:16:09PM	50.17178345	-57.46389924	Cabin		29 of 56	N Pen	Cabin
1	16-JUN-11 5:33:57PM	49.90491497	-57.39708642	Cabin		30 of 56	N Pen	Cabin
1	17-JUN-11 1:29:00PM	49.26292431	-56.33202656	Pine trees		36 of 56	C and E NF	Flora
1	17-JUN-11 1:57:39PM	48.91216261	-55.87889291	Cabin		39 of 56	C and E NF	Cabin
1	17-JUN-11 11:29:43AM	49.45543399	-56.94469448	Beaver lodge		34 of 56	C and E NF	Beaver Activity - Lodge
1	17-JUN-11 12:34:11PM	49.42693410	-56.93677652	Beaver lodge		34 of 56	C and E NF	Beaver Activity - Lodge
1	17-JUN-11 12:58:45PM	49.28888549	-56.53534681	Beaver activity		36 of 56	C and E NF	Beaver Activity
1	17-JUN-11 2:27:39PM	48.86329947	-55.56812539	Beaver lodge		41 of 56	C and E NF	Beaver Activity - Lodge
1	17-JUN-11 2:33:52PM	48.78731324	-55.41934233	Cabin		41 of 56	C and E NF	Cabin
1	17-JUN-11 2:41:55PM	48.72295171	-55.19267061	Antimony Mine		42 of 56	C and E NF	Quarry
1	17-JUN-11 2:42:52PM	48.71661725	-55.16159470	Cabin		42 of 56	C and E NF	Cabin
1	17-JUN-11 2:43:15PM	48.71382985	-55.15017712	Beaver lodge		42 of 56	C and E NF	Beaver Activity - Lodge
1	17-JUN-11 2:44:56PM	48.70422193	-55.10440707	Cabin		43 of 56	C and E NF	Cabin
1	17-JUN-11 3:15:16PM	48.42859050	-54.42393961	Cabin		46 of 56	C and E NF	Cabin
1	17-JUN-11 3:20:07PM	48.38693990	-54.29297866	Beaver lodge		47 of 56	C and E NF	Beaver Activity - Lodge
1	18-JUN-11 10:12:49AM	48.39854565	-54.30705724	Cabin		46 of 56	C and E NF	Cabin
1	18-JUN-11 10:16:27AM	48.41644739	-54.40973866	Beaver lodge	old	46 of 56	C and E NF	Beaver Activity - Lodge
1	18-JUN-11 10:16:41AM	48.41548456	-54.41698548	Cabin		46 of 56	C and E NF	Cabin
1	18-JUN-11 10:16:41AM	48.41558456	-54.41698548	Cabin		46 of 56	C and E NF	Cabin
1	18-JUN-11 10:31:46AM	48.58865770	-54.69115536	Beaver dam		44 of 56	C and E NF	Beaver Activity - Dam
1	18-JUN-11 10:37:09AM	48.64210943	-54.82935391	Drilling operation		44 of 56	C and E NF	Quarry
1	18-JUN-11 10:46:29AM	48.69415778	-55.08888320	Cabins		43 of 56	C and E NF	Cabin

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
1	18-JUN-11 10:48:55AM	48.70943748	-55.16866392	Beaver lodge	Same as Obs#168?	42 of 56	C and E NF	Beaver Activity - Lodge
1	18-JUN-11 11:01:02AM	48.83014552	-55.52630011	Beaver dam		41 of 56	C and E NF	Beaver Activity - Dam
1	18-JUN-11 11:01:02AM	48.83014552	-55.52630011	Cabin		41 of 56	C and E NF	Cabin
1	18-JUN-11 11:02:46AM	48.85820788	-55.56773663	Cabin		41 of 56	C and E NF	Cabin
1	18-JUN-11 11:02:55AM	48.86004545	-55.57197964	Beaver lodge		41 of 56	C and E NF	Beaver Activity - Lodge
1	18-JUN-11 11:05:00AM	48.89134029	-55.62657634	Cabin		40 of 56	C and E NF	Cabin
1	18-JUN-11 12:04:41PM	49.28329568	-56.44017105	Shack		36 of 56	C and E NF	Cabin
1	18-JUN-11 12:07:20PM	49.27710137	-56.48588561	Crow nest on cliff	Photos 336-338	36 of 56	C and E NF	Other Wildlife Activity
1	18-JUN-11 12:20:19PM	49.30573563	-56.83753411	Beaver lodge		35 of 56	C and E NF	Beaver Activity - Lodge
1	18-JUN-11 12:23:05PM	49.35379243	-56.87903451	Beaver dam		34 of 56	C and E NF	Beaver Activity - Dam
1	18-JUN-11 12:26:38PM	49.42501104	-56.92458068	Cabin		34 of 56	C and E NF	Cabin
1	18-JUN-11 2:48:27PM	50.16588897	-57.47833078	Cabin		29 of 56	N Pen	Cabin
1	18-JUN-11 2:58:38PM	50.26628807	-57.41210142	Beaver dam		28 of 56	N Pen	Beaver Activity - Dam
1	18-JUN-11 3:04:38PM	50.35600453	-57.32392933	Cabin and garden		27 of 56	N Pen	Cabin
1	18-JUN-11 3:08:34PM	50.40952181	-57.25004319	Beaver activity		27 of 56	N Pen	Beaver Activity
1	18-JUN-11 3:09:09PM	50.41649178	-57.23929659	Beaver lodge		27 of 56	N Pen	Beaver Activity - Lodge
1	18-JUN-11 3:10:54PM	50.43231815	-57.24225163	Lodge		27 of 56	N Pen	Beaver Activity
1	18-JUN-11 3:22:54PM	50.53174688	-57.06762222	Beaver dam/house		26 of 56	N Pen	Beaver Activity - Dam/Lodge
1	18-JUN-11 3:33:17PM	50.62567776	-57.02147431	Cabin		25 of 56	N Pen	Cabin
1	18-JUN-11 4:00:04PM	50.78511053	-56.85930812	Trapper cabin		24 of 56	N Pen	Cabin
1	18-JUN-11 4:21:09PM	50.98134957	-56.65970776	Cabin		23 of 56	N Pen	Cabin
1	18-JUN-11 4:24:45PM	51.05340276	-56.61109775	Fen		22 of 56	N Pen	Fen/Marsh
1	18-JUN-11 4:32:34PM	51.21143877	-56.57372402	Cabin		22 of 56	N Pen	Cabin
1	19-JUN-11 1:54:40PM	51.61004210	-56.92053004	Cabin		19 of 56	C and SE Labrador	Cabin
1	19-JUN-11 2:01:27PM	51.73876542	-56.84496693	Beaver dam		18 of 56	C and SE Labrador	Beaver Activity - Dam
1	19-JUN-11 2:01:27PM	51.73876542	-56.84496693	Cabin		18 of 56	C and SE Labrador	Cabin
1	19-JUN-11 2:07:53PM	51.87738047	-56.91945221	Cabin		18 of 56	C and SE Labrador	Cabin
1	19-JUN-11 2:10:24PM	51.91948143	-56.95747973	Osprey nest, active		17 of 56	C and SE Labrador	Raptor Activity
1	19-JUN-11 2:12:39PM	51.94583396	-56.99082403	Osprey nest, empty		17 of 56	C and SE Labrador	Raptor Activity
1	19-JUN-11 2:22:48PM	52.06039631	-57.21086509	Porcupine sign		16 of 56	C and SE Labrador	Other Wildlife Activity

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
1	19-JUN-11 2:28:17PM	52.06717383	-57.34817809	Beaver lodge		15 of 56	C and SE Labrador	Beaver Activity - Lodge
1	19-JUN-11 2:31:47PM	52.04894856	-57.47467459	Porcupine sign		15 of 56	C and SE Labrador	Other Wildlife Activity
1	19-JUN-11 2:35:10PM	52.08103389	-57.58778024	Beaver dam		15 of 56	C and SE Labrador	Beaver Activity - Dam
1	19-JUN-11 2:42:33PM	52.19494815	-57.81627646	Beaver lodge		14 of 56	C and SE Labrador	Beaver Activity - Lodge
1	19-JUN-11 2:42:54PM	52.20002607	-57.82804574	Beaver lodge		13 of 56	C and SE Labrador	Beaver Activity - Lodge
1	19-JUN-11 2:51:28PM	52.24389930	-58.12534019	Porcupine sign		12 of 56	C and SE Labrador	Other Wildlife Activity
1	19-JUN-11 3:03:33PM	52.27046097	-58.53543101	Osprey nest, active		11 of 56	C and SE Labrador	Raptor Activity
1	19-JUN-11 3:12:08PM	52.32830993	-58.70742733	Osprey nest, active	Replaces Obs #10	10 of 56	C and SE Labrador	Raptor Activity
1	19-JUN-11 3:22:35PM	52.37673026	-58.98001654	Osprey nest, active		09 of 56	C and SE Labrador	Raptor Activity
1	19-JUN-11 3:26:38PM	52.43642433	-59.10402303	Beaver lodge		08 of 56	C and SE Labrador	Beaver Activity - Lodge
1	19-JUN-11 3:36:31PM	52.55045291	-59.37858366	Beaver lodge		07 of 56	C and SE Labrador	Beaver Activity - Lodge
1	19-JUN-11 3:37:38PM	52.55775891	-59.40050226	Beaver Lodge		07 of 56	C and SE Labrador	Beaver Activity - Lodge
1	19-JUN-11 3:37:38PM	52.55775891	-59.40050226	Gravel pit		07 of 56	C and SE Labrador	Quarry
1	19-JUN-11 3:38:21PM	52.56392607	-59.41847406	Beaver dam/house		07 of 56	C and SE Labrador	Beaver Activity - Dam/Lodge
1	19-JUN-11 3:38:21PM	52.56392607	-59.41847406	Marten trap box		07 of 56	C and SE Labrador	Other Land-use Activity
1	19-JUN-11 3:42:25PM	52.58811280	-59.56111704	Quarry		06 of 56	C and SE Labrador	Quarry
1	19-JUN-11 3:49:06PM	52.70961586	-59.73470139	Quarry		06 of 56	C and SE Labrador	Quarry
1	19-JUN-11 3:52:30PM	52.75473406	-59.85295295	Quarry		05 of 56	C and SE Labrador	Quarry
1	19-JUN-11 3:57:40PM	52.77781983	-59.98107629	Fen		05 of 56	C and SE Labrador	Fen/Marsh
1	19-JUN-11 3:57:40PM	52.77781983	-59.98107629	Great Canada Goose nesting habitat		05 of 56	C and SE Labrador	Other Wildlife Activity
1	19-JUN-11 3:59:28PM	52.79743549	-60.03175185	Quarry	2 Quarries	04 of 56	C and SE Labrador	Quarry
1	19-JUN-11 3:59:40PM	52.80077660	-60.03935030	Quarry		04 of 56	C and SE Labrador	Quarry
1	19-JUN-11 4:03:35PM	52.83800466	-60.13400218	Quarry		04 of 56	C and SE Labrador	Quarry
1	19-JUN-11 4:03:52PM	52.84333178	-60.14220857	Ribbed fen		04 of 56	C and SE Labrador	Fen/Marsh
1	19-JUN-11 4:04:42PM	52.86129906	-60.16303584	Quarry		04 of 56	C and SE Labrador	Quarry
1	19-JUN-11 4:06:29PM	52.89709188	-60.21121276	Quarry		03 of 56	C and SE Labrador	Quarry
1	19-JUN-11 4:08:34PM	52.93145198	-60.23816342	Bald eagle nest, active		03 of 56	C and SE Labrador	Raptor Activity
1	19-JUN-11 4:10:24PM	52.95381817	-60.27047725	Quarry		03 of 56	C and SE Labrador	Quarry
1	19-JUN-11 4:12:22PM	52.98505769	-60.33405298	Quarry		03 of 56	C and SE Labrador	Quarry

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
1	19-JUN-11 4:13:37PM	53.00357013	-60.37622452	Quarry		02 of 56	C and SE Labrador	Quarry
1	19-JUN-11 4:14:29PM	53.01560478	-60.40587693	Beaver dam		02 of 56	C and SE Labrador	Beaver Activity - Dam
1	19-JUN-11 4:16:32PM	53.04338442	-60.48081961	Quarry		02 of 56	C and SE Labrador	Quarry
1	19-JUN-11 4:17:31PM	53.06205528	-60.50554739	Quarry		02 of 56	C and SE Labrador	Quarry
2	20-JUL-11 1:01:51PM	50.86525460	-56.79620999	Cabin		24 of 56	N Pen	Cabin
2	20-JUL-11 1:13:54PM	50.65569151	-57.02155134	Beaver Dam		25 of 56	N Pen	Beaver Activity - Dam
2	20-JUL-11 1:15:55PM	50.62480663	-57.01756298	Osprey nest		25 of 56	N Pen	Raptor Activity
2	20-JUL-11 1:20:30PM	50.53045280	-57.05630120	Beaver Lodge		26 of 56	N Pen	Beaver Activity - Lodge
2	20-JUL-11 1:20:41PM	50.52869487	-57.06197524	Beaver Lodge		26 of 56	N Pen	Beaver Activity - Lodge
2	20-JUL-11 1:23:55PM	50.47677753	-57.14453741	Cabin		26 of 56	N Pen	Cabin
2	20-JUL-11 1:24:36PM	50.46796437	-57.16376432	Cabin		26 of 56	N Pen	Cabin
2	20-JUL-11 1:27:02PM	50.43598783	-57.23901931	Beaver Lodge, four	Four	27 of 56	N Pen	Beaver Activity - Lodge
2	20-JUL-11 1:28:50PM	50.41050416	-57.28586879	Beaver Dam, old	Old	27 of 56	N Pen	Beaver Activity - Dam
2	20-JUL-11 1:32:22PM	50.33743300	-57.33785955	Cabin		27 of 56	N Pen	Cabin
2	20-JUL-11 1:49:15PM	50.07051355	-57.41839657	Cabin		29 of 56	N Pen	Cabin
2	20-JUL-11 1:57:43PM	49.91170926	-57.41658230	Cabin		30 of 56	N Pen	Cabin
2	20-JUL-11 10:02:57AM	52.61030330	-59.62735855	Beaver Lodge		06 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 10:07:09AM	52.56189681	-59.49500218	Beaver Lodge, active	Active	07 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 10:14:58AM	52.48632649	-59.25556071	Osprey nest, inactive		08 of 56	C and SE Lab	Raptor Activity
2	20-JUL-11 10:25:58AM	52.35022559	-58.93771157	Beaver dam, inactive/old	Inactive/Old	09 of 56	C and SE Lab	Beaver Activity - Dam
2	20-JUL-11 10:27:40AM	52.33265553	-58.87574852	Beaver dam		09 of 56	C and SE Lab	Beaver Activity - Dam
2	20-JUL-11 10:28:03AM	52.33151358	-58.85942962	Beaver dam		09 of 56	C and SE Lab	Beaver Activity - Dam
2	20-JUL-11 10:28:33AM	52.33038487	-58.83896344	Beaver dam		09 of 56	C and SE Lab	Beaver Activity - Dam
2	20-JUL-11 10:29:30AM	52.32853021	-58.79992582	Beaver Lodge		10 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 10:32:51AM	52.31388224	-58.65821952	Osprey nest		10 of 56	C and SE Lab	Raptor Activity
2	20-JUL-11 10:32:58AM	52.31290391	-58.65350378	Beaver dam		10 of 56	C and SE Lab	Beaver Activity - Dam
2	20-JUL-11 10:33:48AM	52.30544703	-58.61847497	Beaver hut		10 of 56	C and SE Lab	Beaver Activity - Lodge

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
2	20-JUL-11 10:48:11AM	52.22916065	-58.09098403	Beaver Dam		12 of 56	C and SE Lab	Beaver Activity - Dam
2	20-JUL-11 10:50:51AM	52.23924416	-57.96815378	Den site, unknown species		13 of 56	C and SE Lab	Other Wildlife Activity
2	20-JUL-11 10:53:49AM	52.21620600	-57.85672836	Osprey nest, active		13 of 56	C and SE Lab	Raptor Activity
2	20-JUL-11 10:59:53AM	52.11801535	-57.67122863	Osprey Nest, active		14 of 56	C and SE Lab	Raptor Activity
2	20-JUL-11 11:10:11AM	52.06274835	-57.33911742	Beaver Lodge		15 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 11:11:43AM	52.06022607	-57.30046486	Osprey nest, inactive		16 of 56	C and SE Lab	Raptor Activity
2	20-JUL-11 11:12:40AM	52.06074106	-57.27624452	Beaver Lodge		16 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 11:12:40AM	52.06074106	-57.27624452	Osprey nest, active		16 of 56	C and SE Lab	Raptor Activity
2	20-JUL-11 11:20:47AM	51.96691378	-57.00821129	Beaver Dam and Lodge		17 of 56	C and SE Lab	Beaver Activity - Dam/Lodge
2	20-JUL-11 11:21:23AM	51.95446397	-57.00076581	Beaver Lodge		17 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 11:35:03AM	51.67854639	-56.91058902	Cabin		19 of 56	C and SE Lab	Cabin
2	20-JUL-11 11:35:58AM	51.65636033	-56.91425166	Cabin		19 of 56	C and SE Lab	Cabin
2	20-JUL-11 11:36:46AM	51.64163567	-56.93184142	Cabin		19 of 56	C and SE Lab	Cabin
2	20-JUL-11 11:40:54AM	51.54779071	-56.94071777	Cabin		20 of 56	C and SE Lab	Cabin
2	20-JUL-11 12:51:52PM	51.06251590	-56.62351755	Beaver Lodge		22 of 56	N. Pen	Beaver Activity - Lodge
2	20-JUL-11 12:52:36PM	51.04732043	-56.63188001	Beaver Lodge		22 of 56	N Pen	Beaver Activity - Lodge
2	20-JUL-11 12:52:56PM	51.04029656	-56.63615537	Beaver Lodge		23 of 56	N Pen	Beaver Activity - Lodge
2	20-JUL-11 12:56:00PM	50.97524897	-56.67972023	Beaver Lodge		23 of 56	N Pen	Beaver Activity - Lodge
2	20-JUL-11 2:03:33PM	49.81109734	-57.28479171	Cabin	Dave Healy	31 of 56	N Pen	Cabin
2	20-JUL-11 2:51:26PM	49.51392015	-56.99719814	Cabin		33 of 56	N Pen	Cabin
2	20-JUL-11 2:51:26PM	49.51392015	-56.99719814	Quarry		33 of 56	N Pen	Quarry
2	20-JUL-11 2:53:19PM	49.47452637	-56.96766995	Beaver Lodge		33 of 56	N Pen	Beaver Activity - Lodge
2	20-JUL-11 2:54:16PM	49.45307432	-56.95187048	Beaver Dam		33 of 56	N Pen	Beaver Activity - Dam
2	20-JUL-11 2:55:50PM	49.42004853	-56.93188685	Beaver Lodge		34 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 2:56:44PM	49.40359795	-56.92283272	Beaver Lodge and Dam		34 of 56	C and E NF	Beaver Activity - Dam/Lodge
2	20-JUL-11 3:01:45PM	49.31584228	-56.84430158	Beaver Lodge and Dam		34 of 56	C and E NF	Beaver Activity - Dam/Lodge
2	20-JUL-11 3:03:13PM	49.28608434	-56.80599771	Cabin		35 of 56	C and E NF	Cabin

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
2	20-JUL-11 3:23:00PM	49.10415036	-56.24072425	Cabin		37 of 56	C and E NF	Cabin
2	20-JUL-11 3:32:16PM	48.93830133	-56.04301795	Beaver Dam, old	Old	39 of 56	C and E NF	Beaver Activity - Dam
2	20-JUL-11 3:40:33PM	48.91490995	-55.72106226	Cabin		40 of 56	C and E NF	Cabin
2	20-JUL-11 3:41:24PM	48.91651961	-55.68557924	Quarry		40 of 56	C and E NF	Quarry
2	20-JUL-11 4:15:33PM	48.76830636	-55.38699439	Beaver Lodge		41 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 4:16:31PM	48.75807507	-55.35242197	Cabin		42 of 56	C and E NF	Cabin
2	20-JUL-11 4:28:59PM	48.66322168	-54.88519407	Beaver Lodge		44 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 4:47:23PM	48.39752449	-54.34659376	Beaver Lodge		46 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 4:49:30PM	48.37085252	-54.26789297	Beaver Lodge		47 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 4:50:16PM	48.36087747	-54.23948904	Cabin		47 of 56	C and E NF	Cabin
2	20-JUL-11 4:51:26PM	48.33731568	-54.21417176	Beaver Lodge		47 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 4:52:21PM	48.31489812	-54.20581114	Beaver Dam		47 of 56	C and E NF	Beaver Activity - Dam
2	20-JUL-11 4:52:38PM	48.30795815	-54.20219754	Beaver Dam		47 of 56	C and E NF	Beaver Activity - Dam
2	20-JUL-11 4:52:51PM	48.30285374	-54.19965791	Cabin		47 of 56	C and E NF	Cabin
2	20-JUL-11 4:56:24PM	48.23662120	-54.11730277	Beaver Lodge		48 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 5:02:47PM	48.10961240	-53.98118301	Beaver Dam		49 of 56	C and E NF	Beaver Activity - Dam
2	20-JUL-11 5:03:49PM	48.08656661	-53.97779589	Cabin		49 of 56	C and E NF	Cabin
2	20-JUL-11 5:04:11PM	48.07924367	-53.97719901	Cabin		49 of 56	C and E NF	Cabin
2	20-JUL-11 5:06:04PM	48.04451988	-53.98511999	Beaver Lodge		49 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 5:06:04PM	48.04451988	-53.98511999	Quarry		49 of 56	C and E NF	Quarry
2	20-JUL-11 5:08:54PM	48.00360530	-53.97720245	Cabin		49 of 56	C and E NF	Cabin
2	20-JUL-11 5:10:26PM	47.97849311	-53.94924260	Beaver Lodge, old	Old	49 of 56	C and E NF	Beaver Activity - Lodge
2	20-JUL-11 5:14:07PM	47.91576480	-53.95011205	House		50 of 56	Avalon Pen	Cabin
2	20-JUL-11 5:45:04PM	47.43736055	-53.48407363	Beaver Lodge		53 of 56	Avalon Pen	Beaver Activity - Lodge
2	20-JUL-11 5:50:13PM	47.38371109	-53.31028190	Beaver Lodge		54 of 56	Avalon Pen	Beaver Activity - Lodge
2	20-JUL-11 9:34:38AM	52.99923065	-60.37539060	Beaver lodge, inactive	Inactive	03 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 9:36:52AM	52.97258098	-60.31329051	Osprey nest		03 of 56	C and SE Lab	Raptor Activity

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
2	20-JUL-11 9:38:58AM	52.93948855	-60.27205070	Beaver lodge		03 of 56	C and SE Lab	Beaver Activity - Lodge
2	20-JUL-11 9:54:37AM	52.73913064	-59.81703557	Beaver Dam		05 of 56	C and SE Lab	Beaver Activity - Dam
2	21-JUL-11 1:09:39PM	50.23366520	-57.43586244	Cabin		28 of 56	N Pen	Cabin
2	21-JUL-11 1:13:03PM	50.26706759	-57.38499686	Cabin		28 of 56	N Pen	Cabin
2	21-JUL-11 1:15:45PM	50.27903209	-57.35315762	Beaver Lodge		28 of 56	N Pen	Beaver Activity - Lodge
2	21-JUL-11 1:19:21PM	50.28008636	-57.33456463	Beaver Dam		28 of 56	N Pen	Beaver Activity - Dam
2	21-JUL-11 1:38:06PM	50.39560382	-57.27921221	Cabin, three		27 of 56	N Pen	Cabin
2	21-JUL-11 1:44:08PM	50.42826517	-57.25766402	Muskrat House		27 of 56	N Pen	Other Wildlife Activity
2	21-JUL-11 1:52:05PM	50.43964829	-57.21533172	Lodge		27 of 56	N Pen	Beaver Activity - Lodge
2	21-JUL-11 1:54:11PM	50.46319390	-57.14840423	Cabin		27 of 56	N Pen	Cabin
2	21-JUL-11 10:02:50AM	48.87862486	-55.57956970	Beaver Dam		40 of 56	C and E NF	Beaver Activity - Dam
2	21-JUL-11 10:03:07AM	48.88343004	-55.58756746	Lodge		40 of 56	C and E NF	Beaver Activity - Lodge
2	21-JUL-11 10:04:52AM	48.91022564	-55.63481634	Lodge		40 of 56	C and E NF	Beaver Activity - Lodge
2	21-JUL-11 10:33:31AM	48.92139134	-55.71788401	Beaver Lodge and Dam		40 of 56	C and E NF	Beaver Activity - Dam/Lodge
2	21-JUL-11 10:38:38AM	48.91662321	-55.88386497	Lodge		39 of 56	C and E NF	Beaver Activity - Lodge
2	21-JUL-11 10:39:04AM	48.91643537	-55.89789662	Cabin		39 of 56	C and E NF	Cabin
2	21-JUL-11 10:41:02AM	48.92239365	-55.95962154	Beaver Dam and Lodge		39 of 56	C and E NF	Beaver Activity - Dam/Lodge
2	21-JUL-11 10:44:36AM	48.95973092	-56.06860246	Cabins		38 of 56	C and E NF	Cabin
2	21-JUL-11 10:52:55AM	49.10014867	-56.22255337	Cabin		37 of 56	C and E NF	Cabin
2	21-JUL-11 11:00:38AM	49.24687807	-56.34834998	Red Pine Stand "Avoid Cutting"		36 of 56	C and E NF	Flora
2	21-JUL-11 11:19:31AM	49.30438145	-56.80997835	Beaver Dam		35 of 56	C and E NF	Beaver Activity - Dam
2	21-JUL-11 12:21:33PM	49.50547270	-56.97130275	Cabin		33 of 56	N Pen	Cabin
2	21-JUL-11 12:23:36PM	49.54905281	-57.00348297	Cabin		33 of 56	N Pen	Cabin
2	21-JUL-11 12:24:11PM	49.56024810	-57.01246804	Cabin		33 of 56	N Pen	Cabin
2	21-JUL-11 12:33:35PM	49.76068405	-57.12875186	Beaver Lodge		32 of 56	N Pen	Beaver Activity - Lodge
2	21-JUL-11 12:34:36PM	49.76566030	-57.16062983	Beaver Dam and House		31 of 56	N Pen	Beaver Activity - Dam/Lodge

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
2	21-JUL-11 12:36:26PM	49.77482582	-57.21595634	Beaver Lodge		31 of 56	N Pen	Beaver Activity - Lodge
2	21-JUL-11 12:39:24PM	49.82003035	-57.27444559	Cabin		31 of 56	N Pen	Cabin
2	21-JUL-11 12:39:57PM	49.83374289	-57.27865993	Cabin		31 of 56	N Pen	Cabin
2	21-JUL-11 12:46:53PM	49.92537210	-57.40404356	Tilt		30 of 56	N Pen	Other Land-use Activity
2	21-JUL-11 3:06:34PM	50.64003982	-56.99884744	Cabin		25 of 56	N Pen	Cabin
2	21-JUL-11 3:31:01PM	50.78027618	-56.79065279	Cabin		24 of 56	N Pen	Cabin
2	21-JUL-11 3:34:54PM	50.81398317	-56.75665109	Cabin		24 of 56	N Pen	Cabin
2	21-JUL-11 3:50:26PM	51.03903668	-56.61320639	Cabin		22 of 56	N Pen	Cabin
2	21-JUL-11 3:55:27PM	51.15085957	-56.55453726	Cabin		22 of 56	N Pen	Cabin
2	21-JUL-11 3:55:58PM	51.16352605	-56.54419038	Cabin		22 of 56	N Pen	Cabin
2	21-JUL-11 3:57:15PM	51.19486934	-56.55188489	Cabin with sawmill		22 of 56	N Pen	Cabin
2	21-JUL-11 4:01:13PM	51.23172968	-56.63521986	Beaver Lodge		21 of 56	N Pen	Beaver Activity - Lodge
2	21-JUL-11 5:10:03PM	51.71248480	-56.85734013	Beaver Dam		19 of 56	C and SE Lab	Beaver Activity - Dam
2	21-JUL-11 5:10:58PM	51.73279314	-56.83742657	Cabin		19 of 56	C and SE Lab	Cabin
2	21-JUL-11 5:23:14PM	51.91874625	-56.95605531	Osprey nest	adult on active nest	17 of 56	C and SE Lab	Raptor Activity
2	21-JUL-11 5:33:03PM	52.01798698	-57.05562168	Beaver Dam		17 of 56	C and SE Lab	Beaver Activity - Dam
2	21-JUL-11 5:33:22PM	52.02089667	-57.05681501	Beaver Lodge		17 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 5:40:11PM	52.05320623	-57.23196980	Beaver Lodge		16 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 5:41:12PM	52.05175557	-57.25596257	Cabin		16 of 56	C and SE Lab	Cabin
2	21-JUL-11 5:41:33PM	52.05439109	-57.25630875	Beaver Lodge		16 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 5:42:26PM	52.06101137	-57.27596951	Osprey nest	possibly same as #47.1	16 of 56	C and SE Lab	Raptor Activity
2	21-JUL-11 6:07:34PM	52.23813213	-57.89511018	Beaver Dam		13 of 56	C and SE Lab	Beaver Activity - Dam
2	21-JUL-11 6:12:41PM	52.24485065	-57.97145264	Old Burn		13 of 56	C and SE Lab	
2	21-JUL-11 6:35:28PM	52.24612864	-58.45535634	Beaver Lodge		11 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 6:43:25PM	52.32381580	-58.63800773	Beaver Lodge		10 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 6:48:44PM	52.34438441	-58.81319177	Beaver Lodge		10 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 6:49:12PM	52.34473687	-58.82840350	Osprey nest		10 of 56	C and SE Lab	Raptor Activity
2	21-JUL-11 6:53:41PM	52.38131457	-58.98503135	Osprey nest, old		09 of 56	C and SE Lab	Raptor Activity
2	21-JUL-11 6:59:19PM	52.45651927	-59.12840581	Beaver Lodge		08 of 56	C and SE Lab	Beaver Activity - Lodge

Table C-2 Static Observations collected during Surveys in 2011-2012

Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
2	21-JUL-11 7:06:43PM	52.55108717	-59.34756710	Beaver Dam		07 of 56	C and SE Lab	Beaver Activity - Dam
2	21-JUL-11 7:14:28PM	52.59220359	-59.56096717	Beaver Lodge		06 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 7:22:51PM	52.73897281	-59.78746128	Aggregate Source		05 of 56	C and SE Lab	Quarry
2	21-JUL-11 7:23:37PM	52.74831704	-59.81408204	Aggregate Source		05 of 56	C and SE Lab	Quarry
2	21-JUL-11 7:25:22PM	52.76272763	-59.86071778	Lodge / Dam		05 of 56	C and SE Lab	Beaver Activity - Dam/Lodge
2	21-JUL-11 7:26:34PM	52.77684066	-59.89497151	Lodge		05 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 7:27:49PM	52.77920544	-59.94392233	Aggregate Source		05 of 56	C and SE Lab	Quarry
2	21-JUL-11 7:28:10PM	52.77911450	-59.95783512	Aggregate		04 of 56	C and SE Lab	Quarry
2	21-JUL-11 7:39:22PM	52.92159386	-60.23742942	Osprey Nest		03 of 56	C and SE Lab	Raptor Activity
2	21-JUL-11 7:46:47PM	53.01334997	-60.37962112	Lodge		02 of 56	C and SE Lab	Beaver Activity - Lodge
2	21-JUL-11 8:10:20AM	47.38884291	-53.01795356	Beaver Lodge		56 of 56	Avalon Pen	Beaver Activity - Lodge
2	21-JUL-11 8:17:05AM	47.34732868	-53.17214688	Beaver Lodge		55 of 56	Avalon Pen	Beaver Activity - Lodge
2	21-JUL-11 8:17:32AM	47.35412892	-53.18426812	Beaver Lodge		55 of 56	Avalon Pen	Beaver Activity - Lodge
2	21-JUL-11 8:20:13AM	47.38326802	-53.25644142	Beaver Dam		54 of 56	Avalon Pen	Beaver Activity - Dam
2	21-JUL-11 8:23:48AM	47.41878105	-53.36753843	Beaver Lodge		54 of 56	Avalon Pen	Beaver Activity - Lodge
2	21-JUL-11 8:24:00AM	47.42153359	-53.37389879	Beaver Lodge		54 of 56	Avalon Pen	Beaver Activity - Lodge
2	21-JUL-11 8:25:50AM	47.43633552	-53.43038796	Lodge		54 of 56	Avalon Pen	Beaver Activity - Lodge
2	21-JUL-11 8:31:05AM	47.45490890	-53.55094244	Lodge		53 of 56	Avalon Pen	Beaver Activity - Lodge
2	21-JUL-11 9:38:53AM	48.65352432	-54.82573352	Lodge		44 of 56	C and E NF	Beaver Activity - Lodge
2	21-JUL-11 9:46:41AM	48.71191853	-55.09965277	Beaver Dam		43 of 56	C and E NF	Beaver Activity - Dam
2	21-JUL-11 9:52:22AM	48.74974757	-55.27892534	Beaver Dam		42 of 56	C and E NF	Beaver Activity - Dam
2	21-JUL-11 9:59:53AM	48.84907094	-55.53111417	Lodge		41 of 56	C and E NF	Beaver Activity - Lodge
4	24-OCT-11 3:38:09PM	52.76425464	-59.93150714	Beaver Lodge - Active	Food Cache	05 of 56	C and SE Labrador	Beaver Activity - Lodge
4	24-OCT-11 3:58:39PM	52.56102031	-59.48714498	Beaver Dam/Lodge - Inactive		07 of 56	C and SE Labrador	Beaver Activity - Dam/Lodge

Table C-2 Static Observations collected during Surveys in 2011-2012

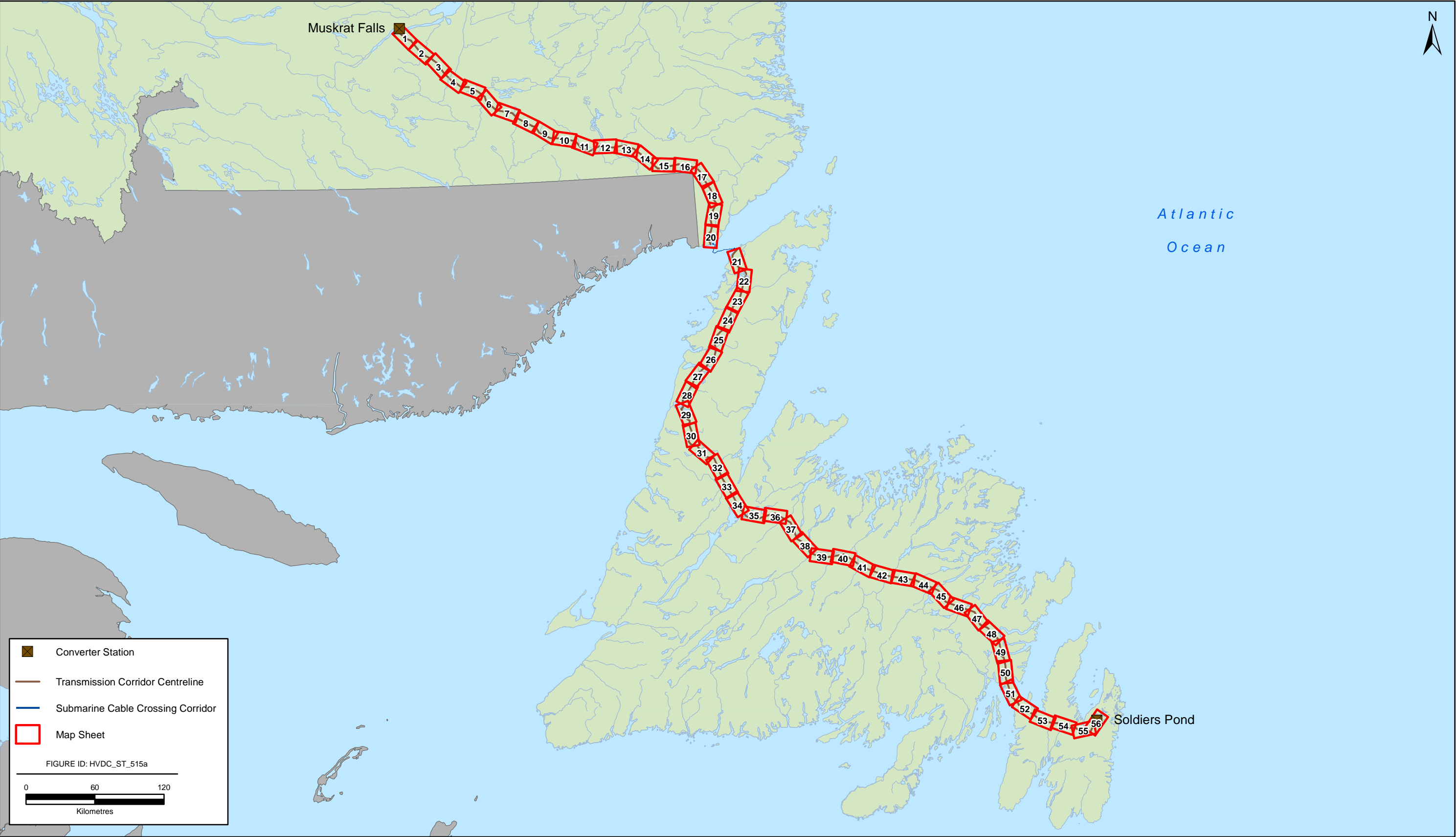
Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
4	24-OCT-11 4:37:09PM	52.29557089	-58.58483688	Beaver Lodge - Active		11 of 56	C and SE Labrador	Beaver Activity - Lodge
4	24-OCT-11 4:37:52PM	52.28369272	-58.56427859	Beaver Lodge - Inactive		11 of 56	C and SE Labrador	Beaver Activity - Lodge
4	24-OCT-11 4:57:59PM	52.23658894	-57.92917424	Beaver Lodge	Old	13 of 56	C and SE Labrador	Beaver Activity - Lodge
4	24-OCT-11 5:04:25PM	52.18311734	-57.78817479	Beaver Lodge - Active	Food Cache	14 of 56	C and SE Labrador	Beaver Activity - Lodge
4	24-OCT-11 5:19:53PM	52.07351348	-57.34412938	Beaver Lodge - Inactive		15 of 56	C and SE Labrador	Beaver Activity - Lodge
4	24-OCT-11 5:45:58PM	51.73973068	-56.84680617	Beaver Lodge - Active	Large lodge	18 of 56	C and SE Labrador	Beaver Activity - Lodge
3	30-AUG-11 3:46:51PM	52.34964740	-58.91745452	Beaver Lodge		09 of 56	C and SE Lab	Beaver Activity - Lodge
3	30-AUG-11 3:54:25PM	52.28830864	-58.55866405	Porcupine sign		11 of 56	C and SE Lab	Other Wildlife Activity
3	30-AUG-11 4:11:08PM	52.22180100	-57.87026639	Osprey nest, unoccupied		13 of 56	C and SE Lab	Raptor Activity
3	30-AUG-11 4:11:34PM	52.21678980	-57.85366972	Osprey nest, active		13 of 56	C and SE Lab	Raptor Activity
3	30-AUG-11 4:16:44PM	52.11758905	-57.66934915	Osprey nest, active	adult on nest	14 of 56	C and SE Lab	Raptor Activity
5	30-MAY-12 10:52:15	51.86259186	-56.92909098	Beaver Lodge		16 of 56	C and SE Labrador	Beaver Activity - Lodge
5	30-MAY-12 11:12:04	51.47673681	-56.99344891	Cabin	several	20 of 56	C and SE Labrador	Cabin
5	30-MAY-12 11:14:02	51.46236663	-56.99117985	Quarry		20 of 56	C and SE Labrador	Quarry
5	30-MAY-12 12:19:29	51.91575668	-56.97792579	Cabin		17 of 56	C and SE Labrador	Cabin
5	30-MAY-12 12:44:08	52.09980860	-57.60051101	Porcupine Browse		14 of 56	C and SE Labrador	Wildlife Activity
5	30-MAY-12 12:57:03	52.22258194	-57.87310333	Porcupine Browse		13 of 56	C and SE Labrador	Wildlife Activity
5	30-MAY-12 13:10:26	52.27979363	-58.25111602	Beaver Lodge		12 of 56	C and SE Labrador	Beaver Activity - Lodge
5	30-MAY-12 13:10:26	52.27979363	-58.25111602	Bald Eagle Nest	active	12 of 56	C and SE Labrador	Raptor
5	30-MAY-12 14:16:20	52.41997140	-59.06048382	Bald Eagle Nest	active	09 of 56	C and SE Labrador	Raptor
5	30-MAY-12 15:48:45	53.16843119	-60.61253945	Beaver Lodge		01 of 56	C and SE Labrador	Beaver Activity - Lodge









































Table C-2 Static Observations collected during Surveys in 2011-2012

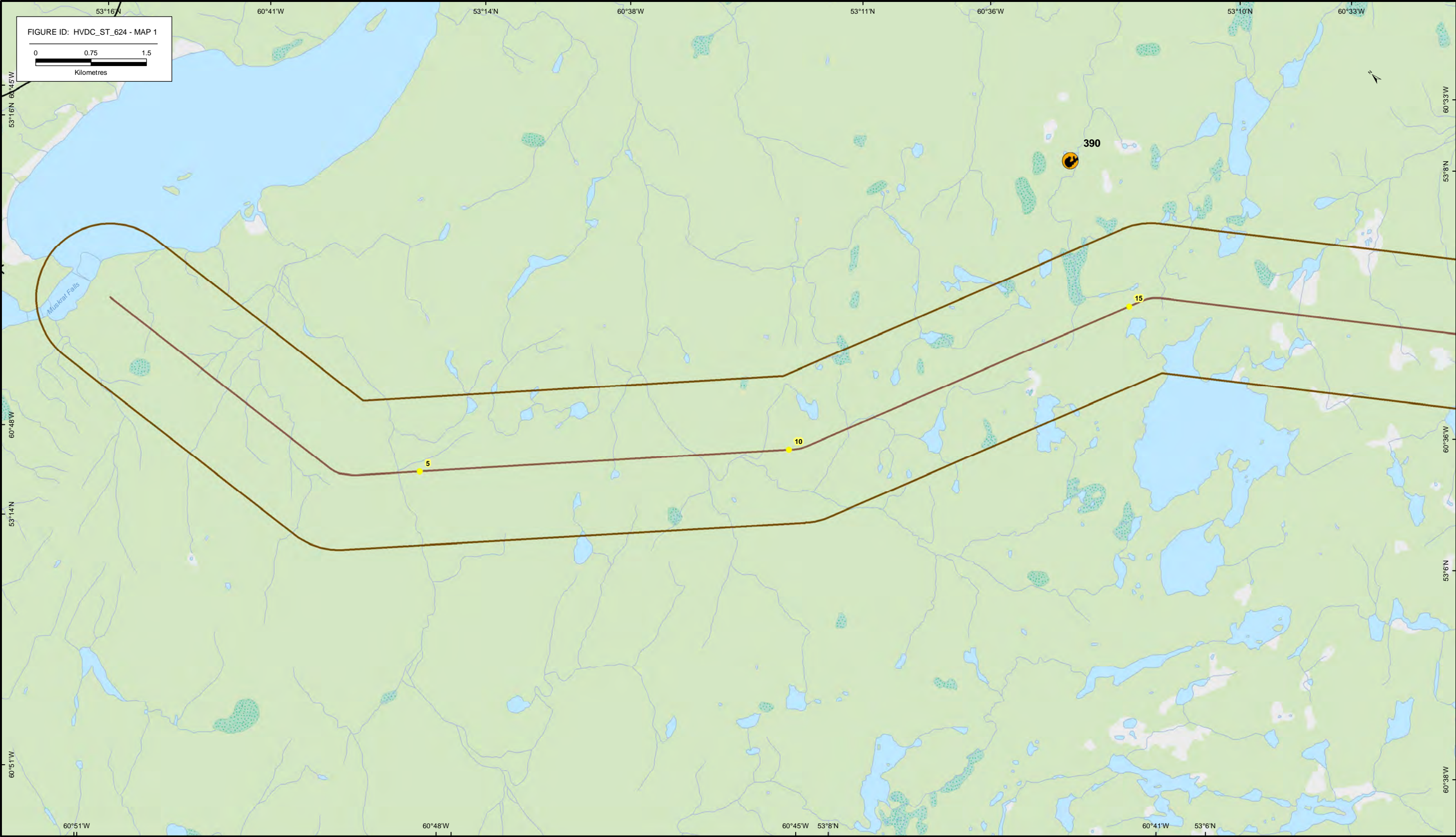
Survey	Date/Time	Latitude	Longitude	Observation	Comments	Mapsheet	Region of Prov.	Category
5	30-MAY-12 8:21:55	53.01815565	-60.41689938	Quarry		02 of 56	C and SE Labrador	Quarry
5	30-MAY-12 8:42:08	52.76786087	-59.88920853	Quarry	Quarry/open area	05 of 56	C and SE Labrador	Quarry
5	30-MAY-12 9:02:28	52.57017930	-59.53662420	Herring Gull Nest	on rock nest	07 of 56	C and SE Labrador	Other Avifauna - Waterbodies
5	30-MAY-12 9:43:24	52.24899114	-58.31728125	Raptor nest	not active	12 of 56	C and SE Labrador	Raptor
5	30-MAY-12 9:49:50	52.22143966	-58.09534103	Osprey Nest	active	12 of 56	C and SE Labrador	Raptor
3	31-AUG-11 1:26:15PM	47.91420300	-53.94278510	Quarry		50 of 56	Avalon Pen	Quarry
3	31-AUG-11 1:26:36PM	47.90639089	-53.94437665	Land fill	Zach - create new code	50 of 56	Avalon Pen	Landfill
3	31-AUG-11 1:27:35PM	47.88243885	-53.94705165	Quarry		50 of 56	Avalon Pen	Quarry
3	31-AUG-11 1:36:18PM	47.67496898	-53.90984212	Beaver Dam		51 of 56	Avalon Pen	Beaver Activity - Dam
3	31-AUG-11 2:00:27PM	47.37146965	-53.24320782	Beaver Lodge		55 of 56	Avalon Pen	Beaver Activity - Lodge
3	31-AUG-11 3:22:00PM	47.38317909	-53.21725326	Beaver Lodge		55 of 56	Avalon Pen	Beaver Activity - Lodge
3	31-AUG-11 3:22:29PM	47.38506057	-53.23513655	Cabins	Zach - add 2 cabins here	55 of 56	Avalon Pen	Cabin
3	31-AUG-11 3:25:38PM	47.40477246	-53.34201814	Beaver Lodge, old	Old	54 of 56	Avalon Pen	Beaver Activity - Lodge
3	31-AUG-11 3:26:50PM	47.42210875	-53.37691686	Beaver Lodge, old	Old	54 of 56	Avalon Pen	Beaver Activity - Lodge
3	31-AUG-11 3:28:23PM	47.43584267	-53.43416945	Beaver Dam		54 of 56	Avalon Pen	Beaver Activity - Dam
3	31-AUG-11 3:31:24PM	47.45375019	-53.55522199	Dam		53 of 56	Avalon Pen	Beaver Activity
3	31-AUG-11 3:46:32PM	47.67657864	-53.90386867	Cabins	Zach - add 2 cabins here	51 of 56	Avalon Pen	Cabin
3	31-AUG-11 3:46:45PM	47.68144576	-53.90679706	Cabins	Zach - add 2 cabins here	51 of 56	Avalon Pen	Cabin
3	31-AUG-11 3:53:51PM	47.85677841	-53.94728492	Sunnyside substation	Zach - write 'Substation'	50 of 56	Avalon Pen	See Comment
3	31-AUG-11 4:13:04PM	48.28841222	-54.18579298	Beaver Dam		47 of 56	C and E NF	Beaver Activity - Dam
3	31-AUG-11 4:37:13PM	48.66580616	-54.87262415	Beaver Lodge		44 of 56	C and E NF	Beaver Activity - Lodge
3	31-AUG-11 5:31:44PM	48.91645750	-55.84996881	Nest (osprey?) on pole line		39 of 56	C and E NF	Raptor Activity

APPENDIX D

Detailed Mapping to Support Environmental Protection Plan

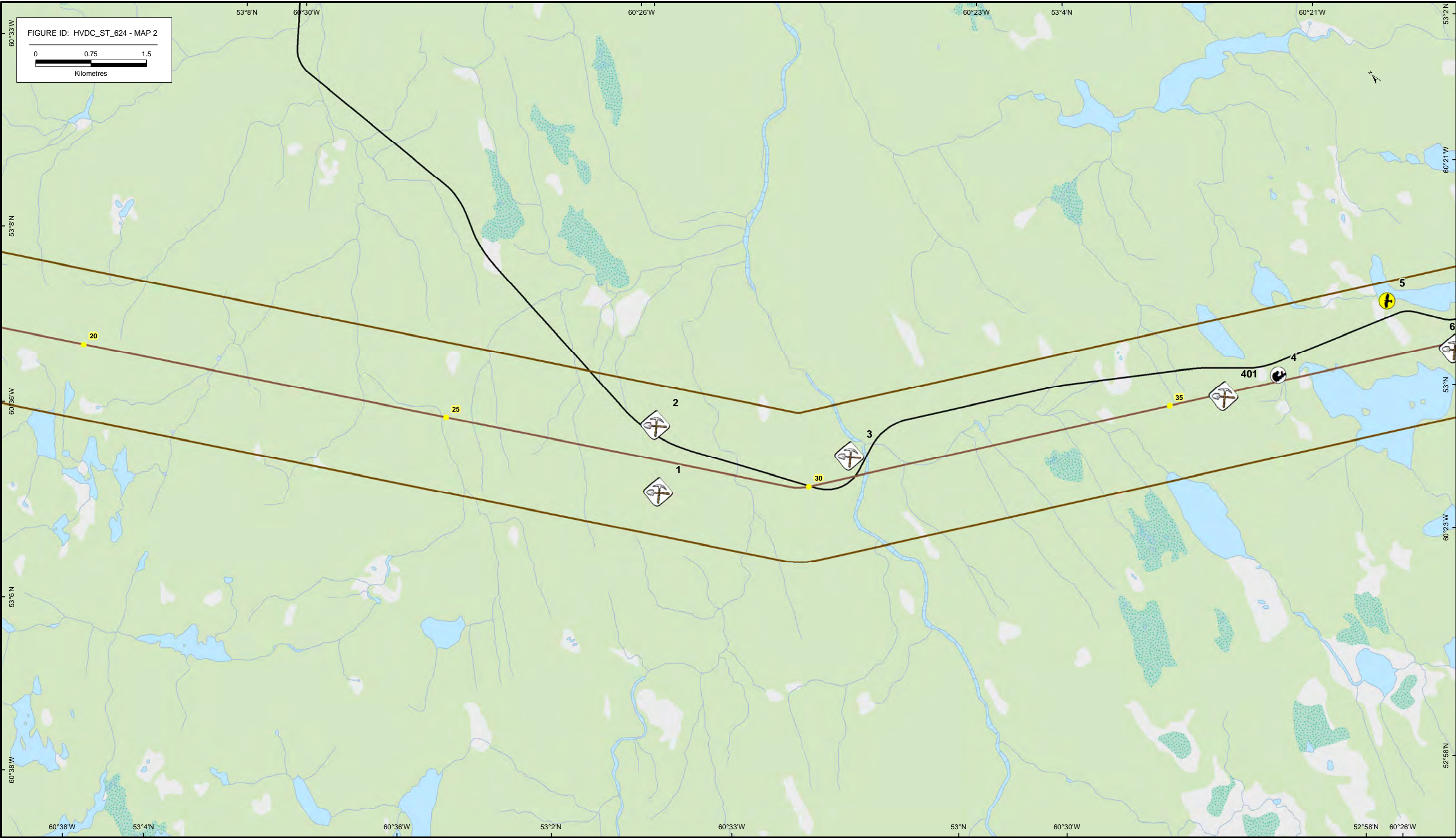


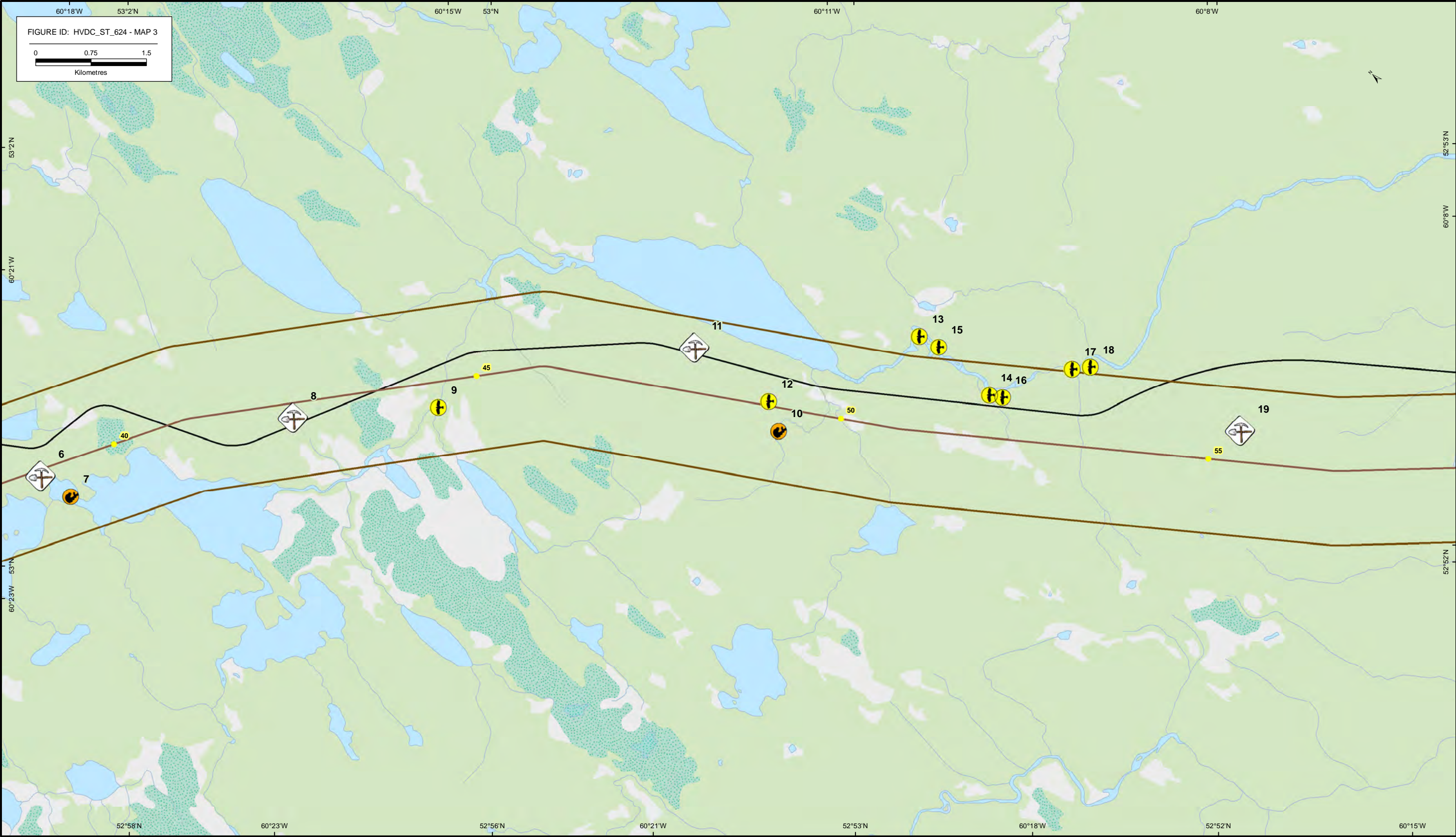
	Beaver Activity - Undefined		Buildings		Structure: Campground
	Beaver Activity - Lodge		KM Markers: 5 km		Structure: Cemetery
	Beaver Activity - Dam/Lodge		KM Marker: Rivers		Structure: Golf Course
	Beaver Activity - Dam		Centreline		Structure: Runway: Airport: Hard Surface
	Caribou Activity		Trans-Labrador Highway		Structure: Transmission Line: Power
	Moose Activity		Road		Structure: Water: Wharf
	Raptor Activity		Gravel Road		Wetlands and String Bogs
	Waterfowl Activity		Ferry Route		2km Corridor
	Other Wildlife Activity		Limited Use Road		Reserve (Ecological, Wildreiness, Public, Wildlife or other)
	Fen/Marsh		Railroad		Park (Provincial, Wildlife)
	Flora		Trail		Special Management Area
	Cabin				Submarine Cable Crossing Corridor
	Landfill				
	Quarry				
	Substation				
	Disturbance				
	Other - Landuse Activity				

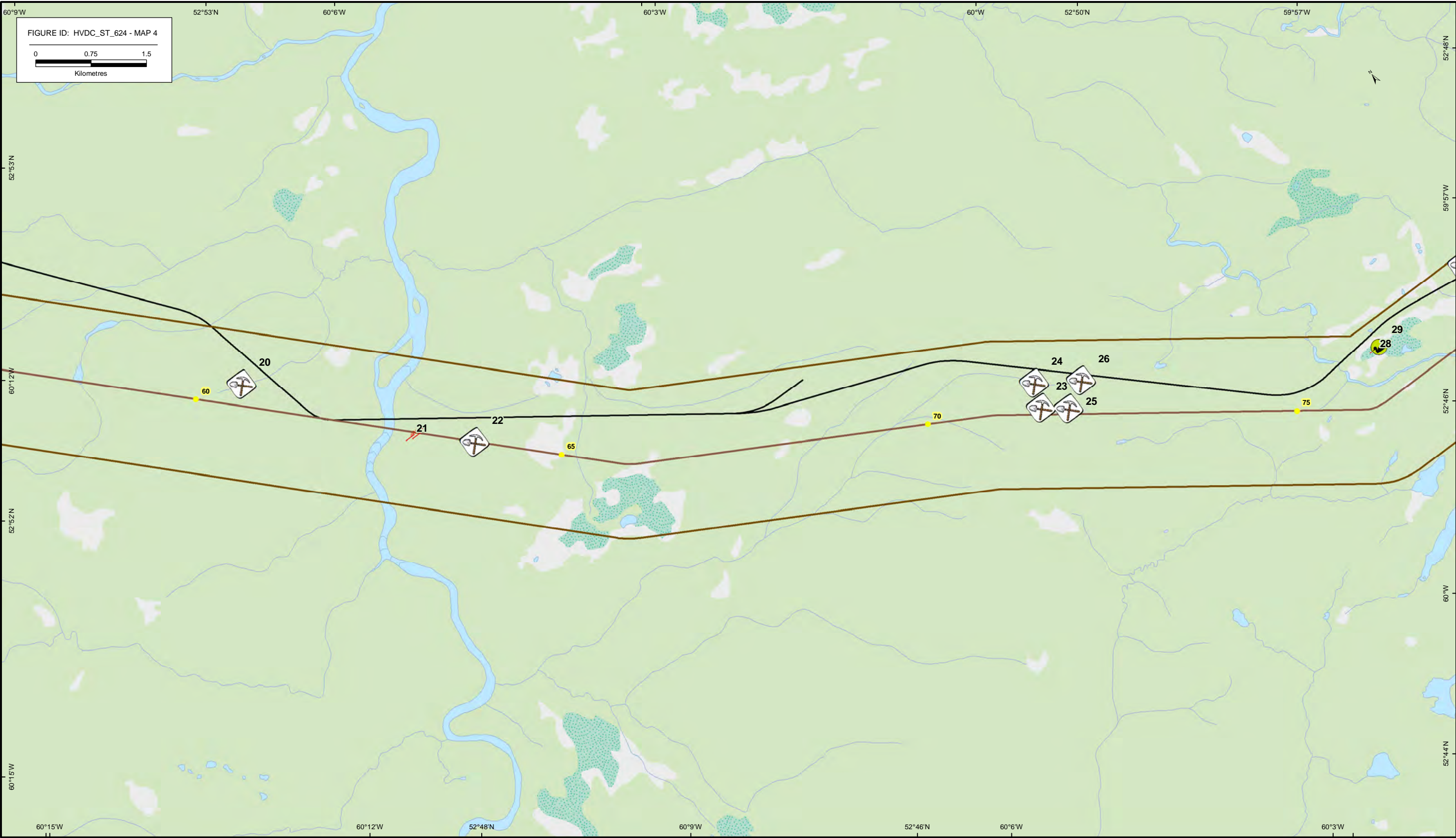


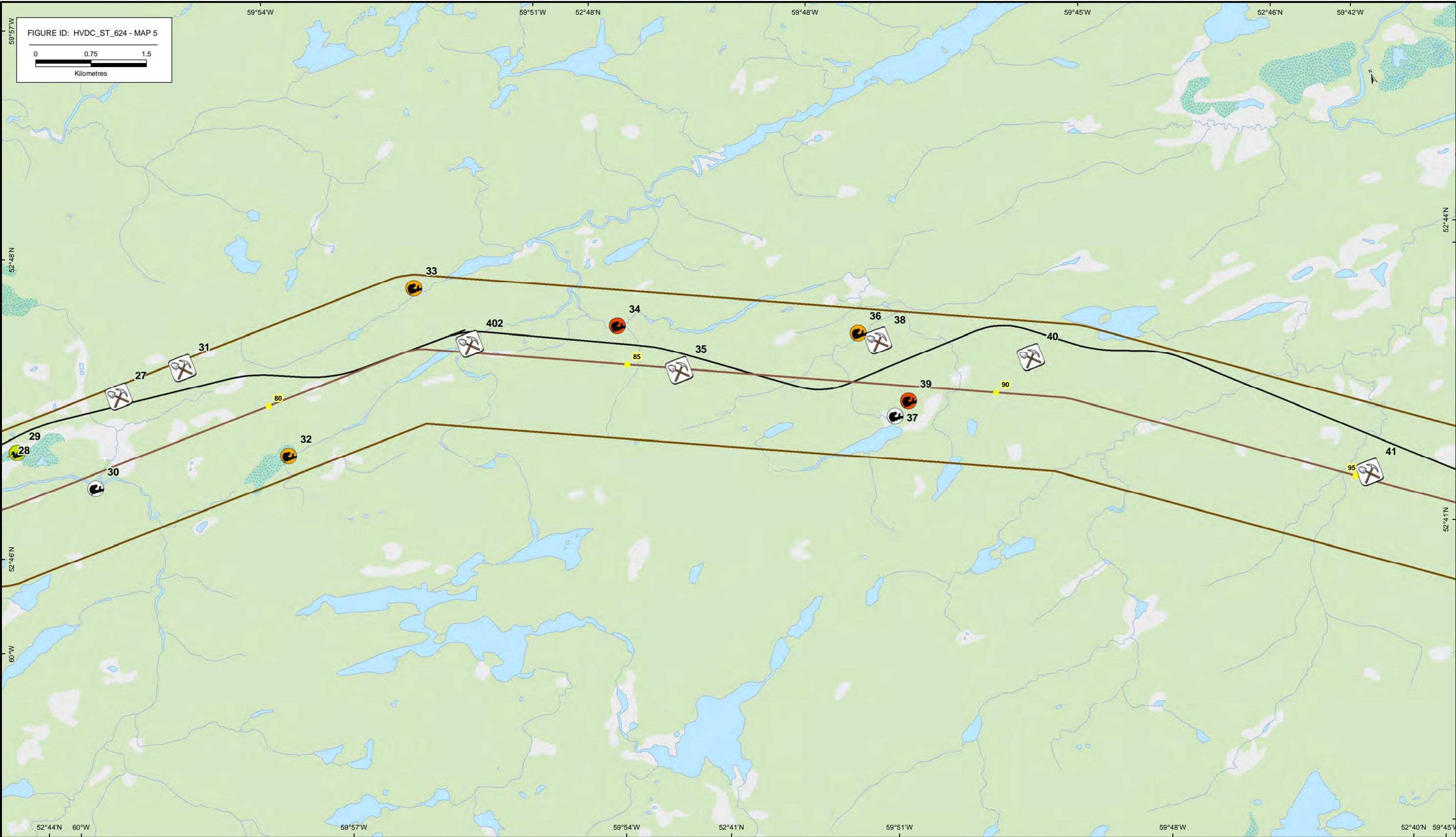
MAP 1 of 56

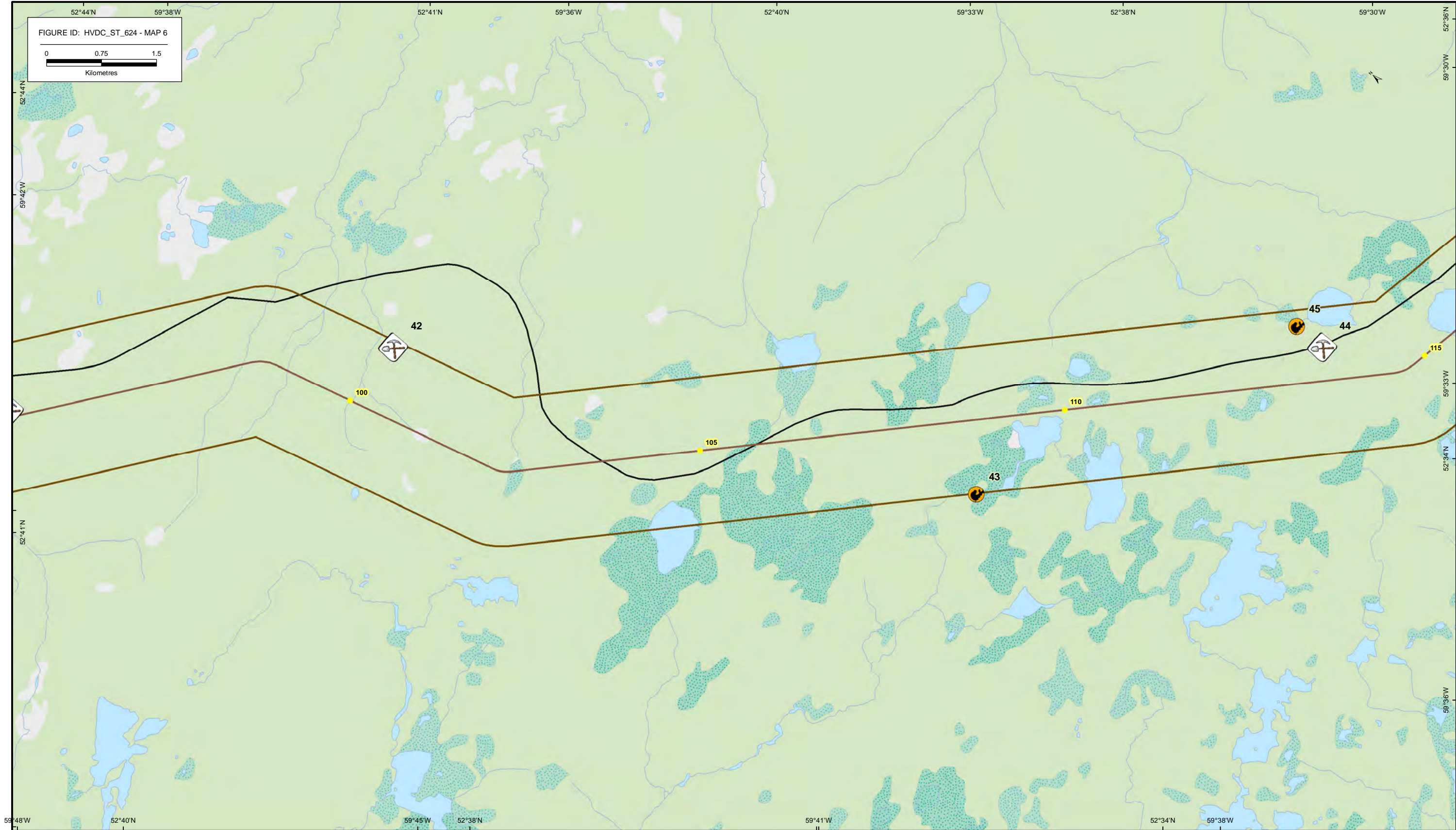
Labrador Island Transmission Link: Wildlife Surveys 1 - 5





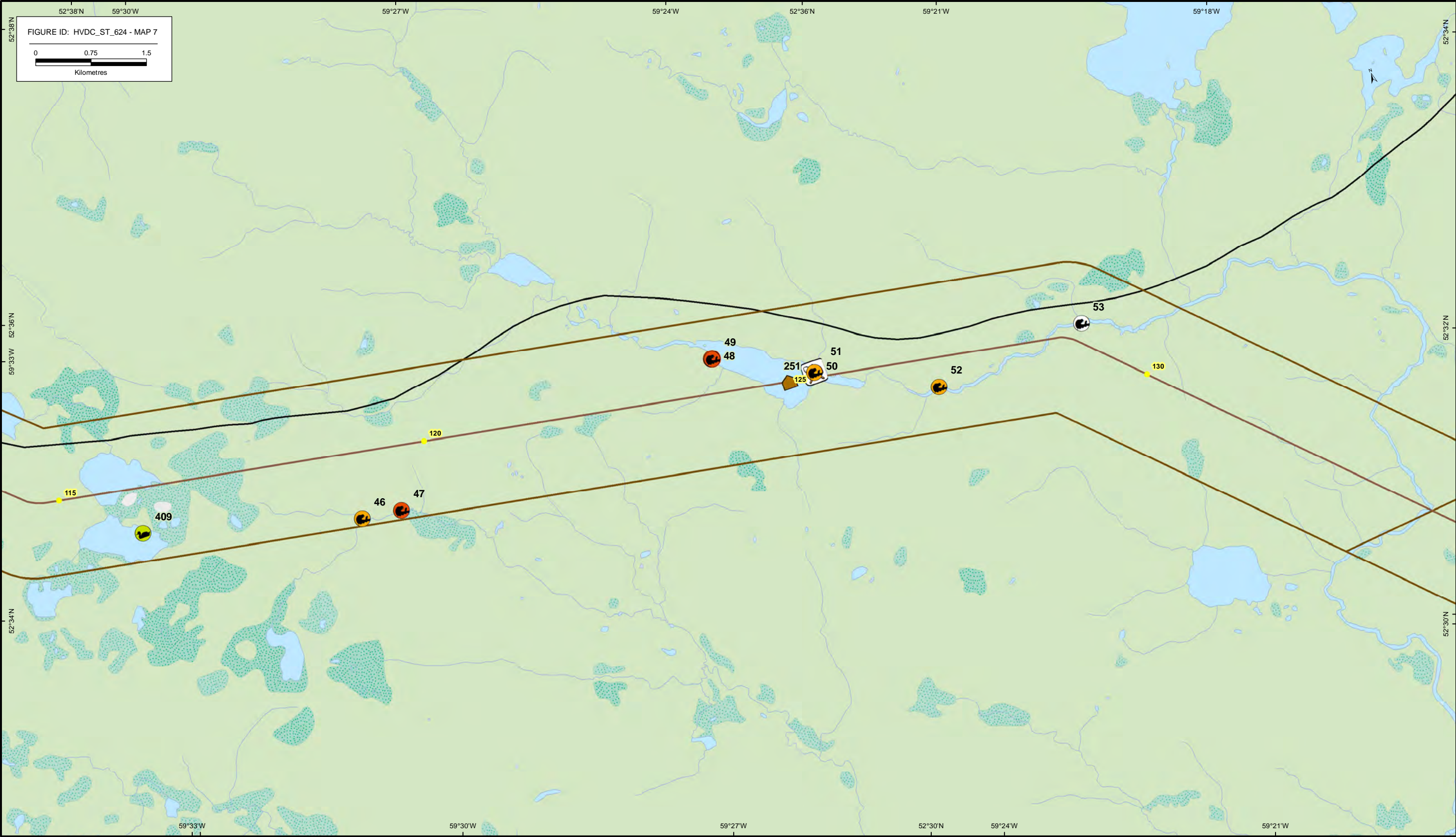






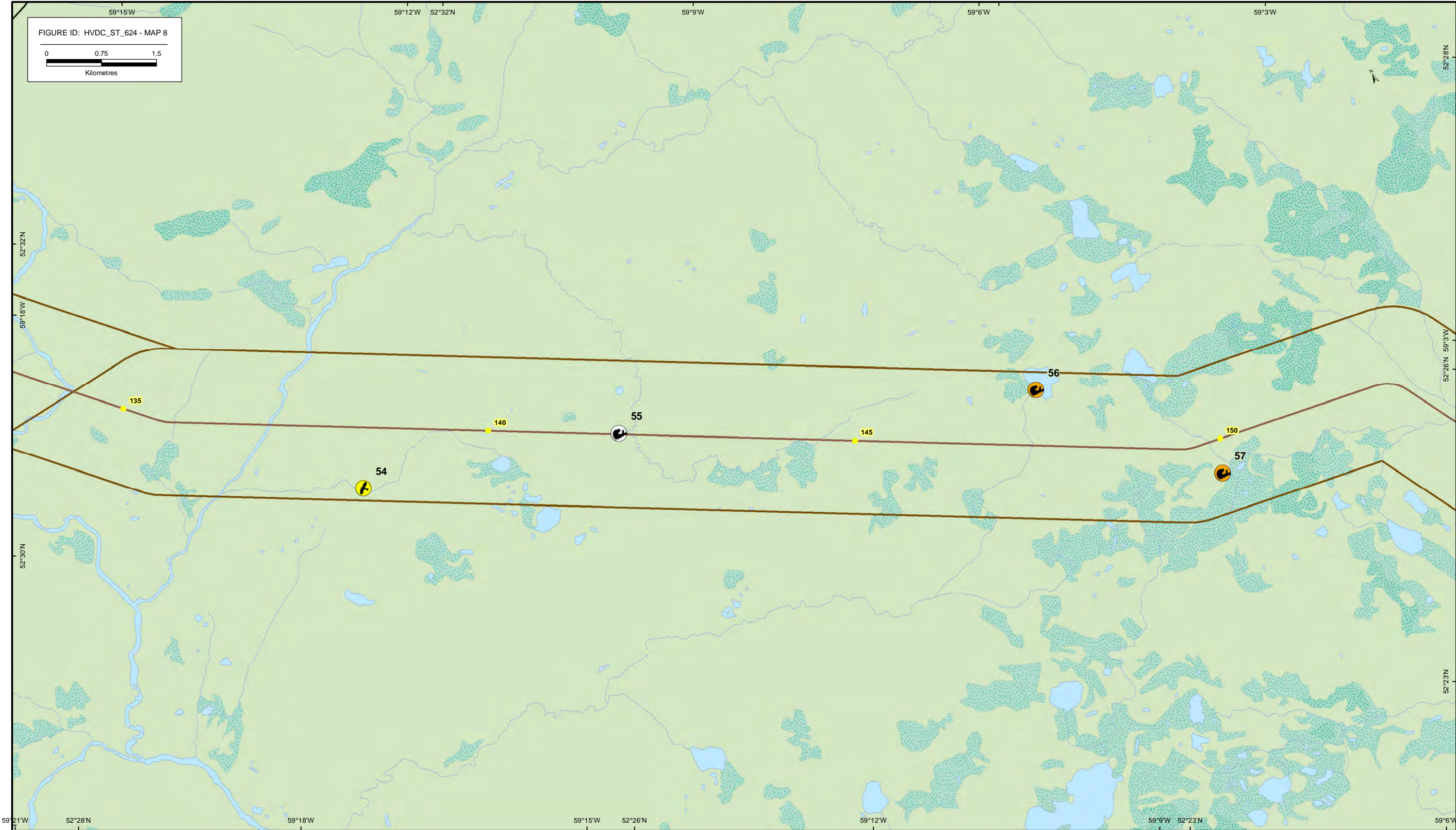
MAP 6 of 56

Labrador Island Transmission Link: Wildlife Surveys 1 - 5



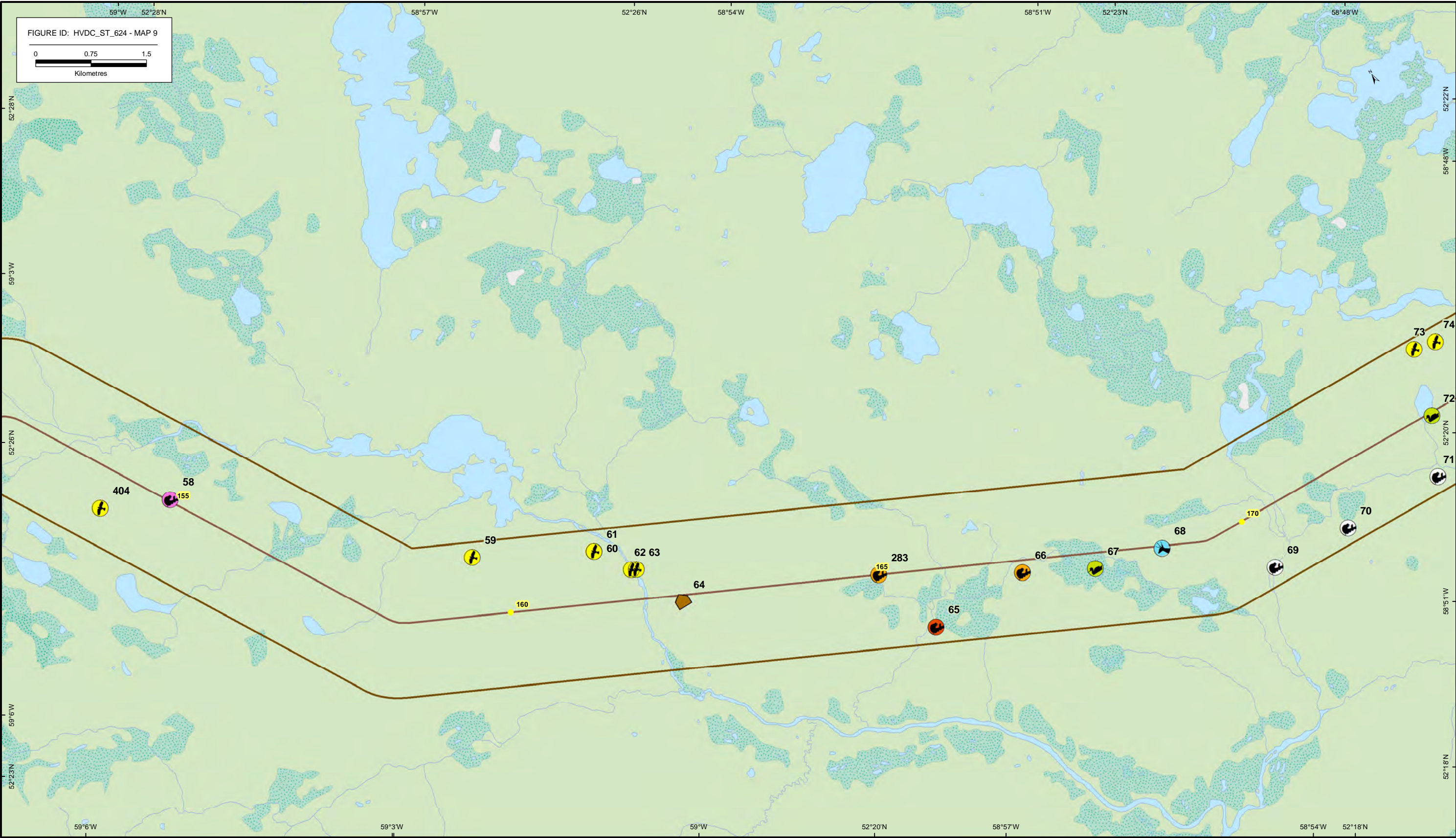
MAP 7 of 56

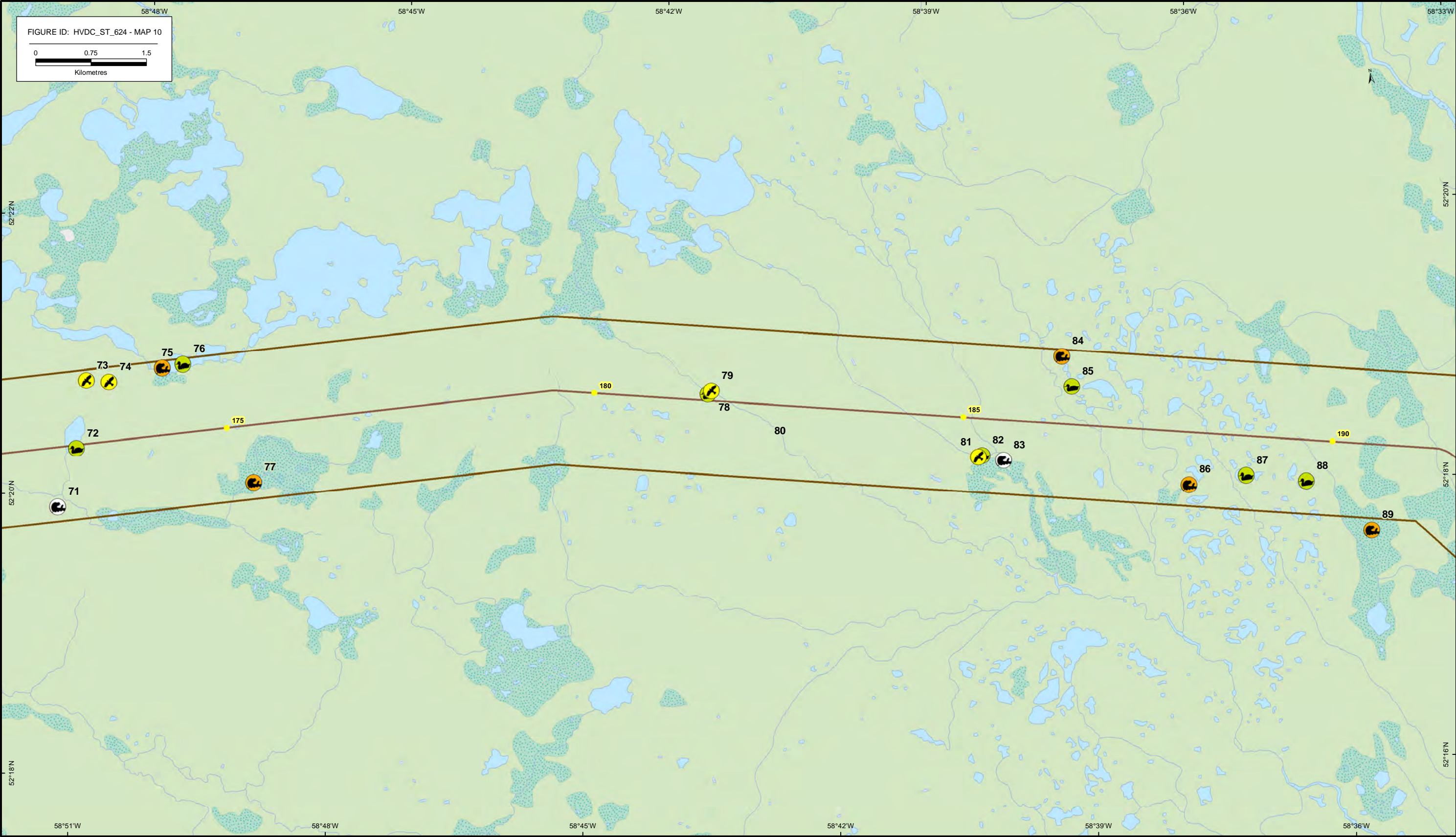
Labrador Island Transmission Link: Wildlife Surveys 1 - 5

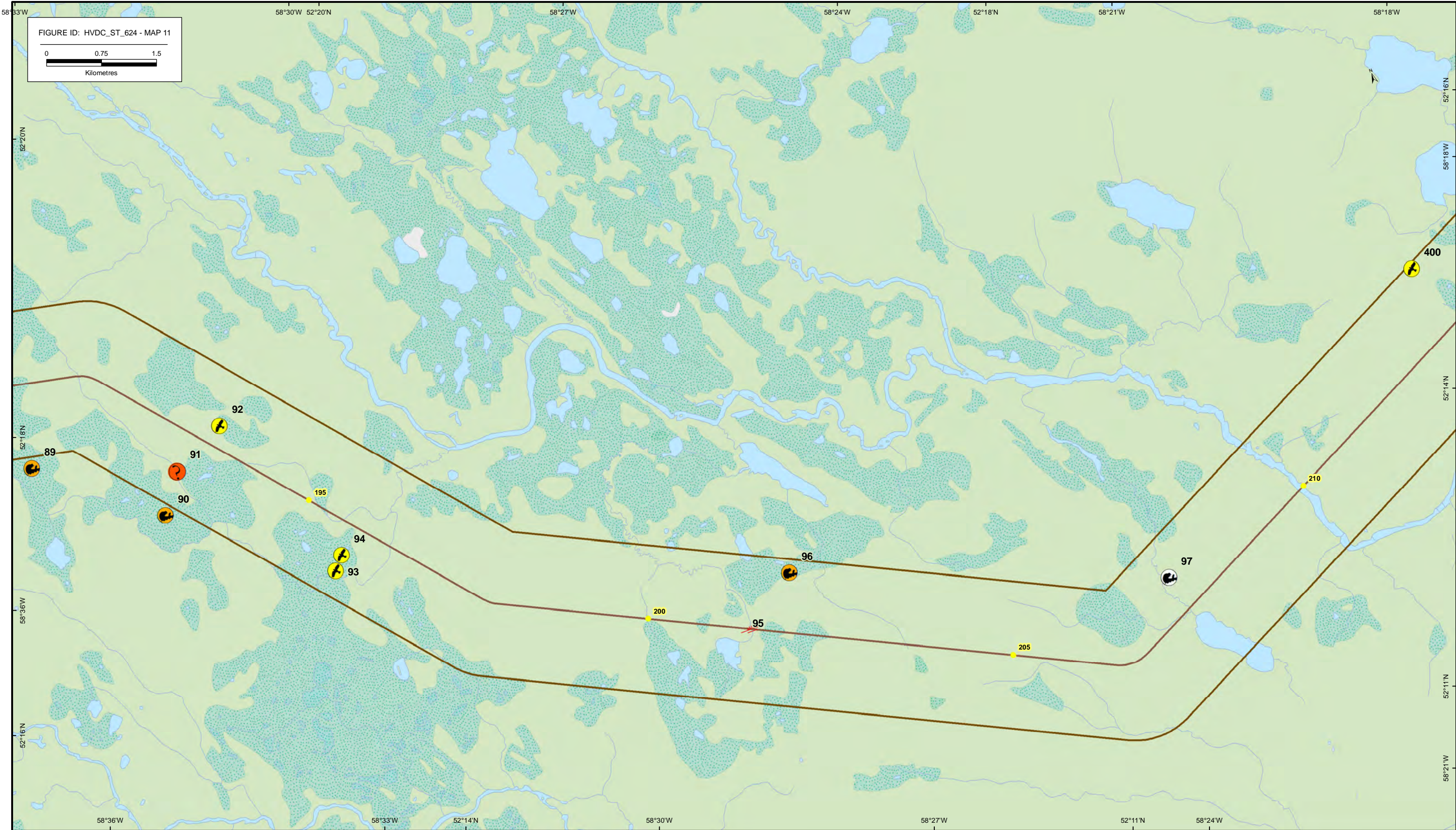


MAP 8 of 56

Labrador Island Transmission Link: Wildlife Surveys 1 - 5

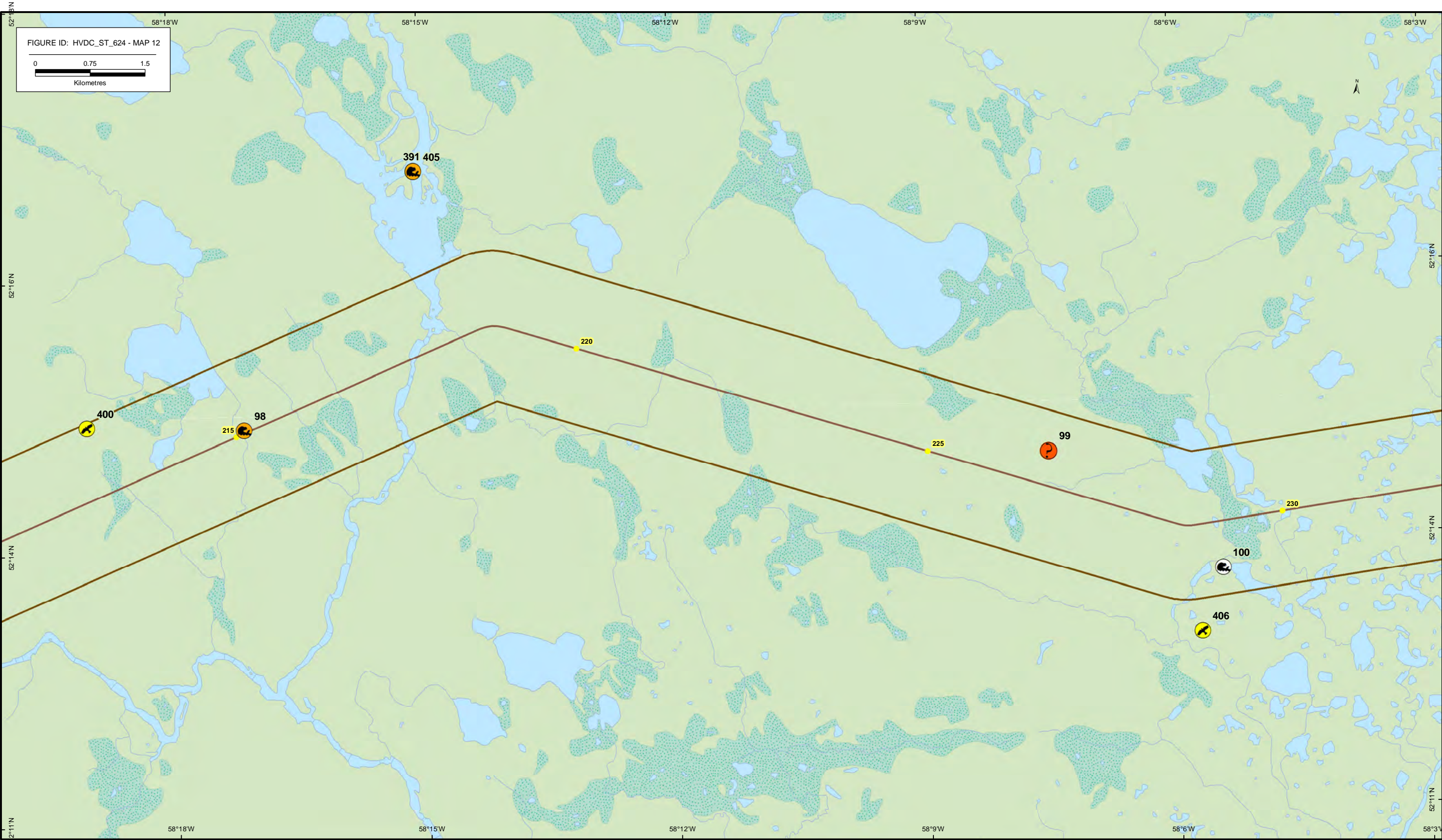


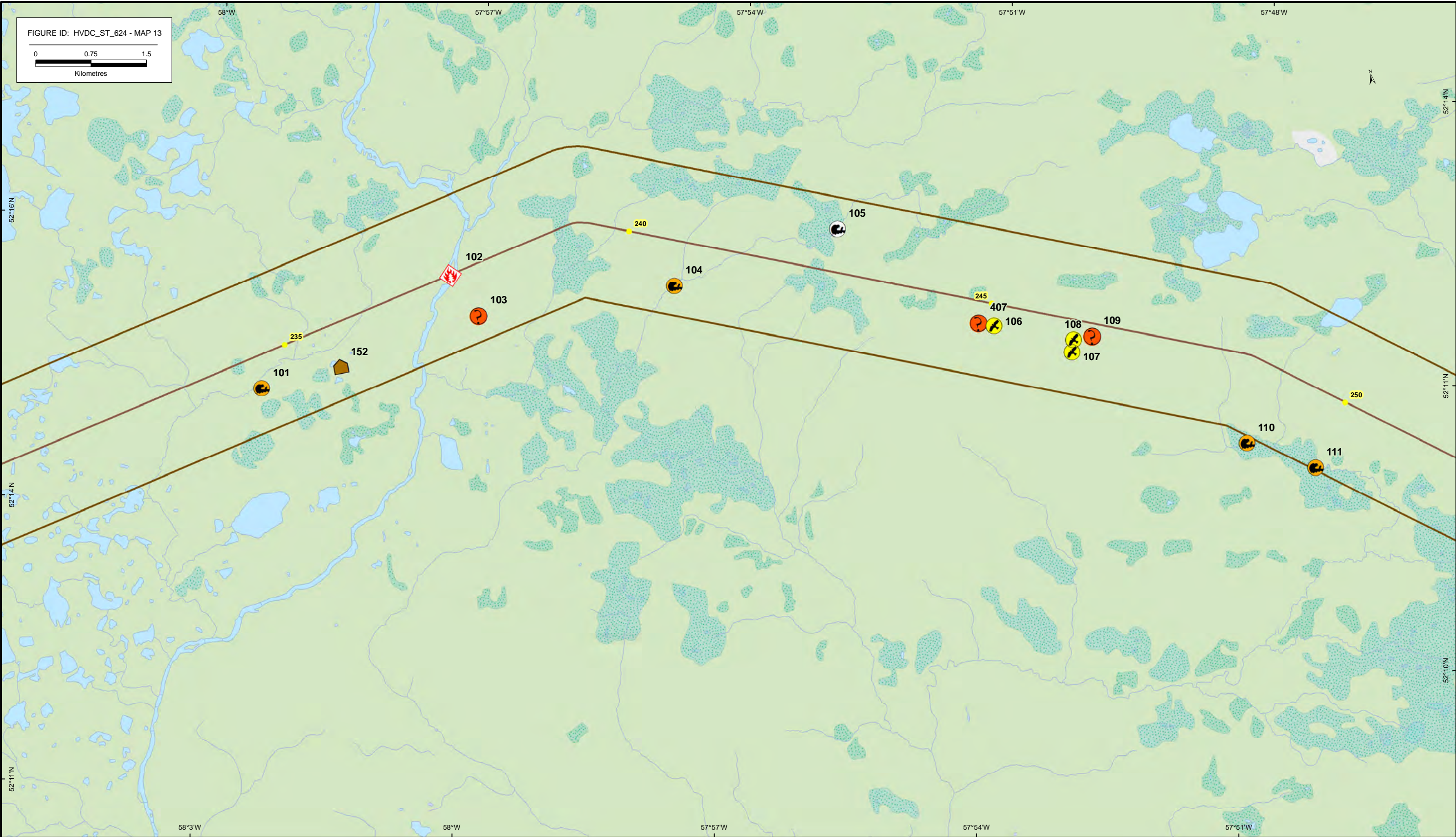


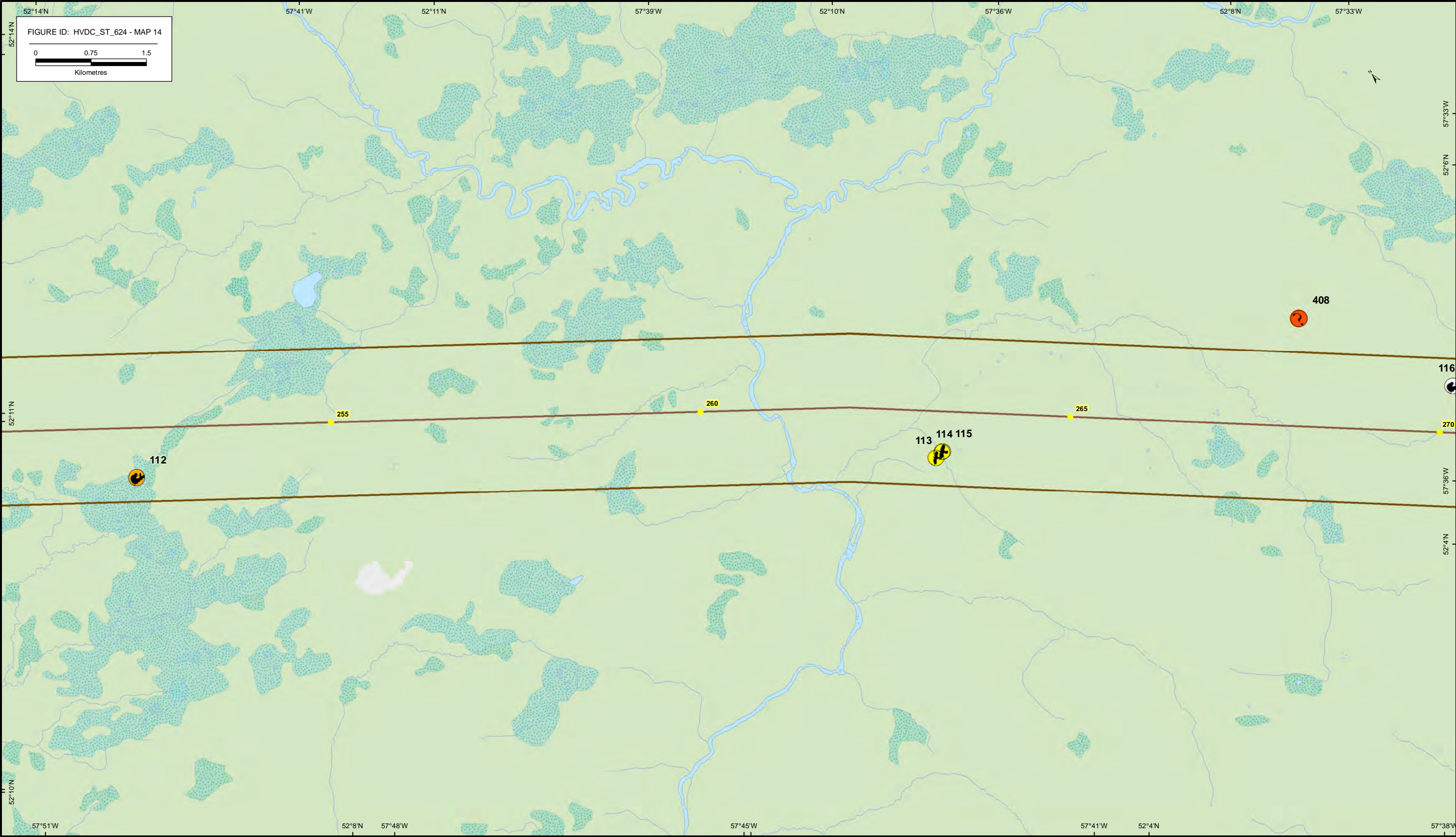


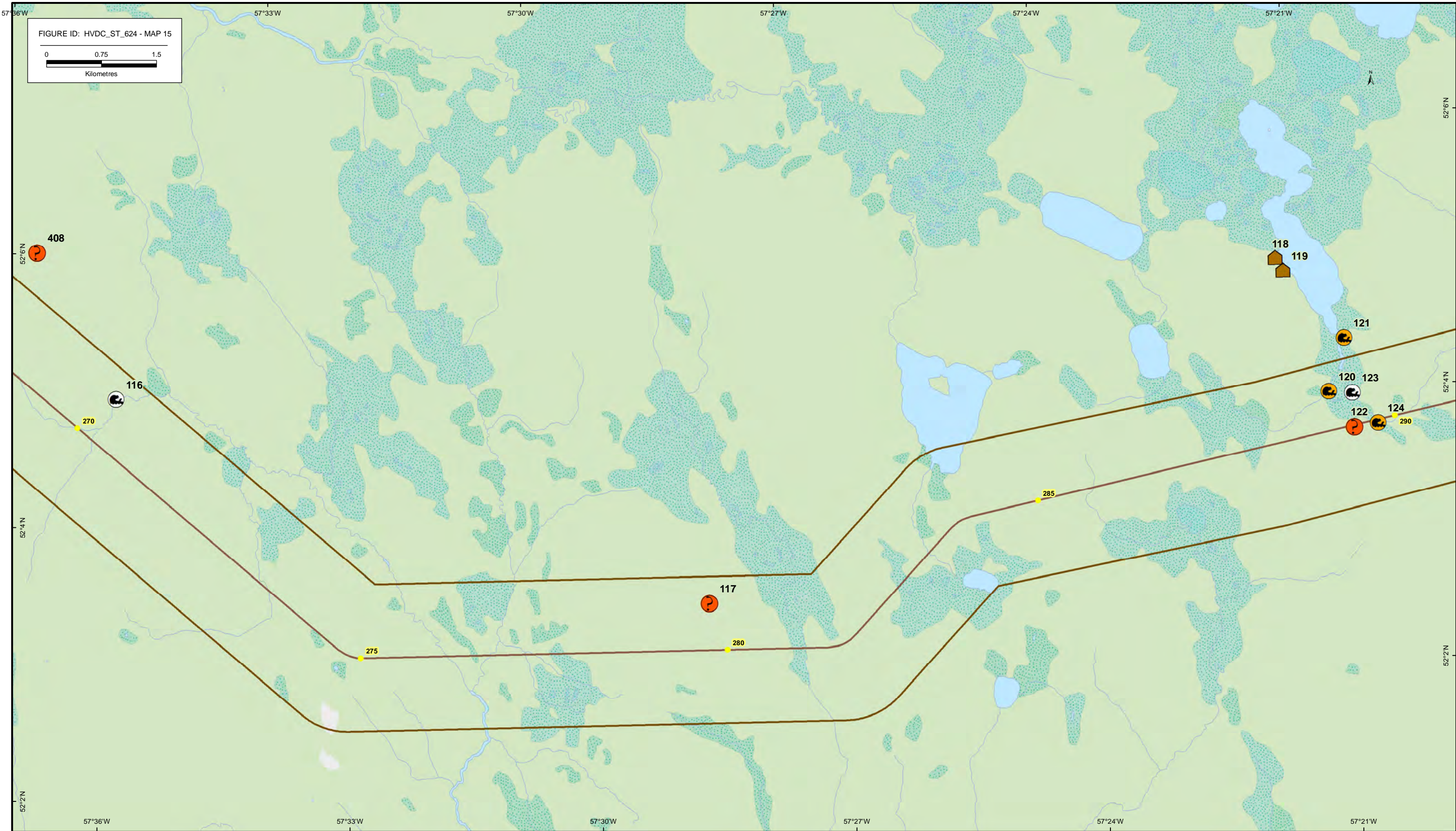
MAP 11 of 56

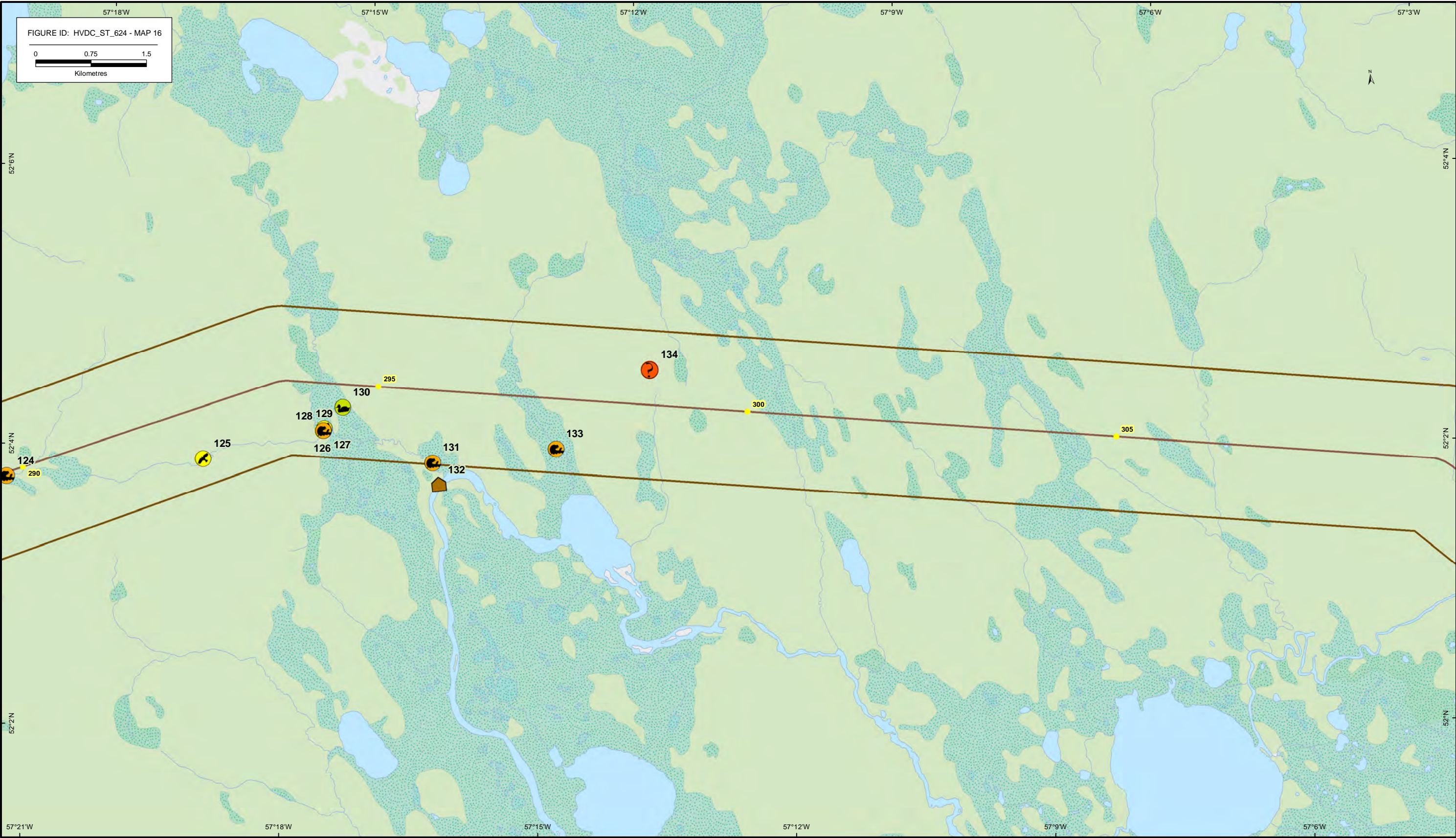
Labrador Island Transmission Link: Wildlife Surveys 1 - 5

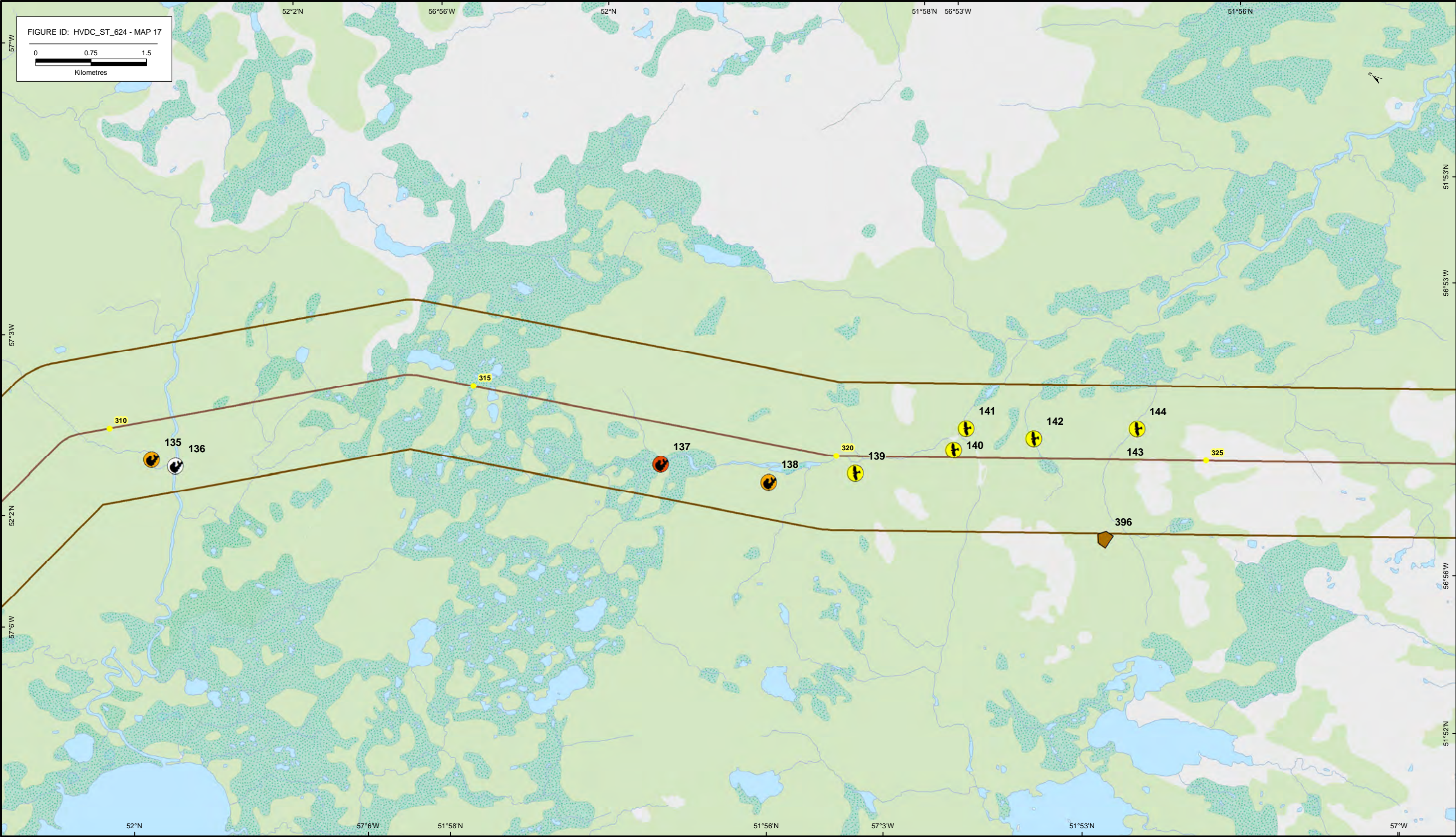






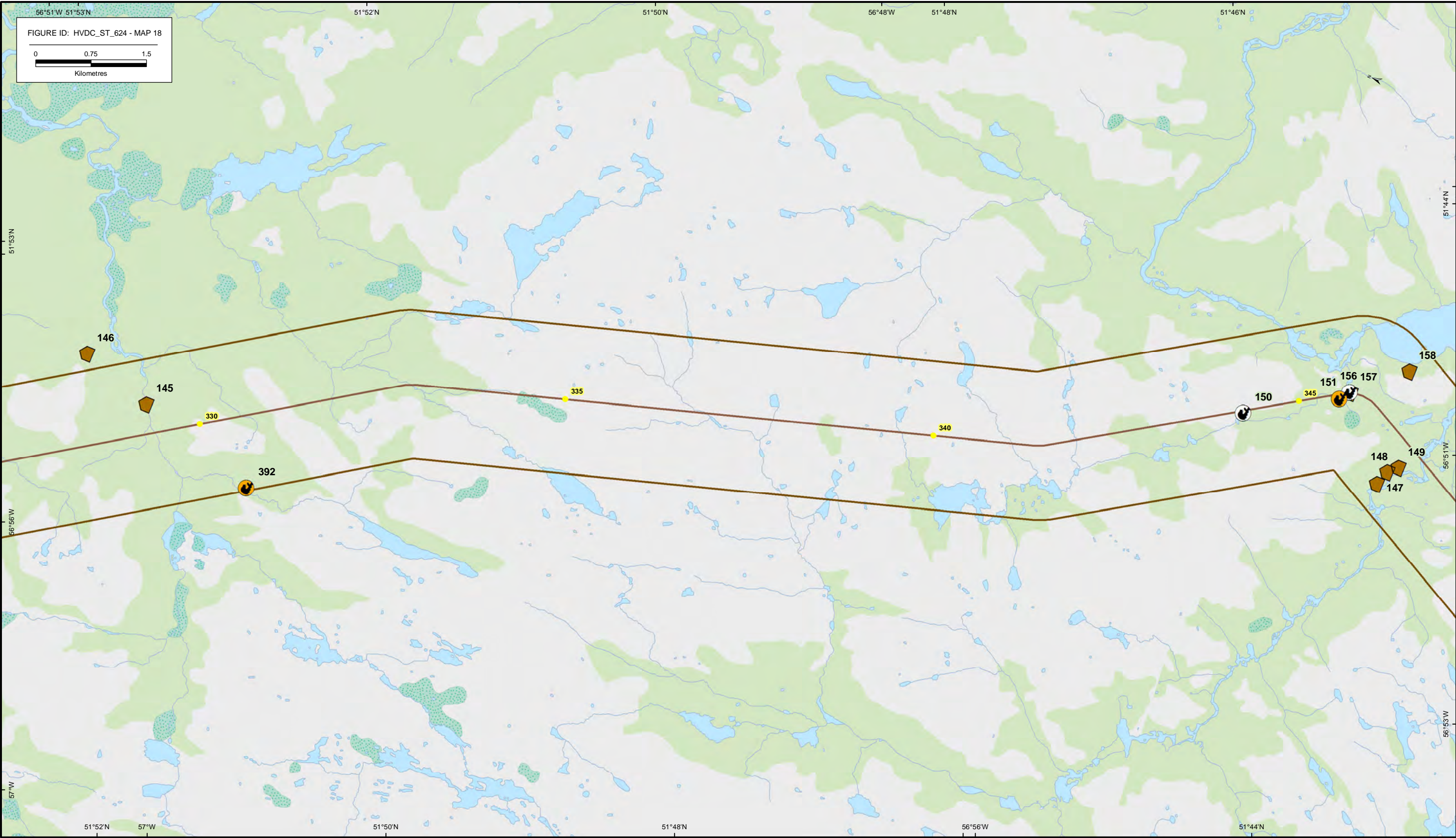


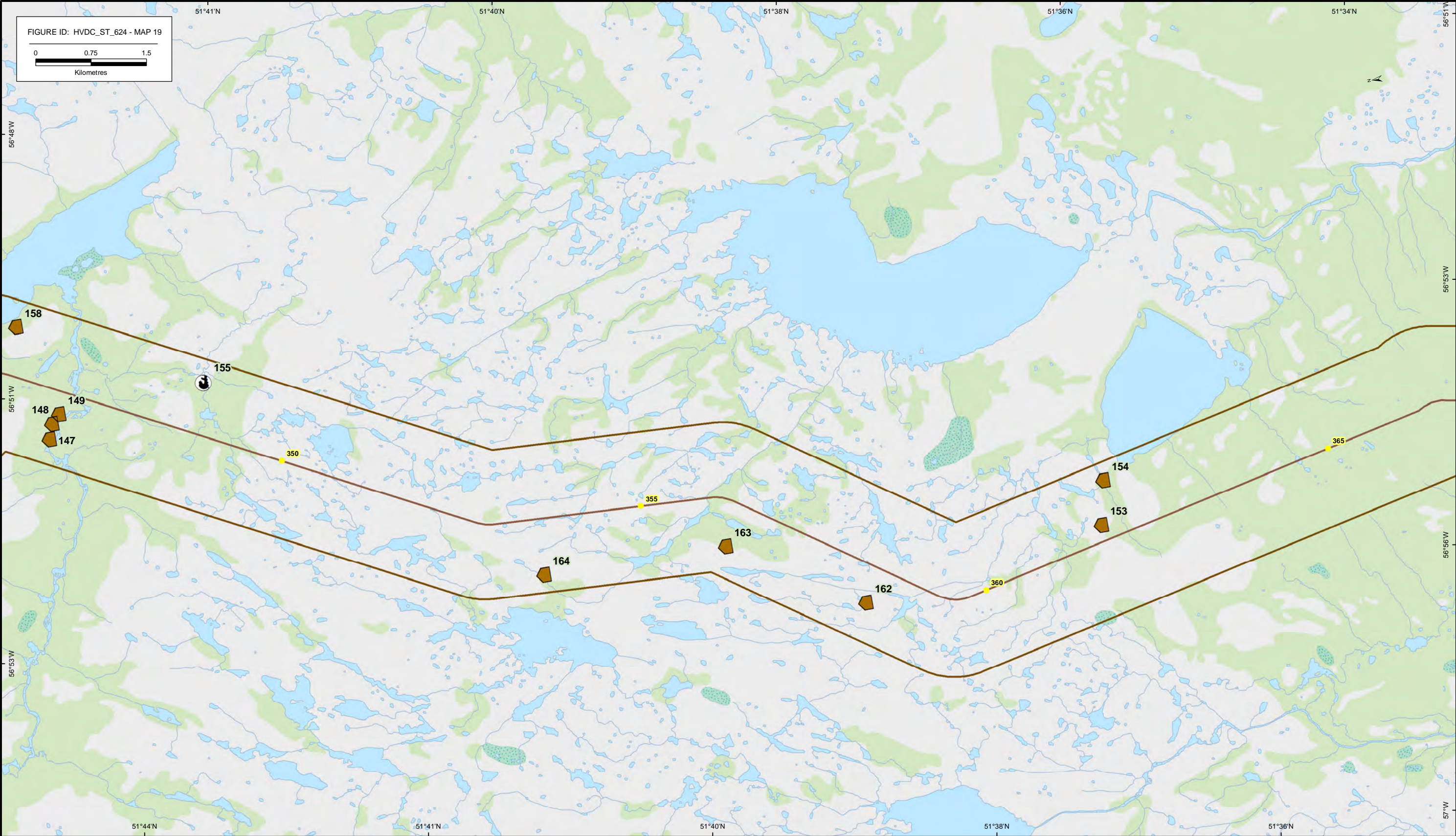


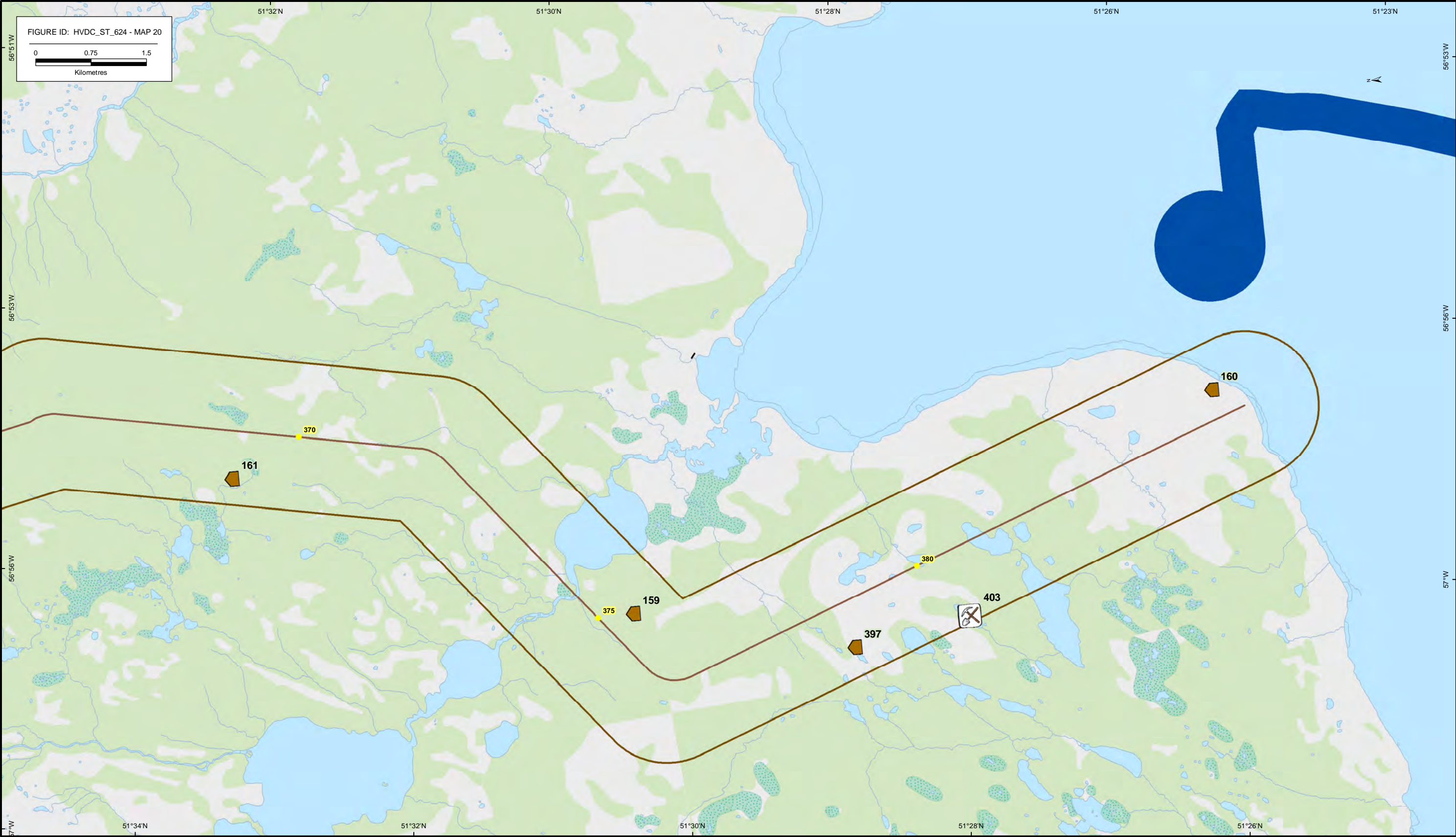


MAP 17 of 56

Labrador Island Transmission Link: Wildlife Surveys 1 - 5

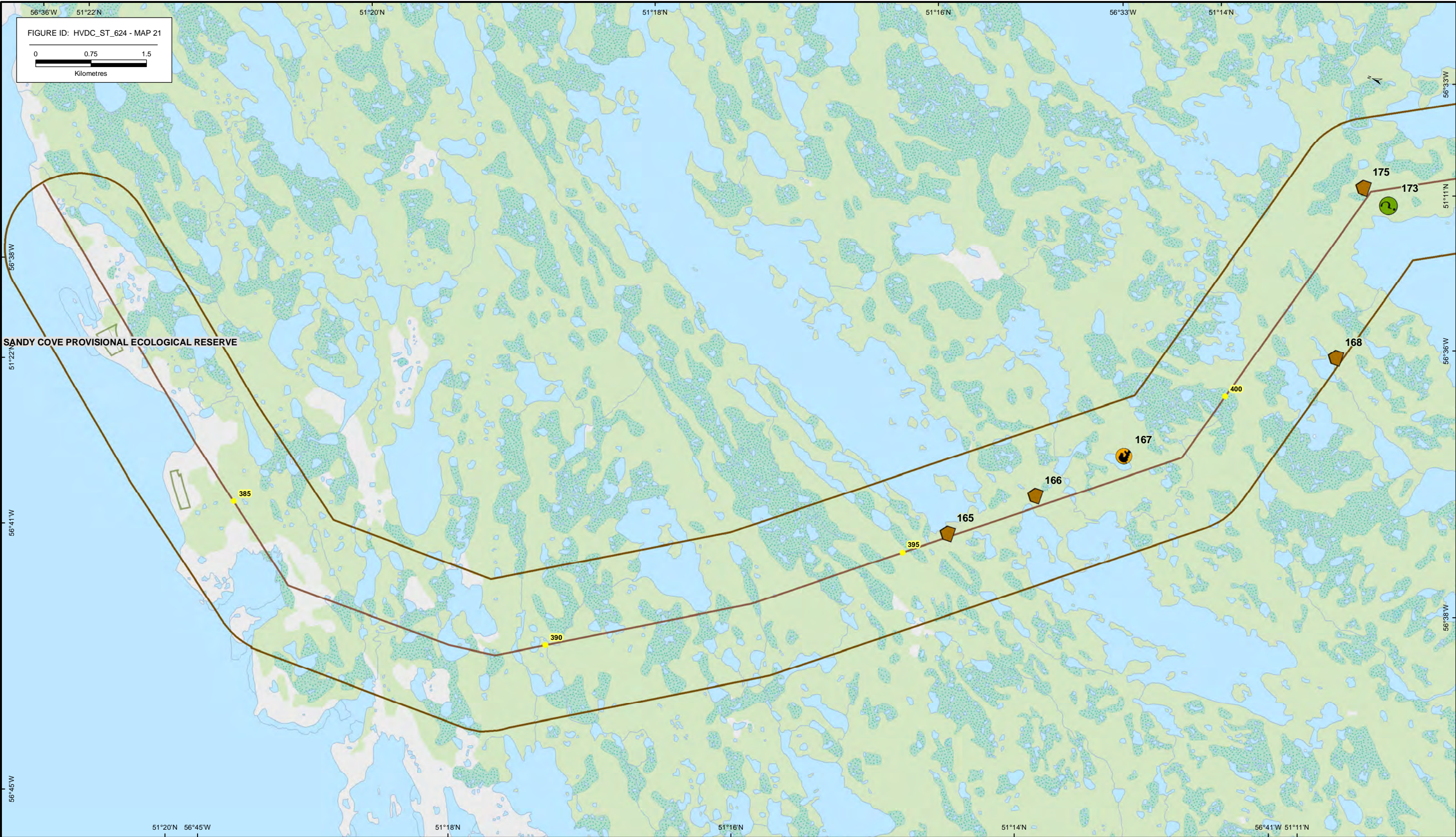


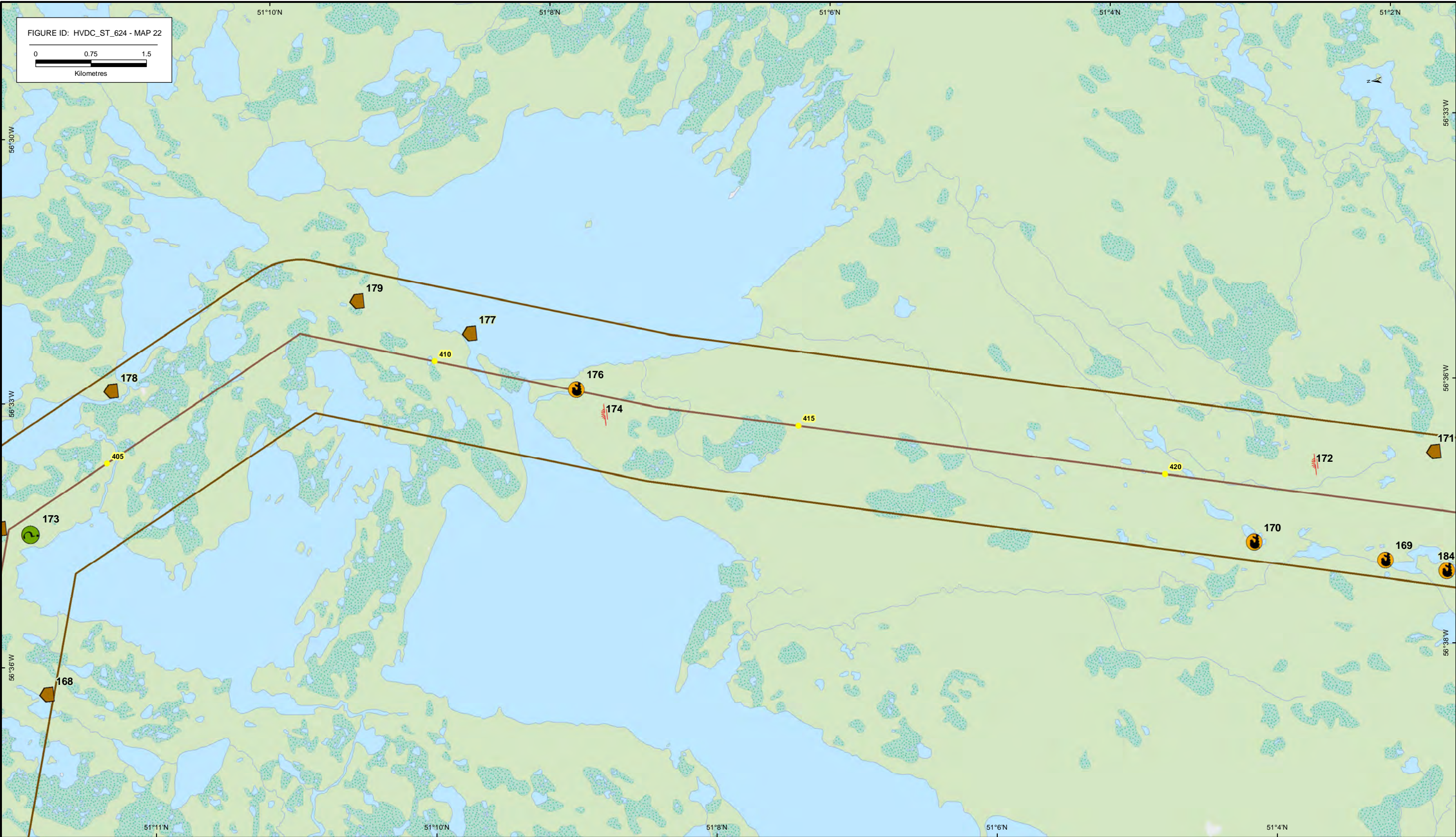


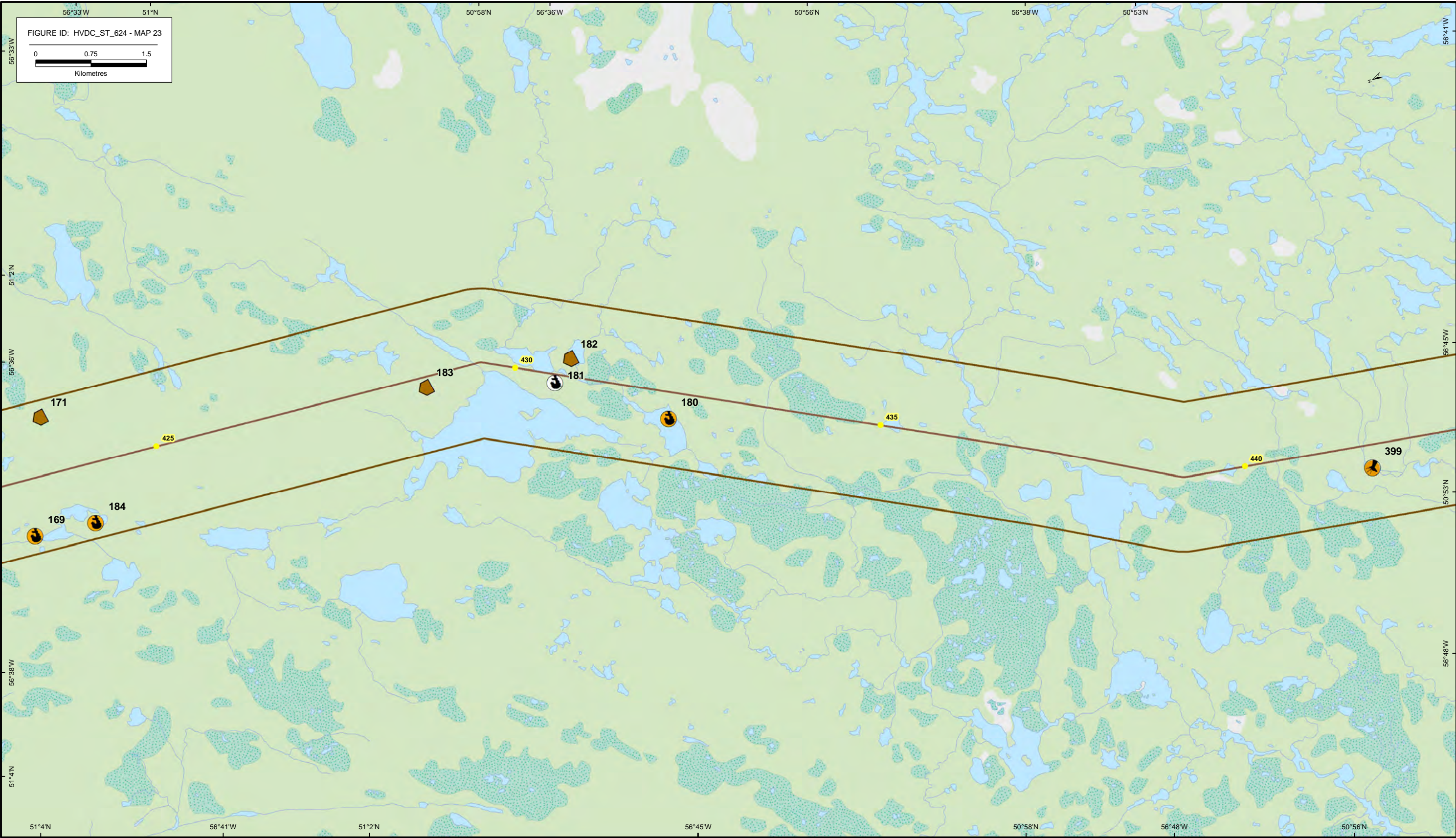


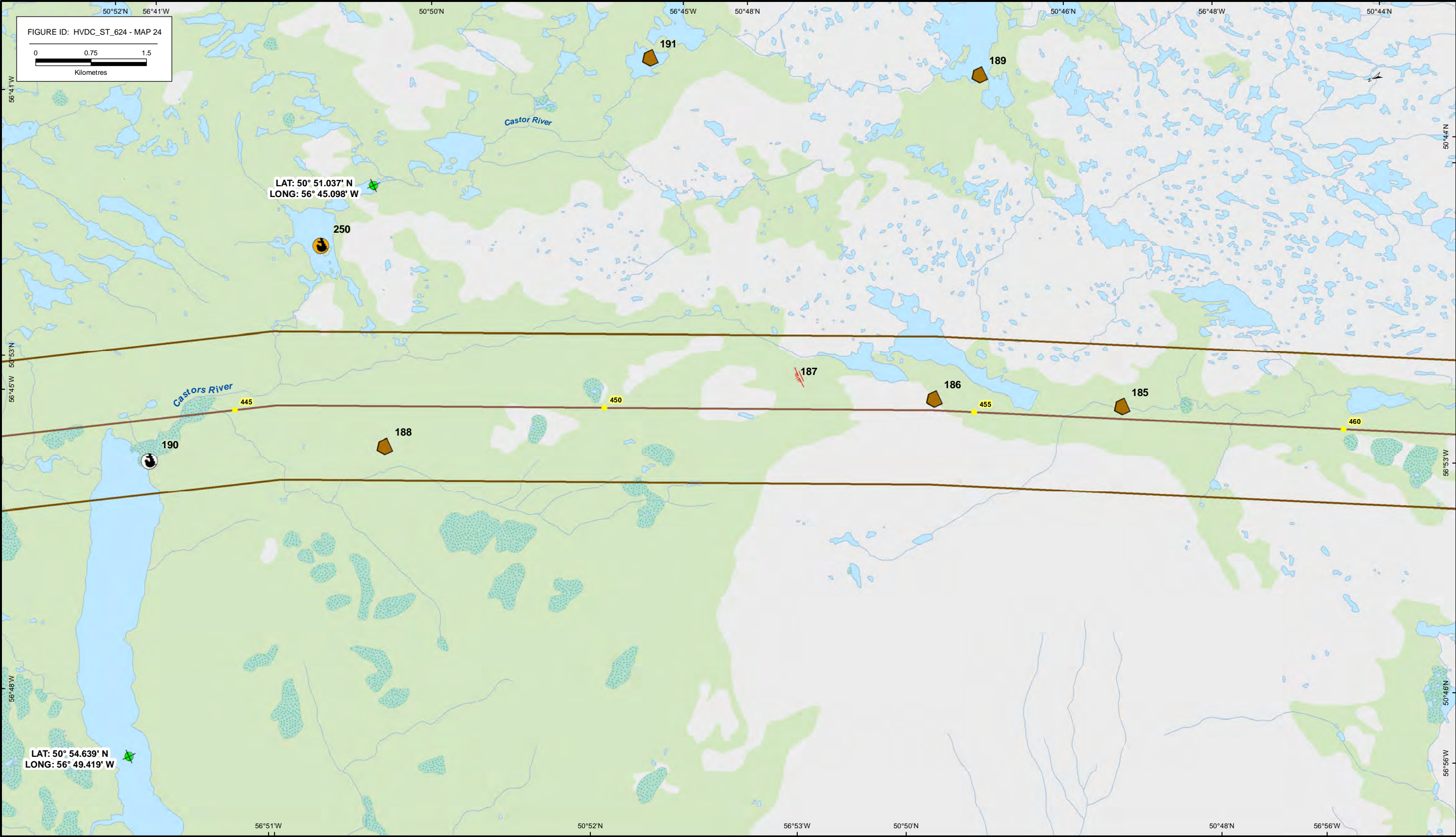
MAP 20 of 56

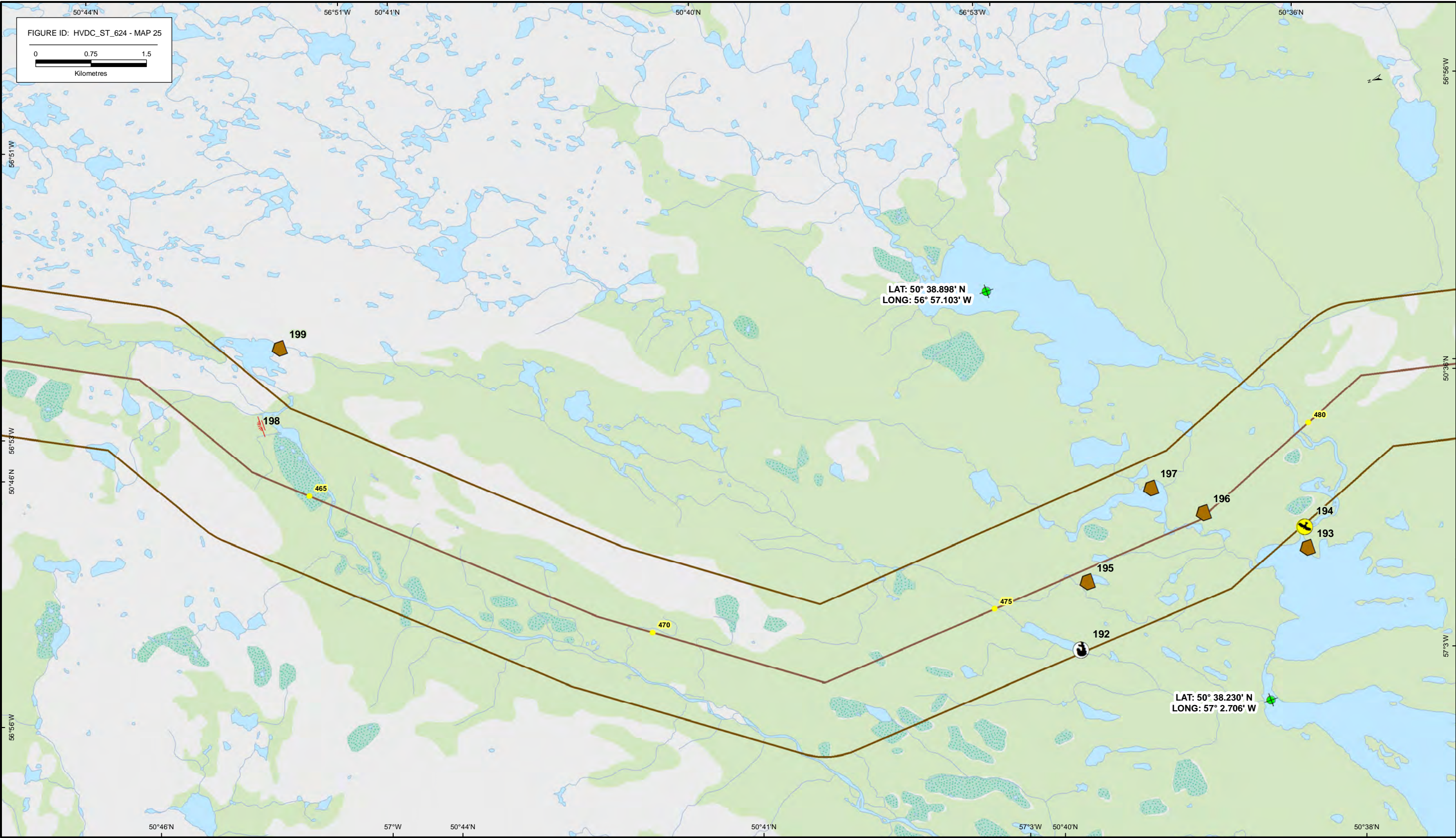
Labrador Island Transmission Link: Wildlife Surveys 1 - 5





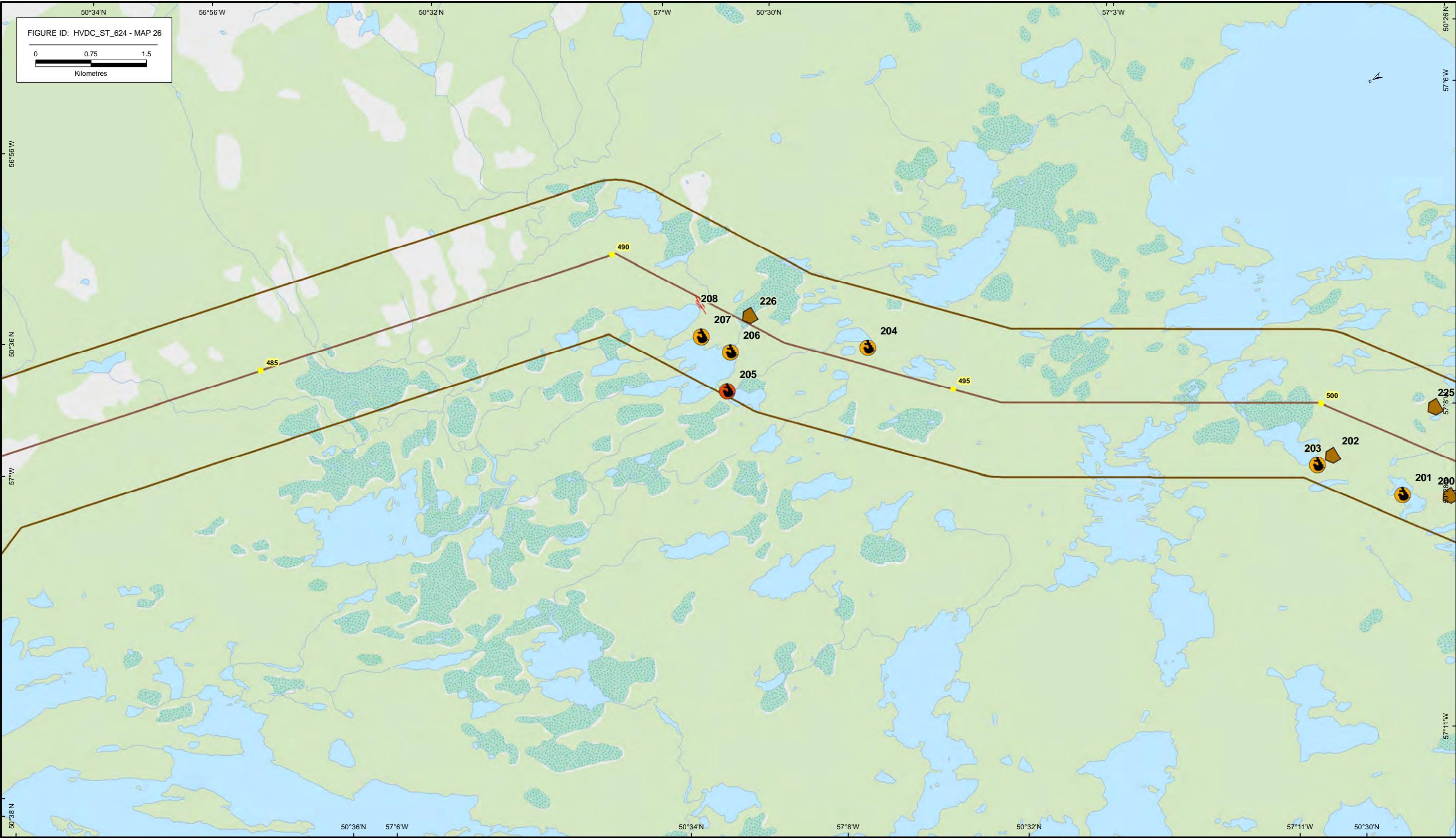






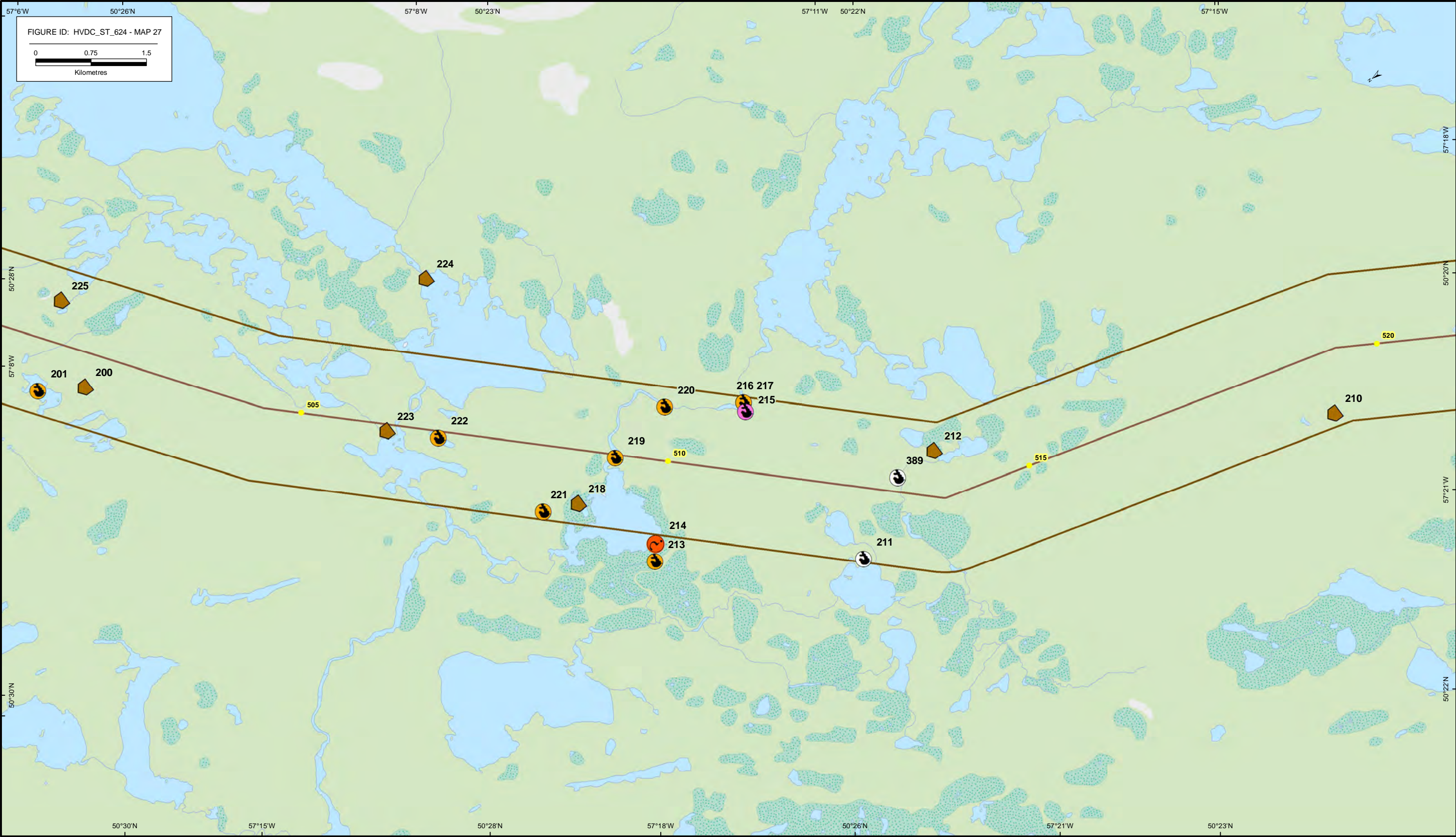
MAP 25 of 56

Labrador Island Transmission Link: Wildlife Surveys 1 - 5



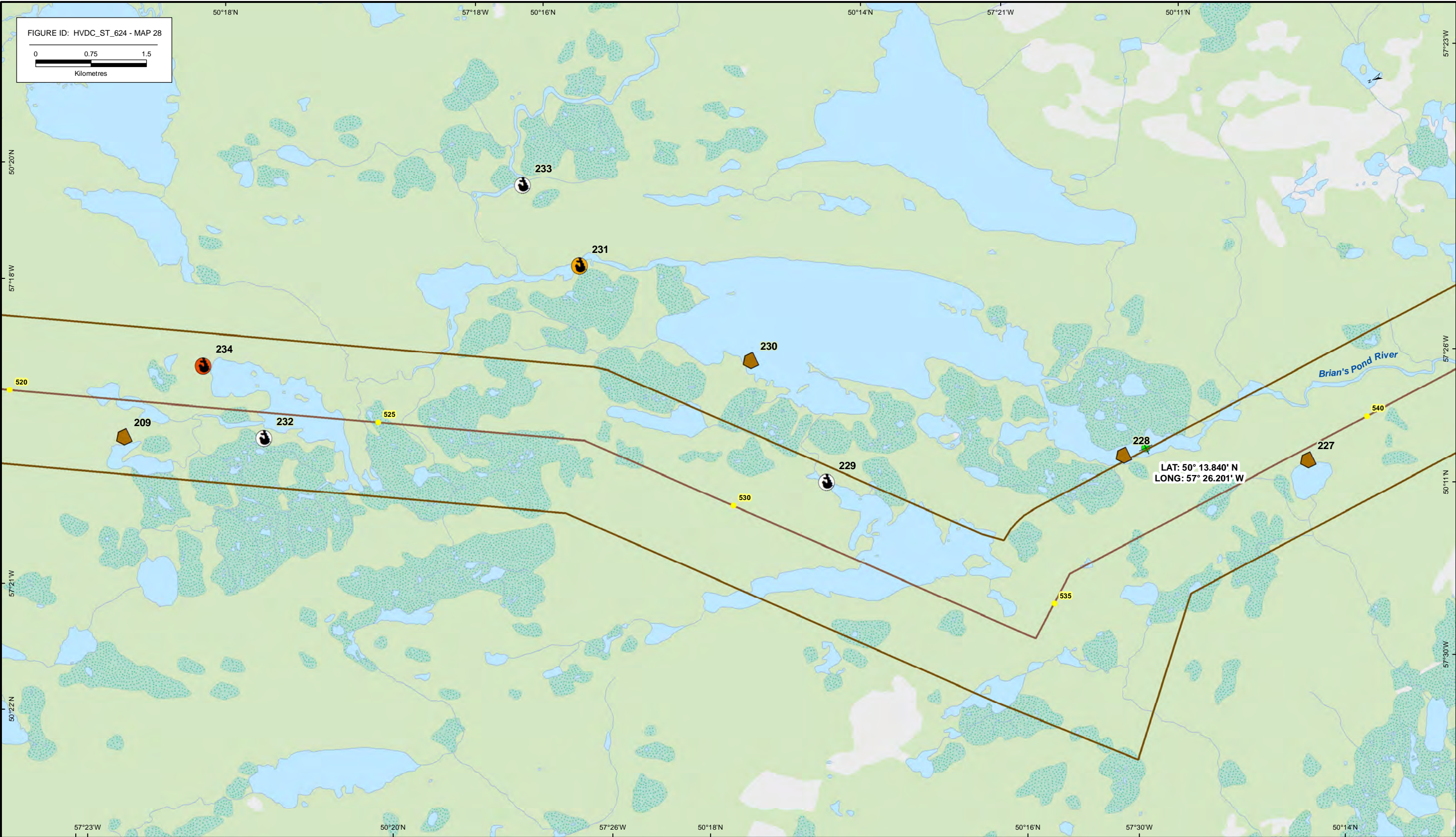
MAP 26 of 56

Labrador Island Transmission Link: Wildlife Surveys 1 - 5



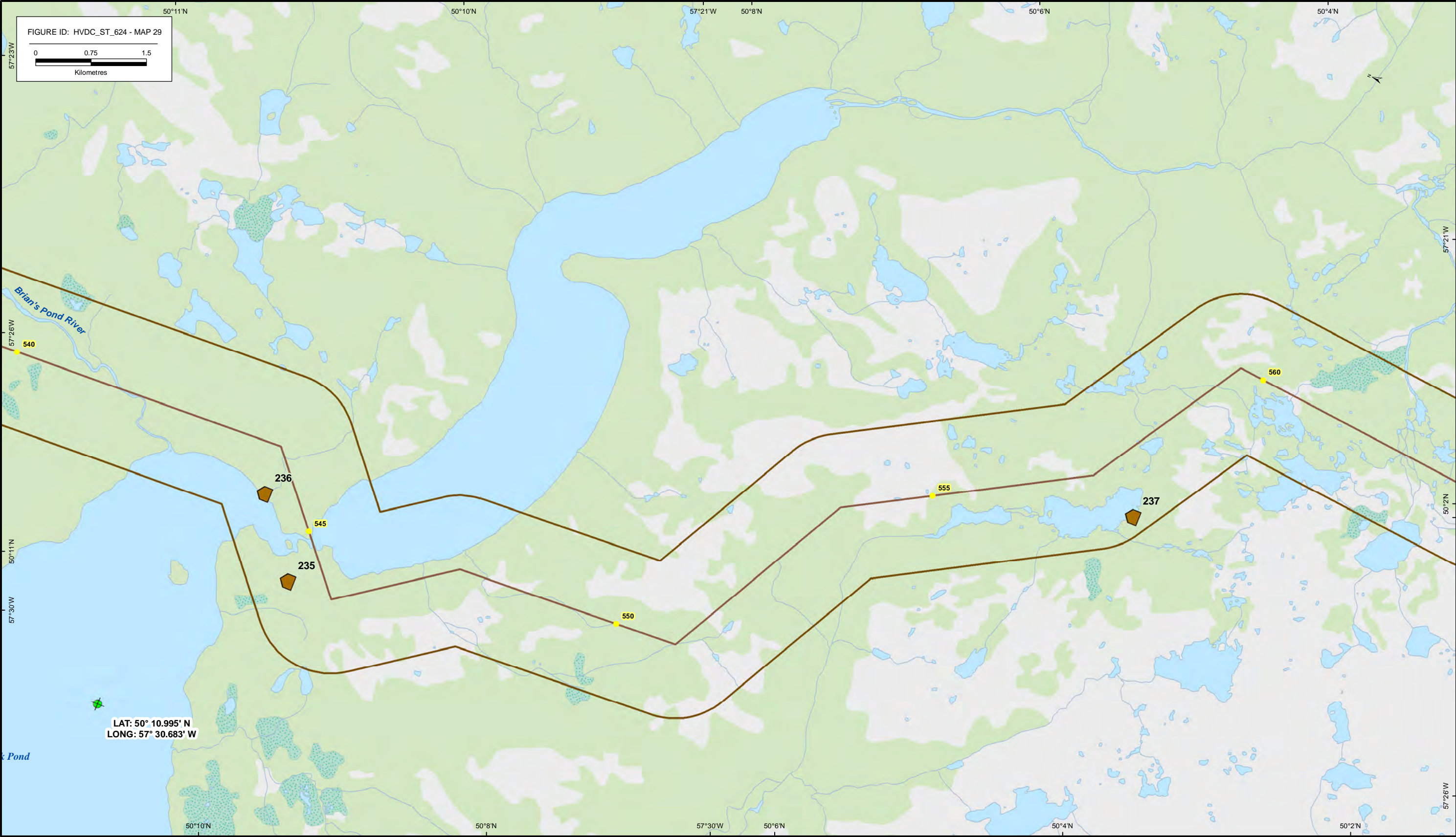
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Labrador Island Transmission Link: Wildlife Surveys 1 - 5



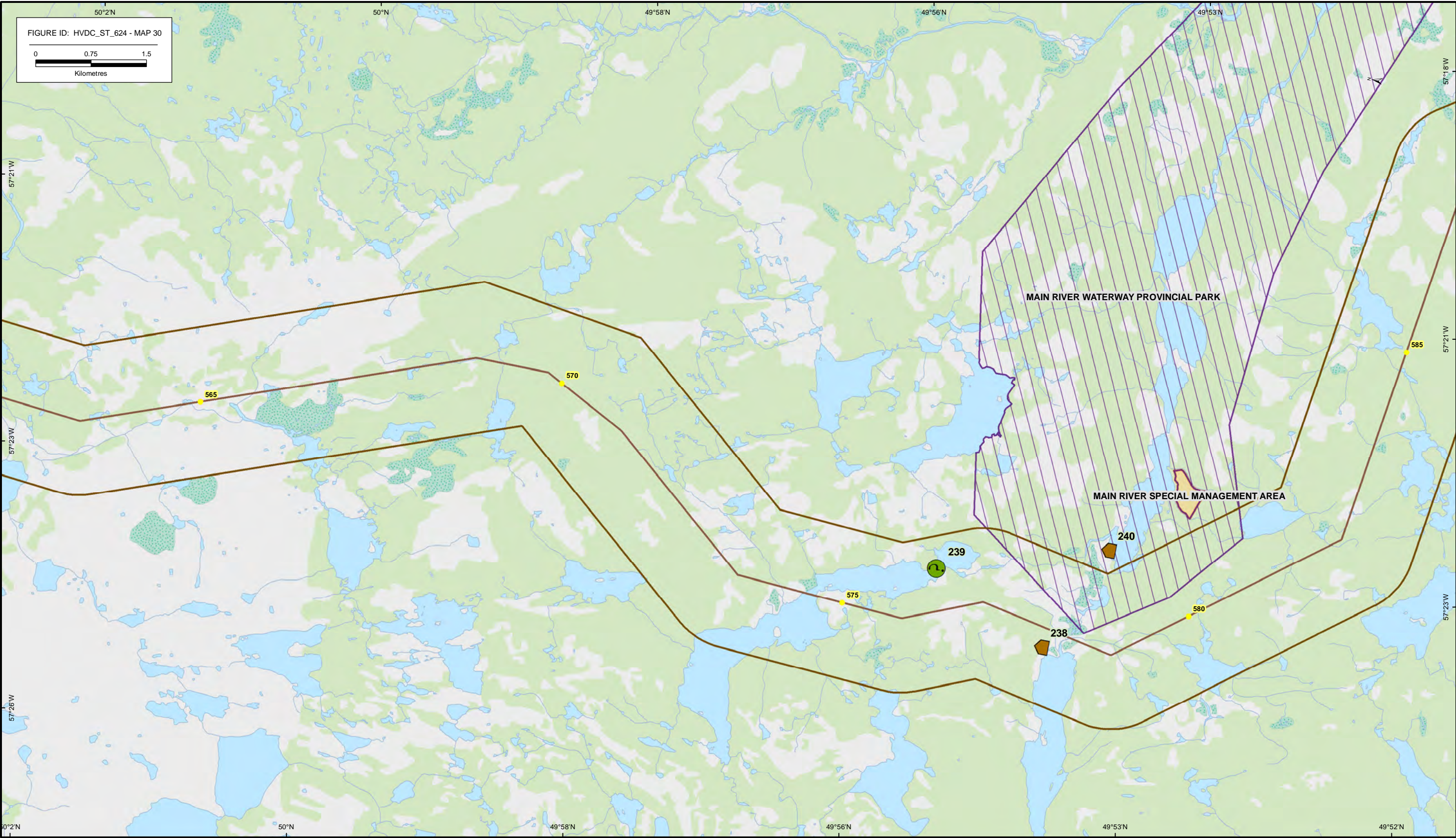
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Labrador Island Transmission Link: Wildlife Surveys 1 - 5



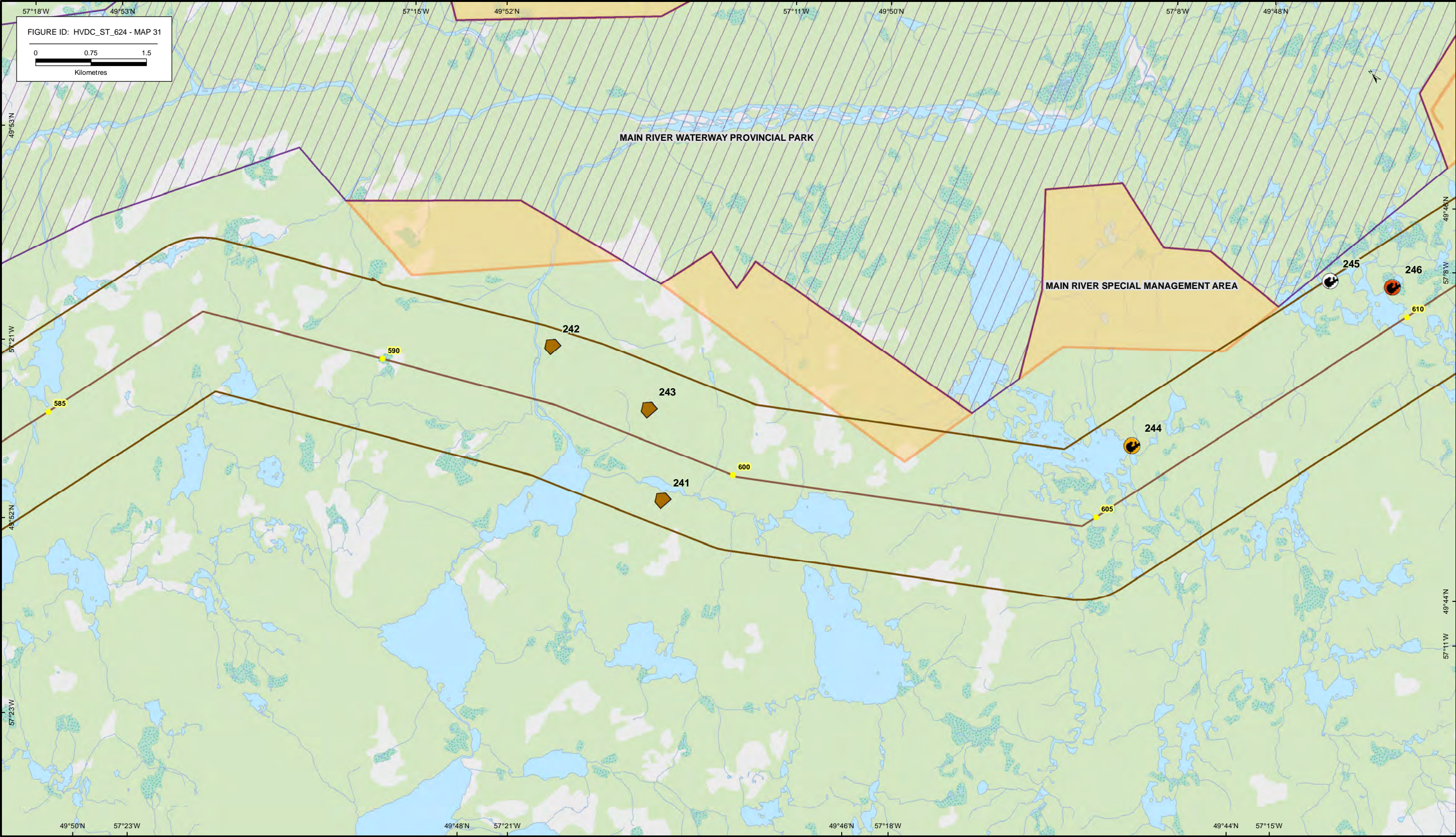
MAP 29 of 56

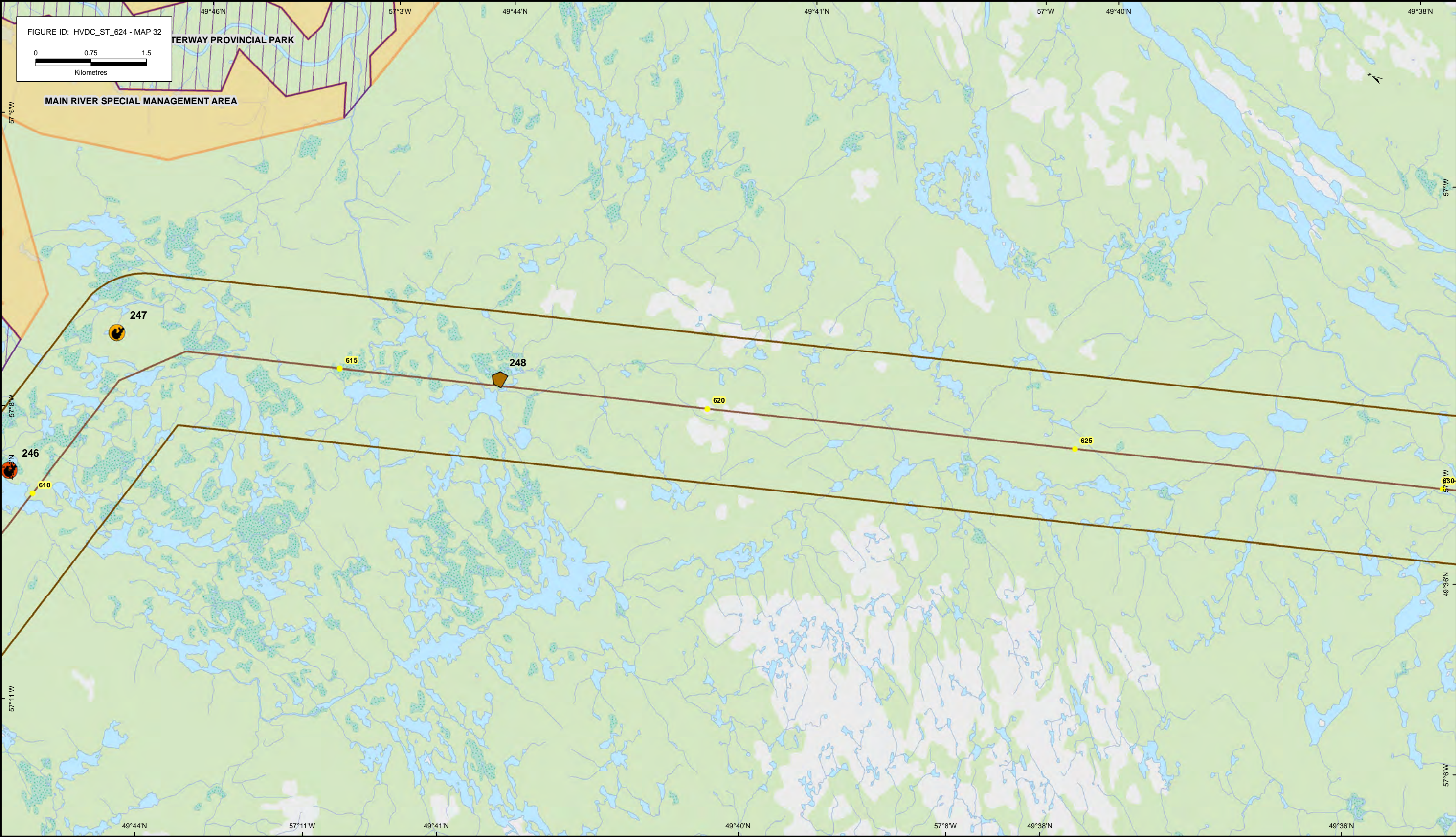
Labrador Island Transmission Link: Wildlife Surveys 1 - 5



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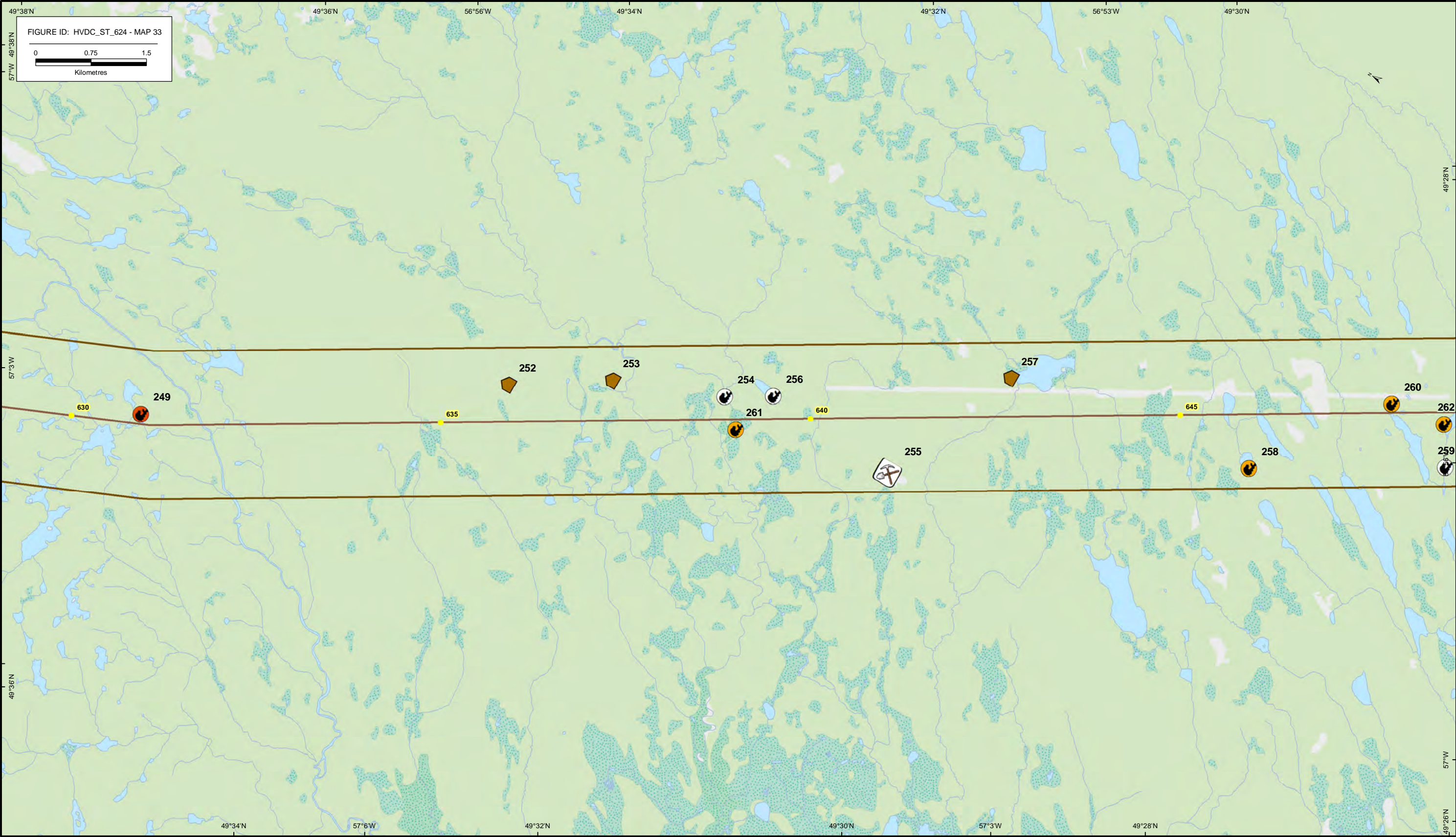
Labrador Island Transmission Link: Wildlife Surveys 1 - 5





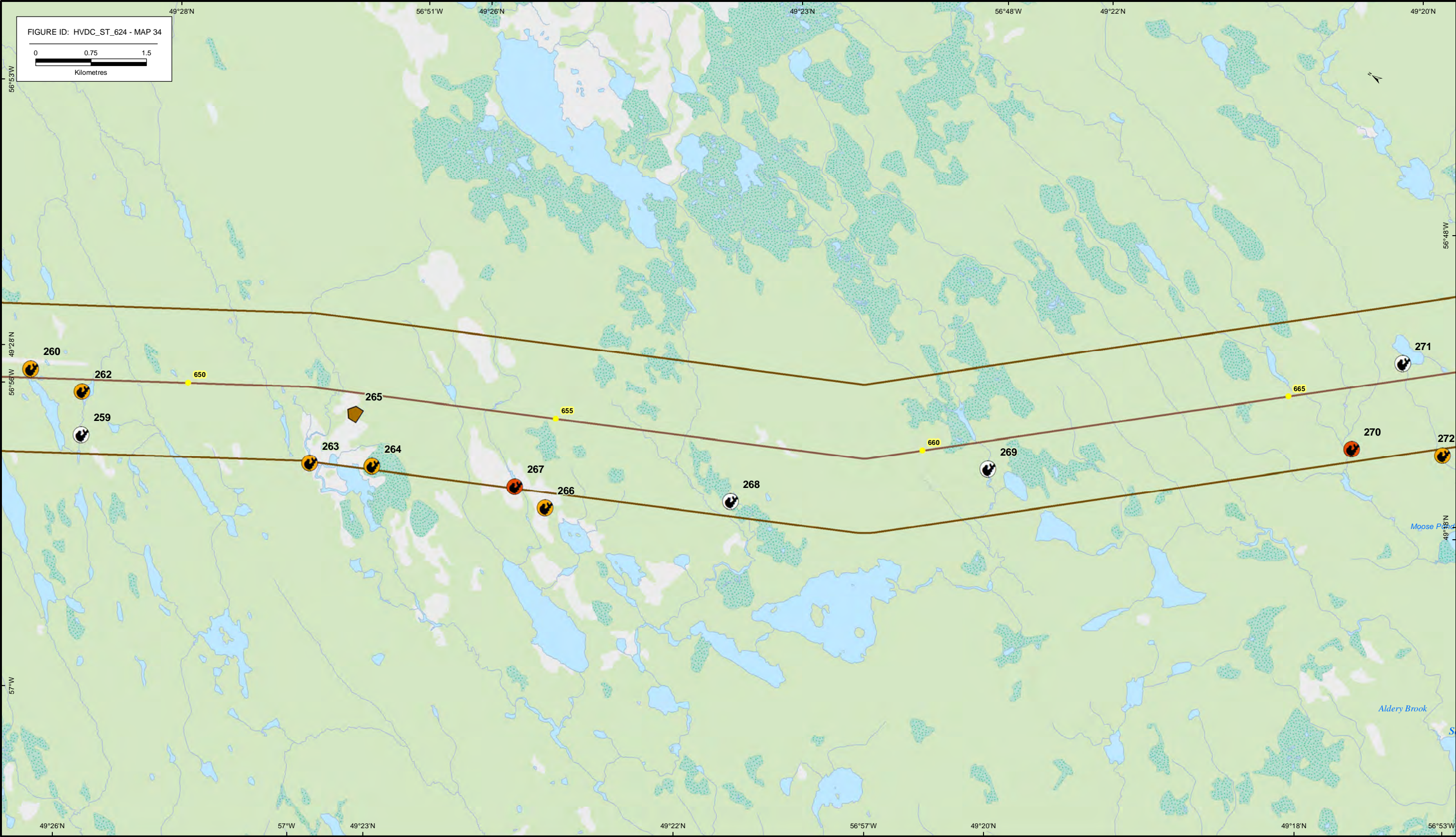
MAP 32 of 56

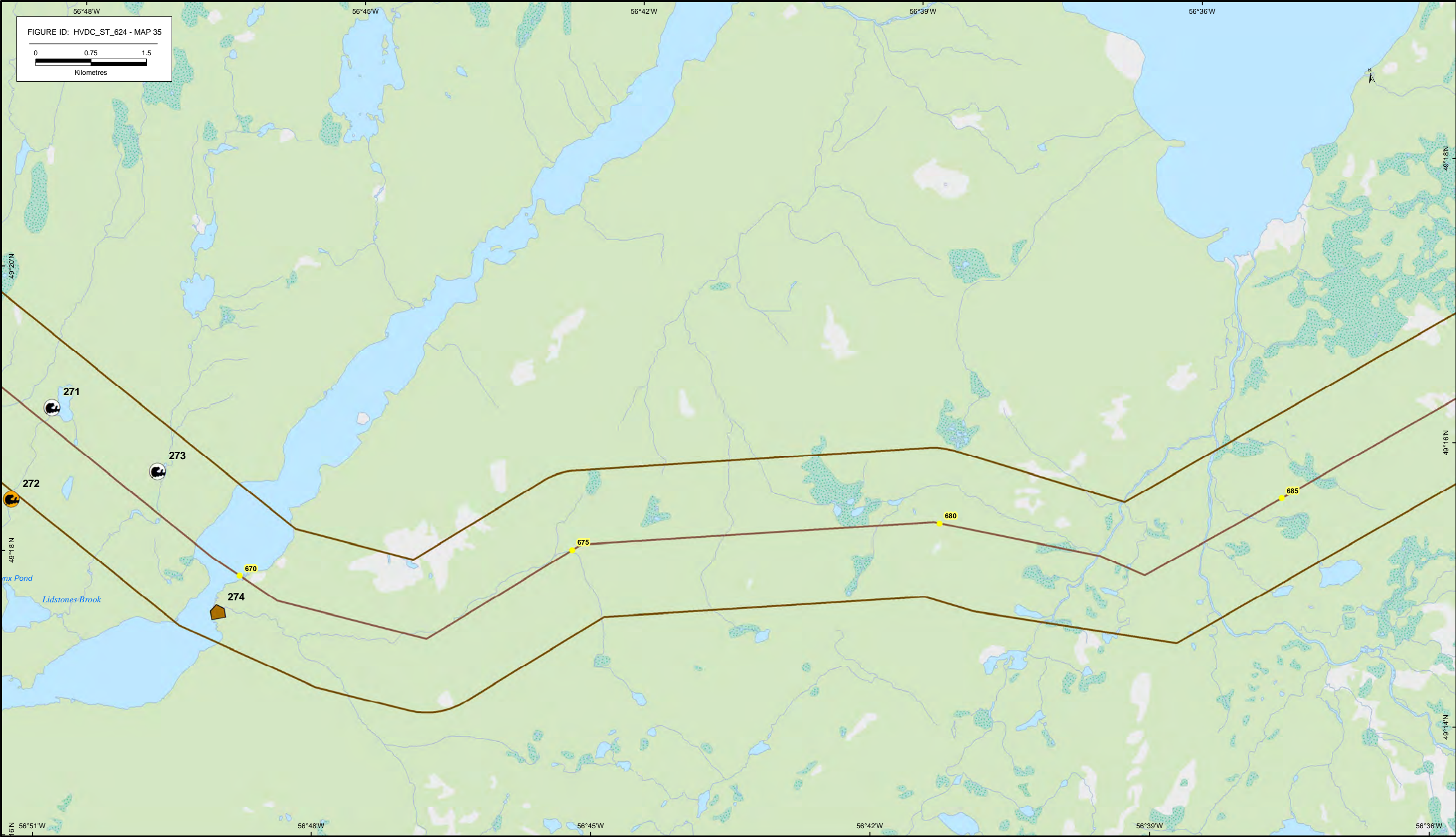
Labrador Island Transmission Link: Wildlife Surveys 1 - 5



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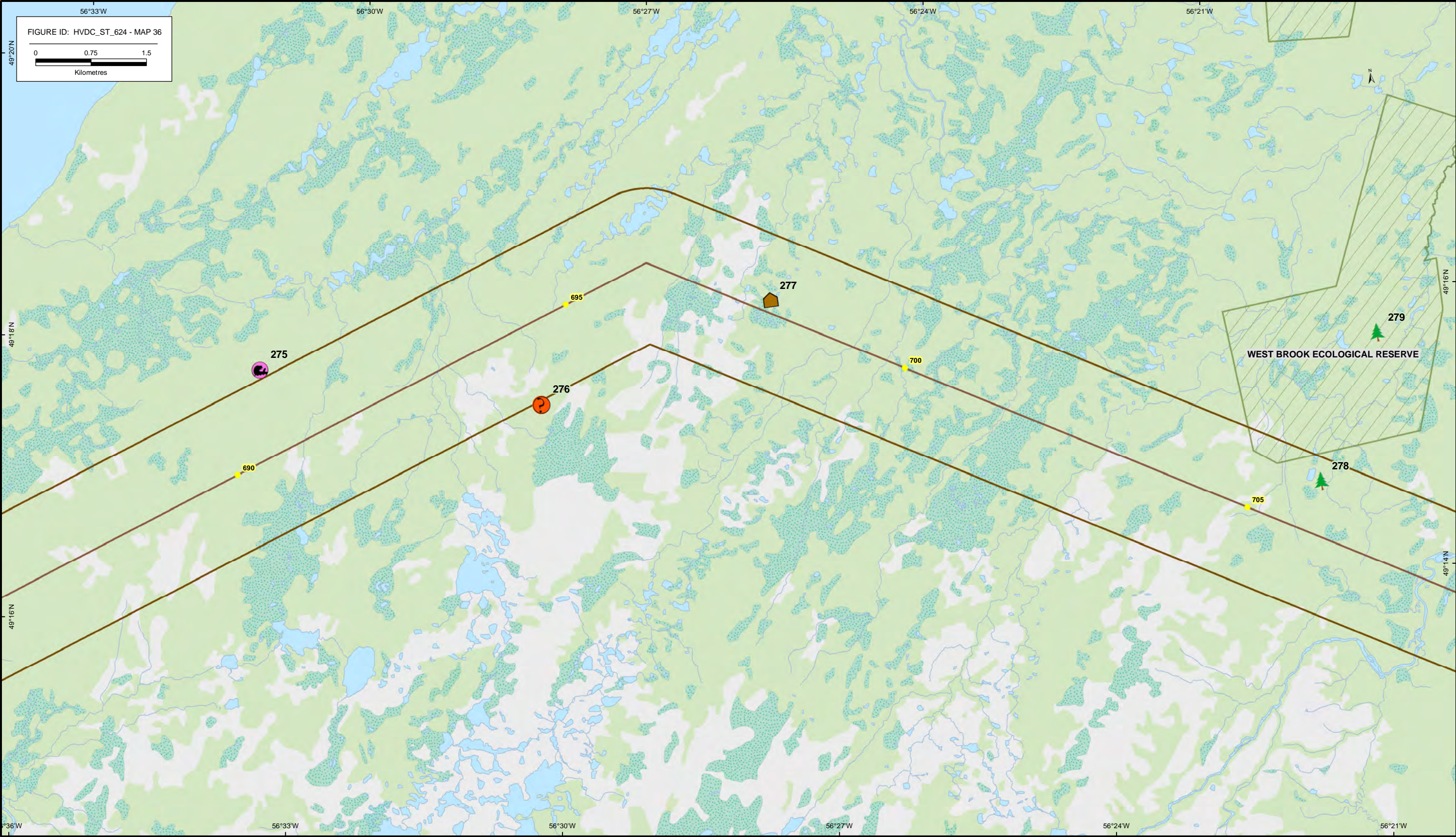
Labrador Island Transmission Link: Wildlife Surveys 1 - 5





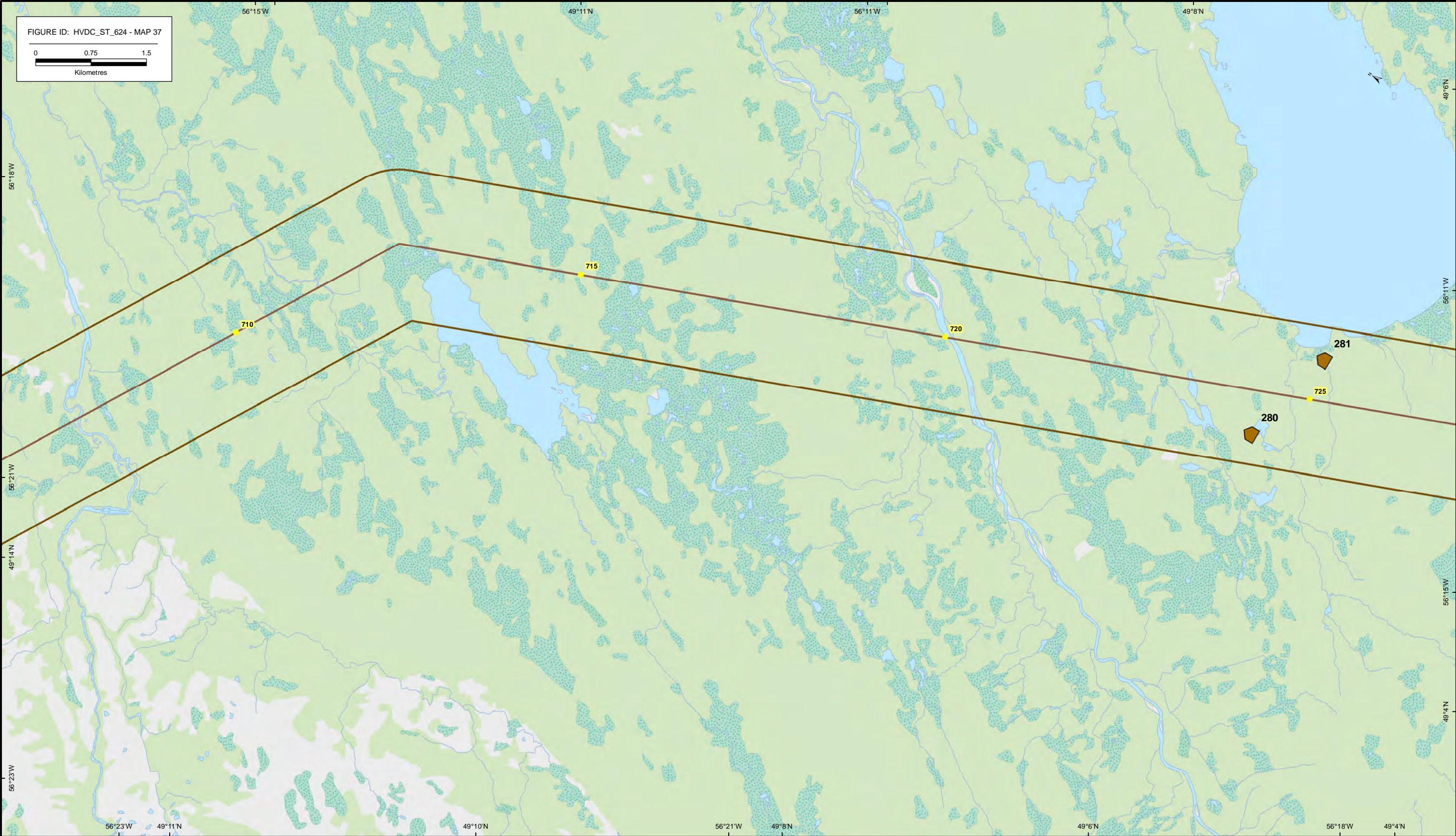
MAP 35 of 56

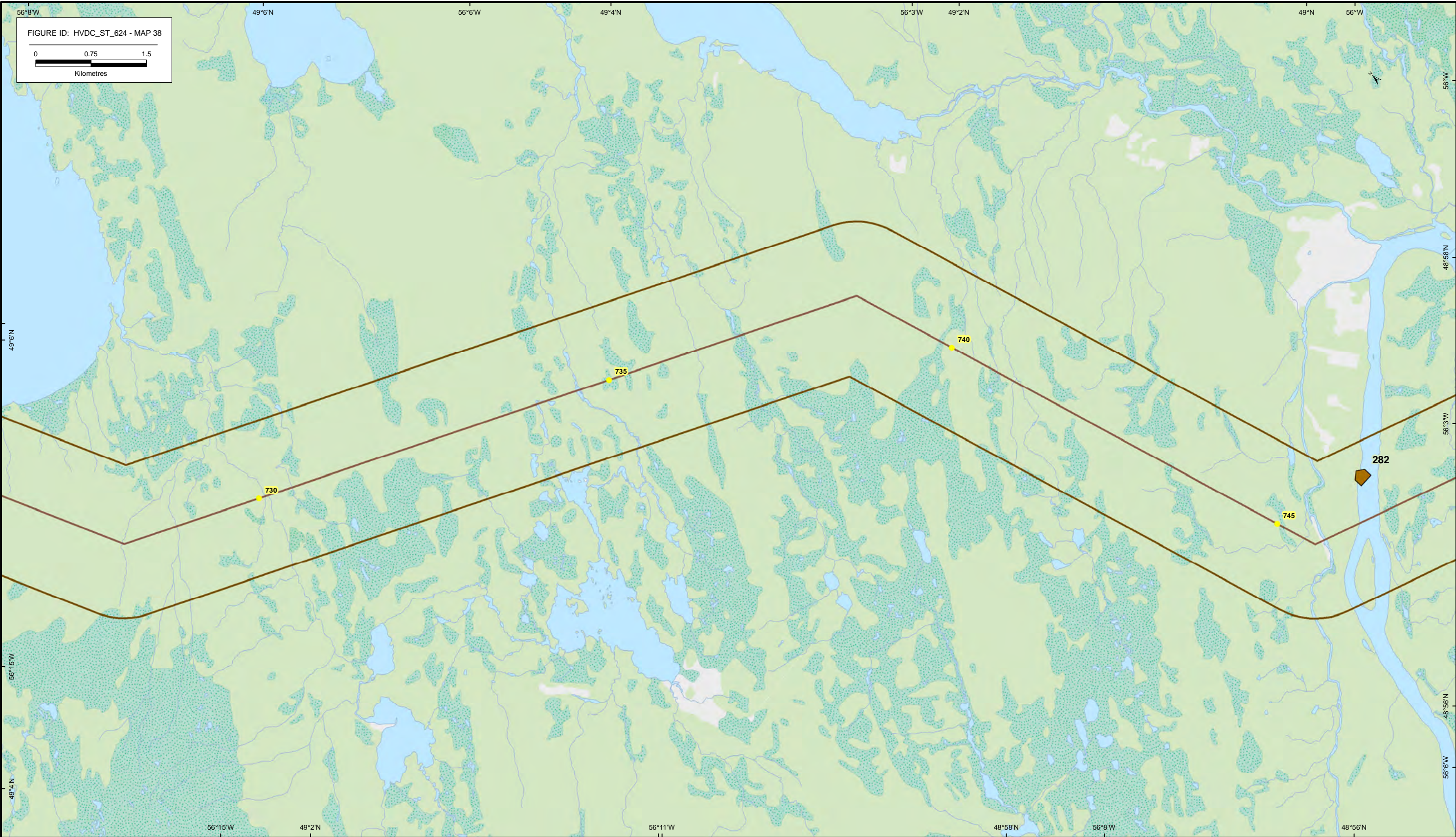
Labrador Island Transmission Link: Wildlife Surveys 1 - 5



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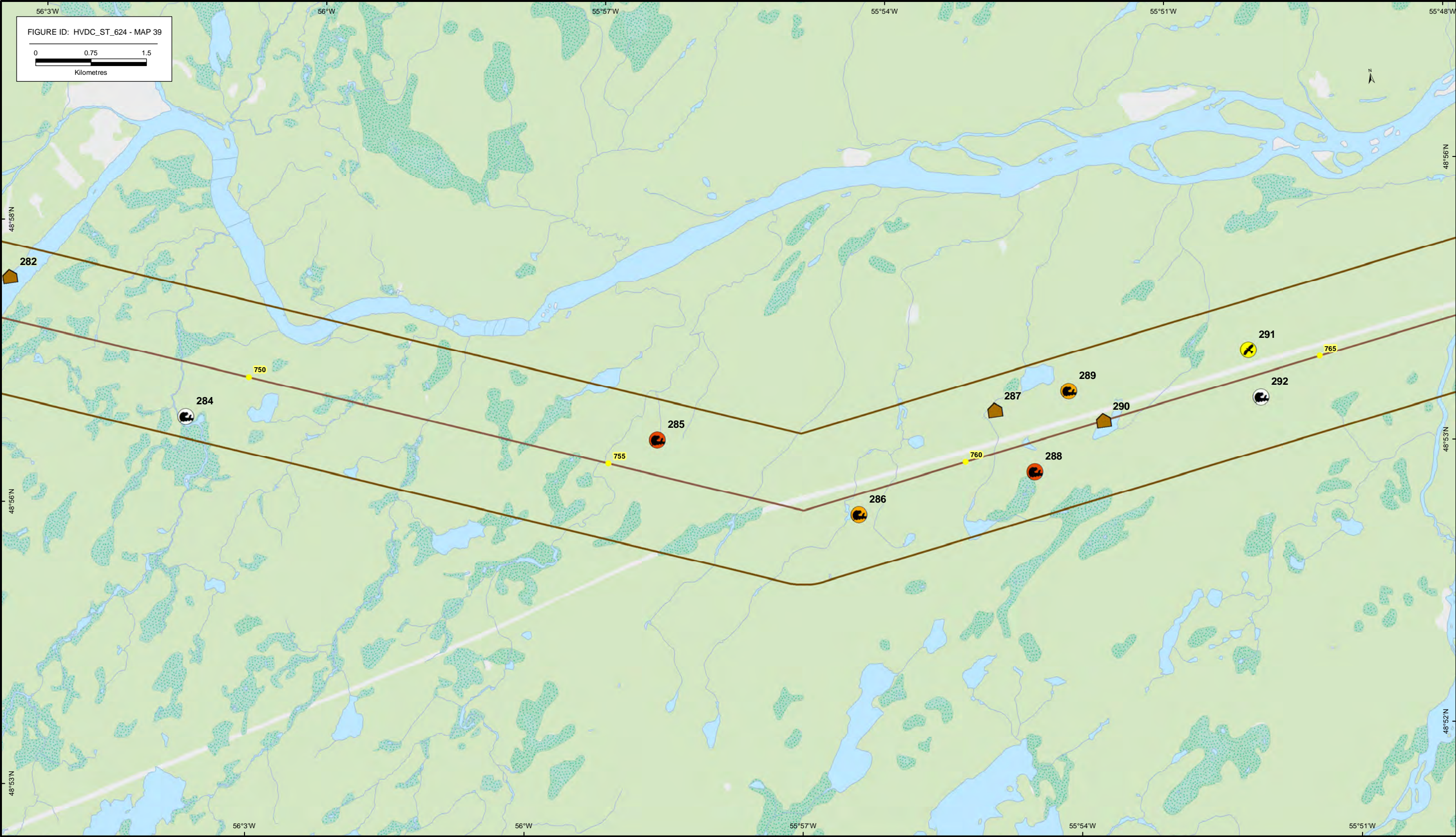
Labrador Island Transmission Link: Wildlife Surveys 1 - 5

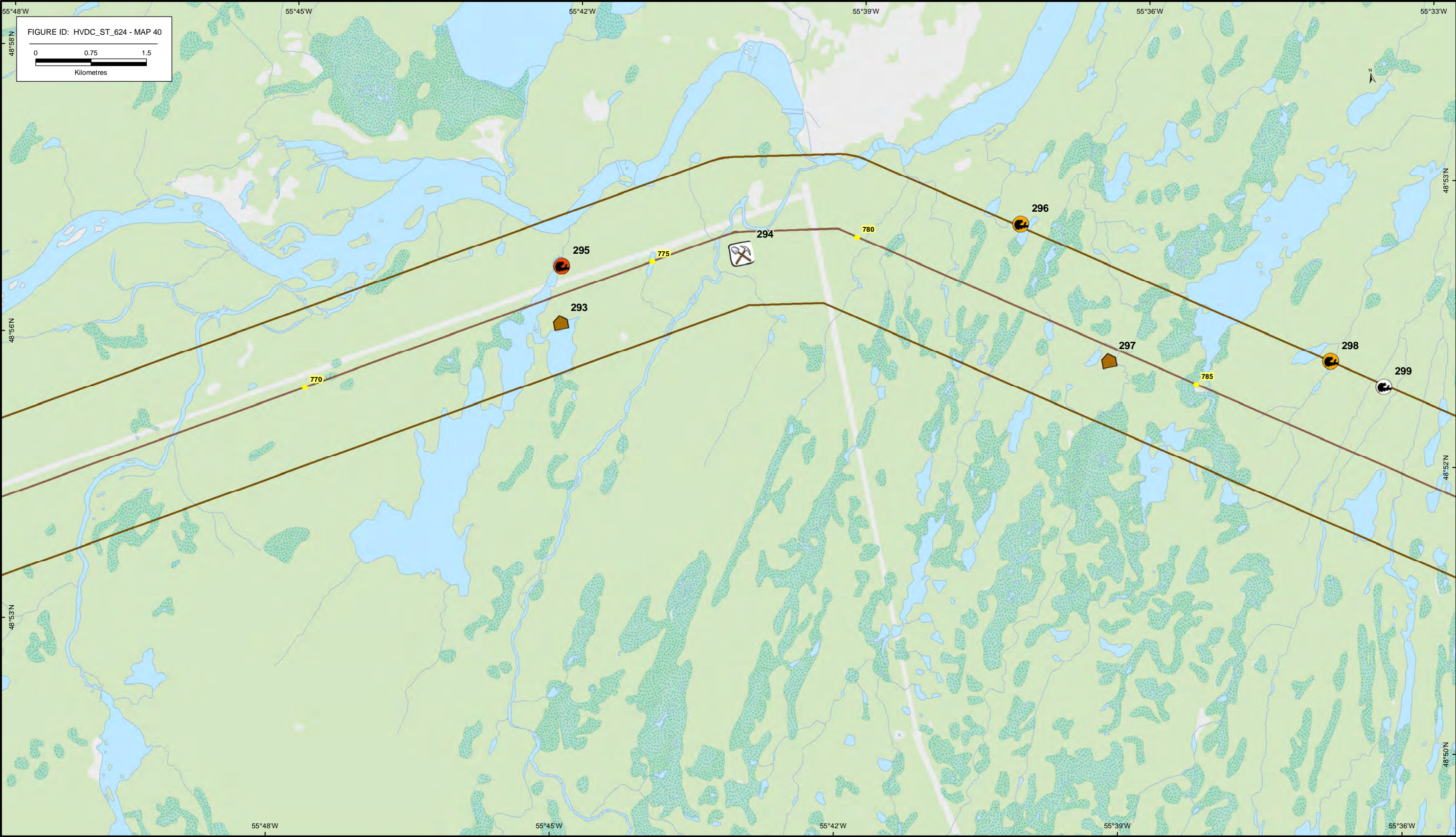


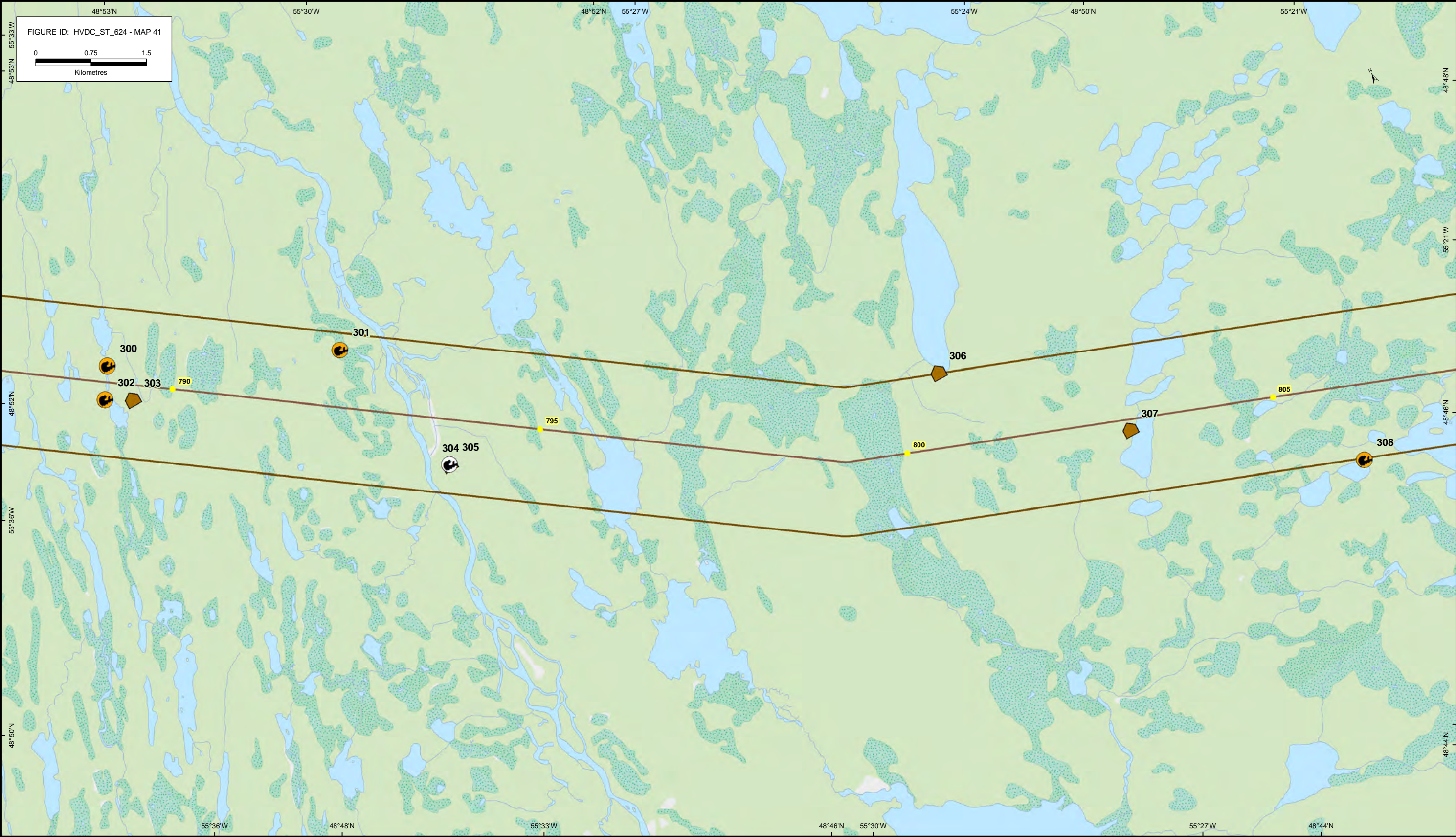


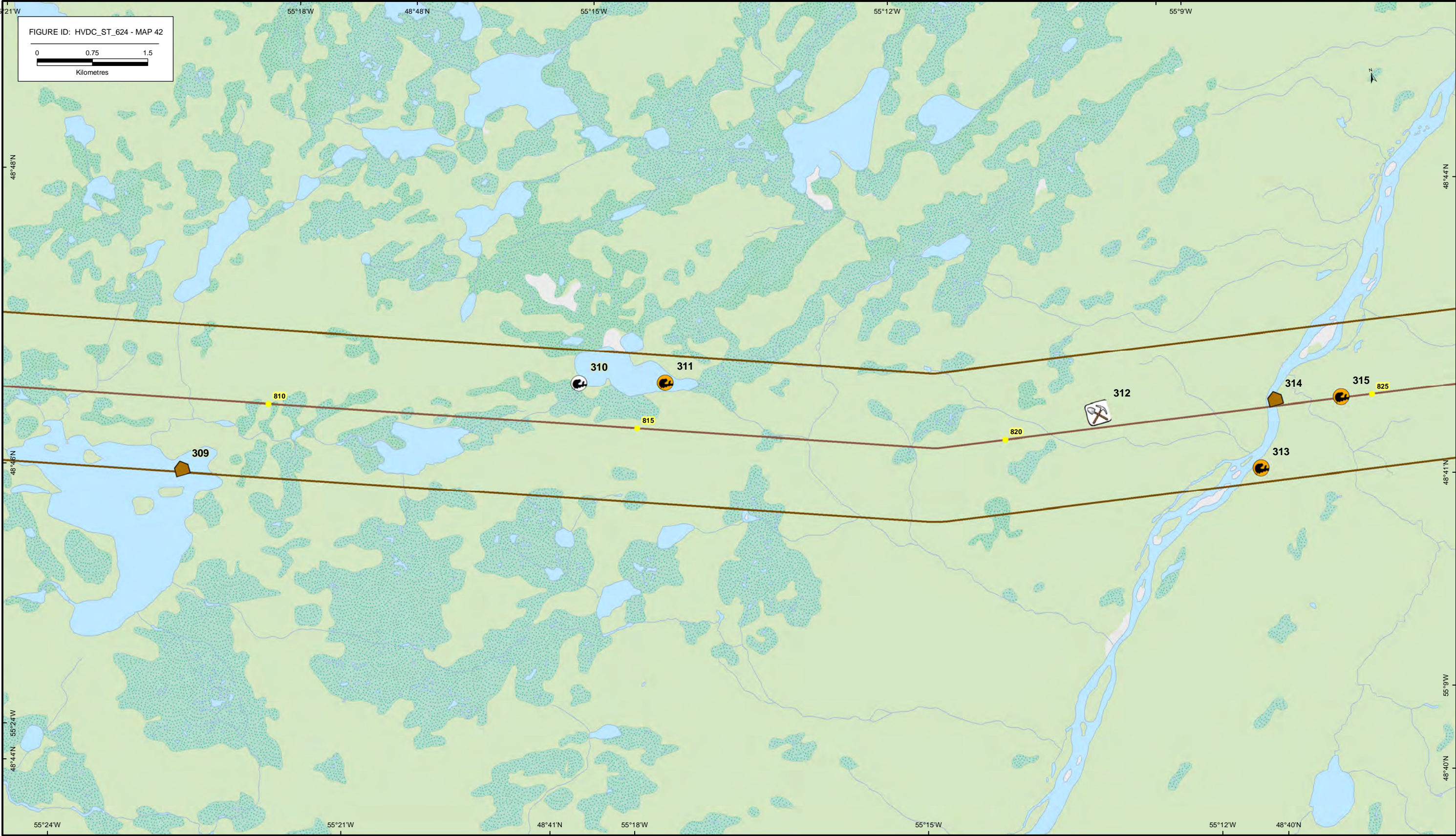
MAP 38 of 56

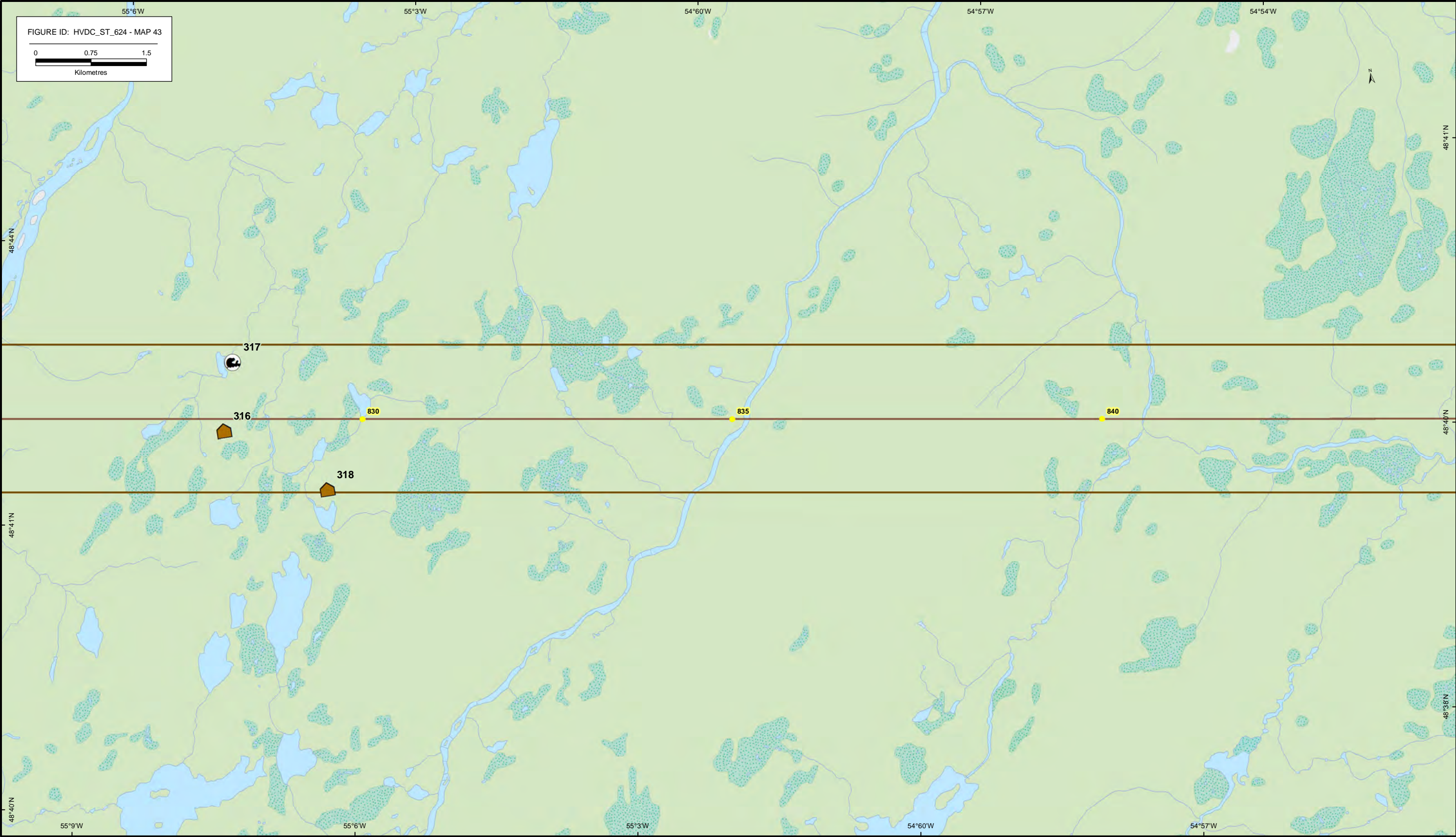
Labrador Island Transmission Link: Wildlife Surveys 1 - 5





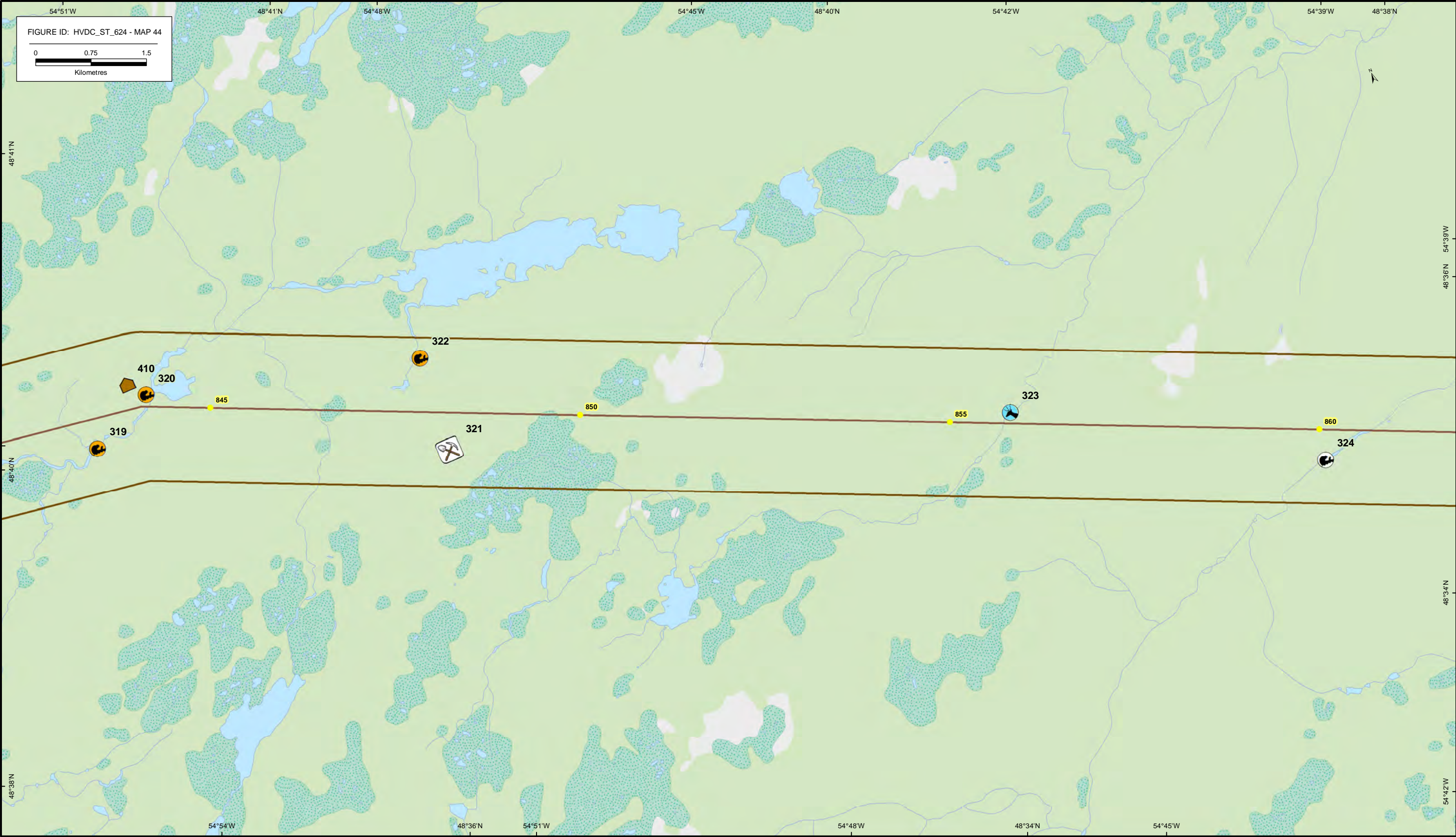






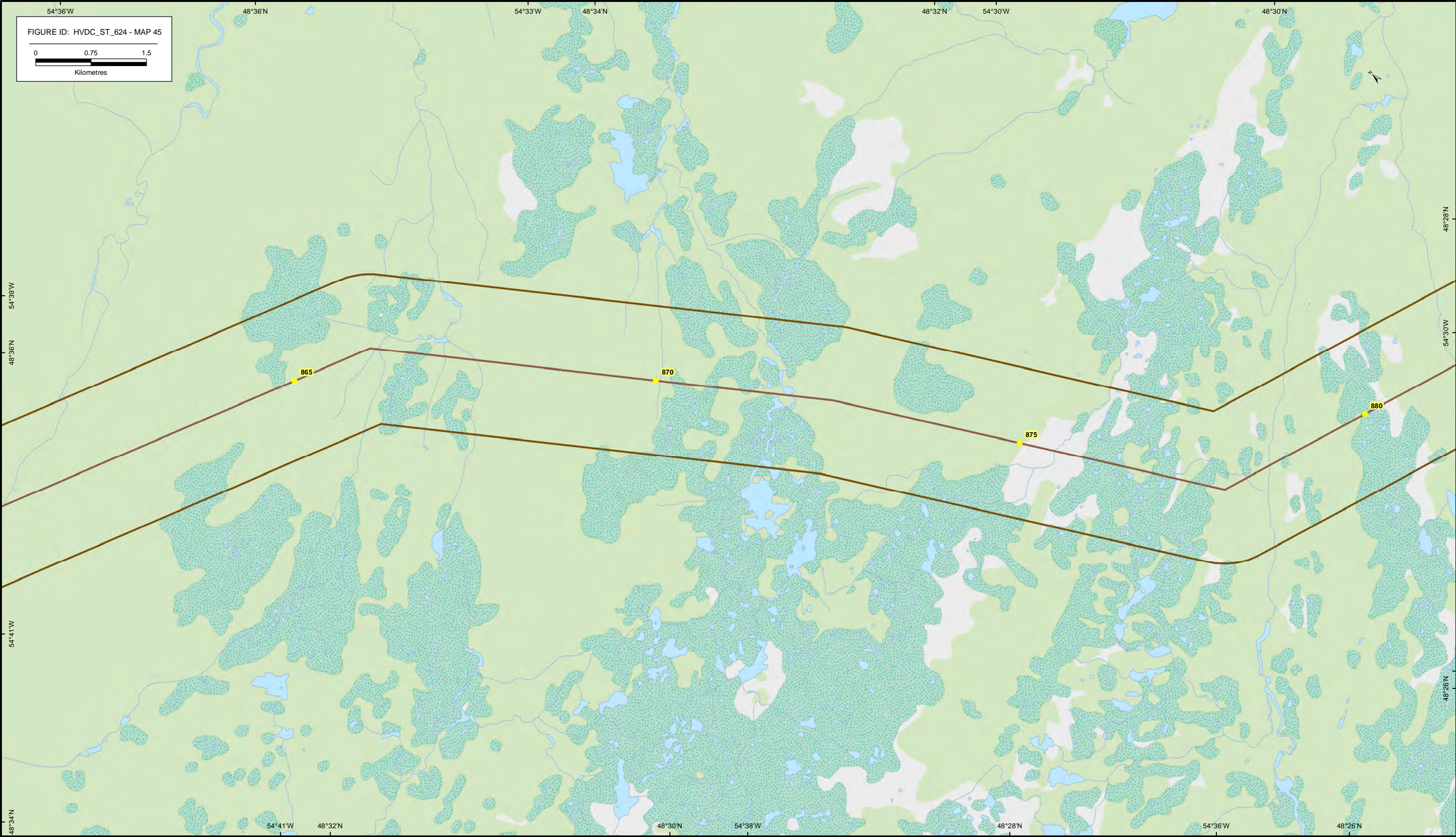
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Labrador Island Transmission Link: Wildlife Surveys 1 - 5



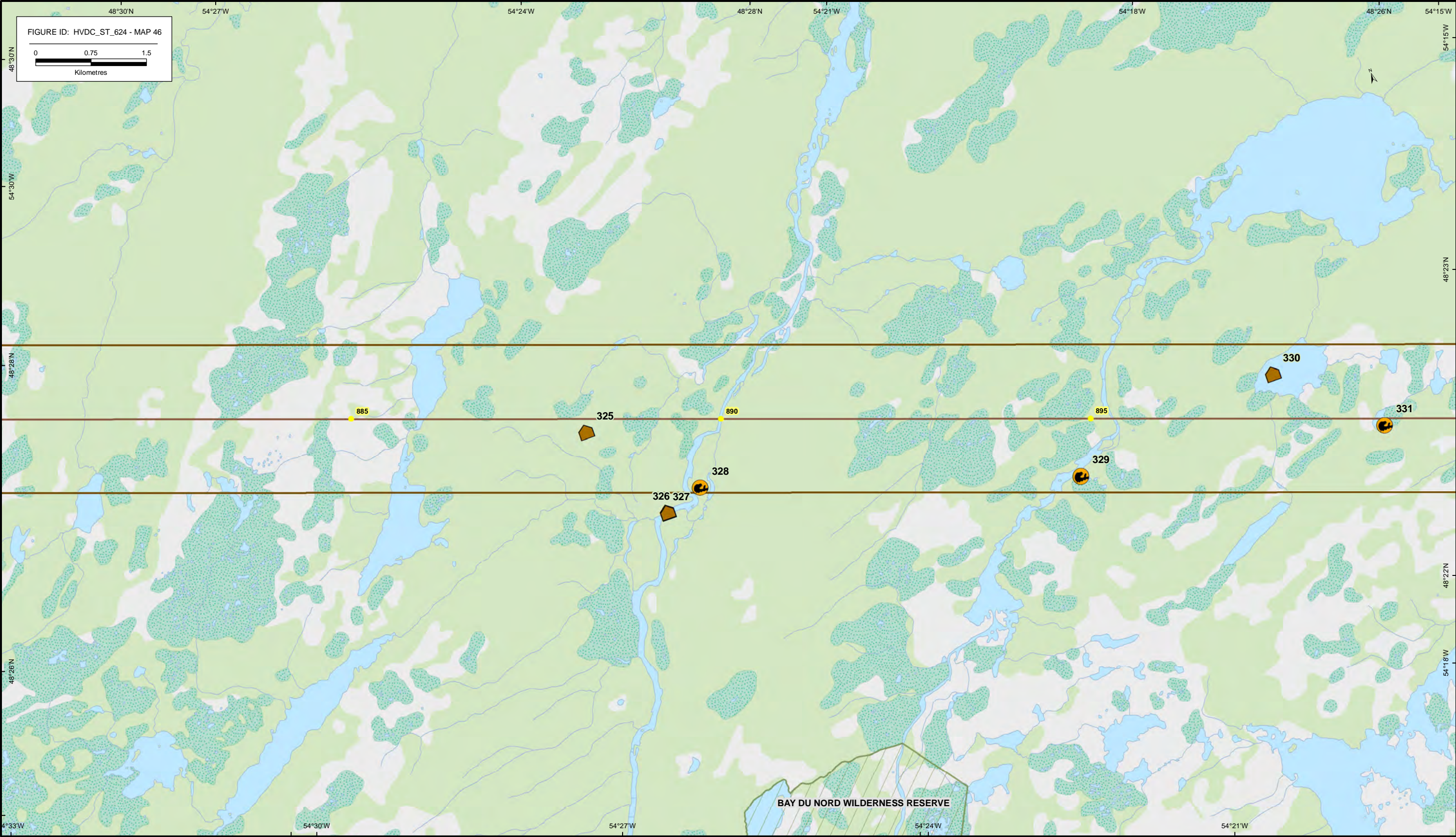
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Labrador Island Transmission Link: Wildlife Surveys 1 - 5



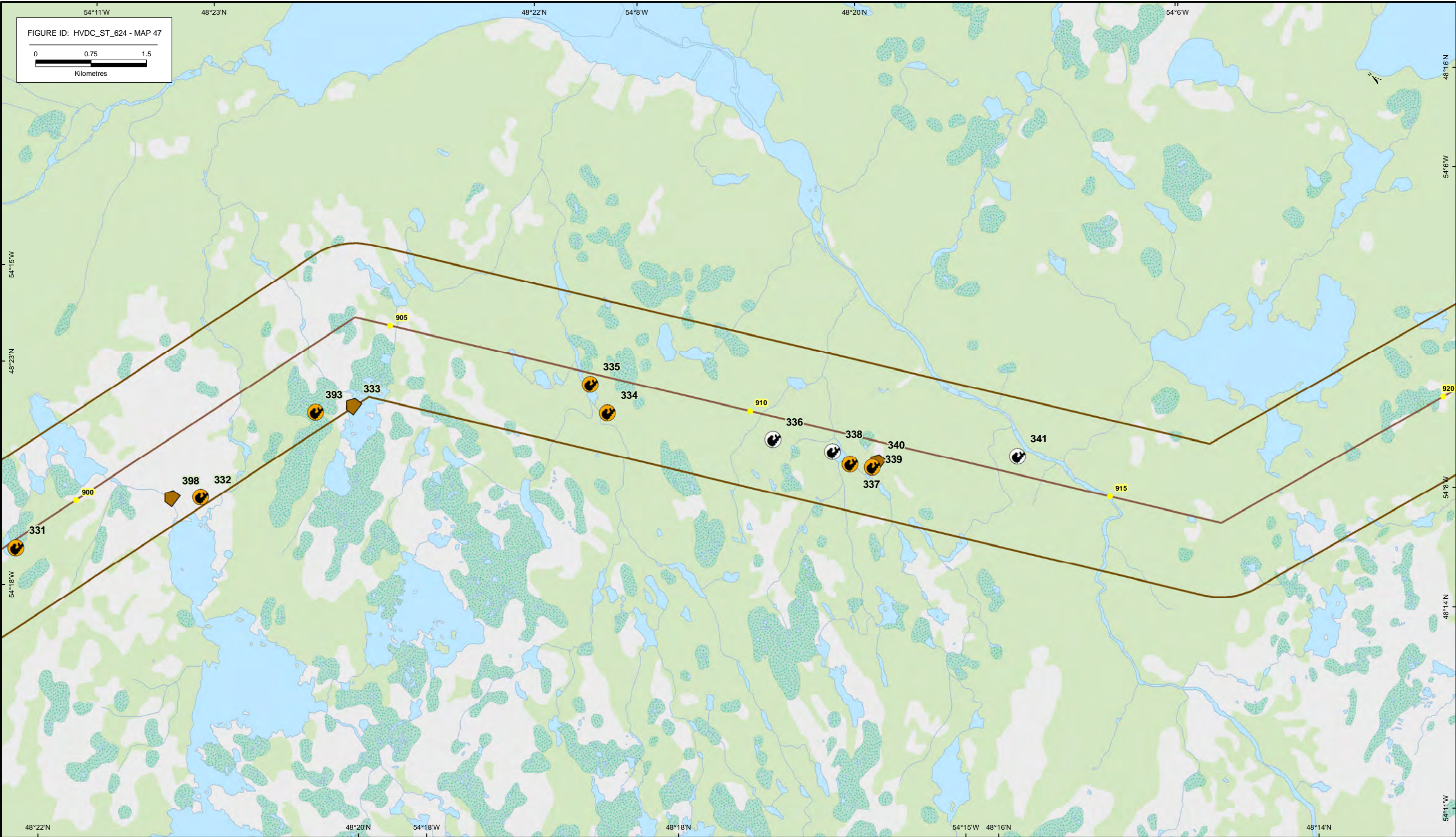
MAP 45 of 56

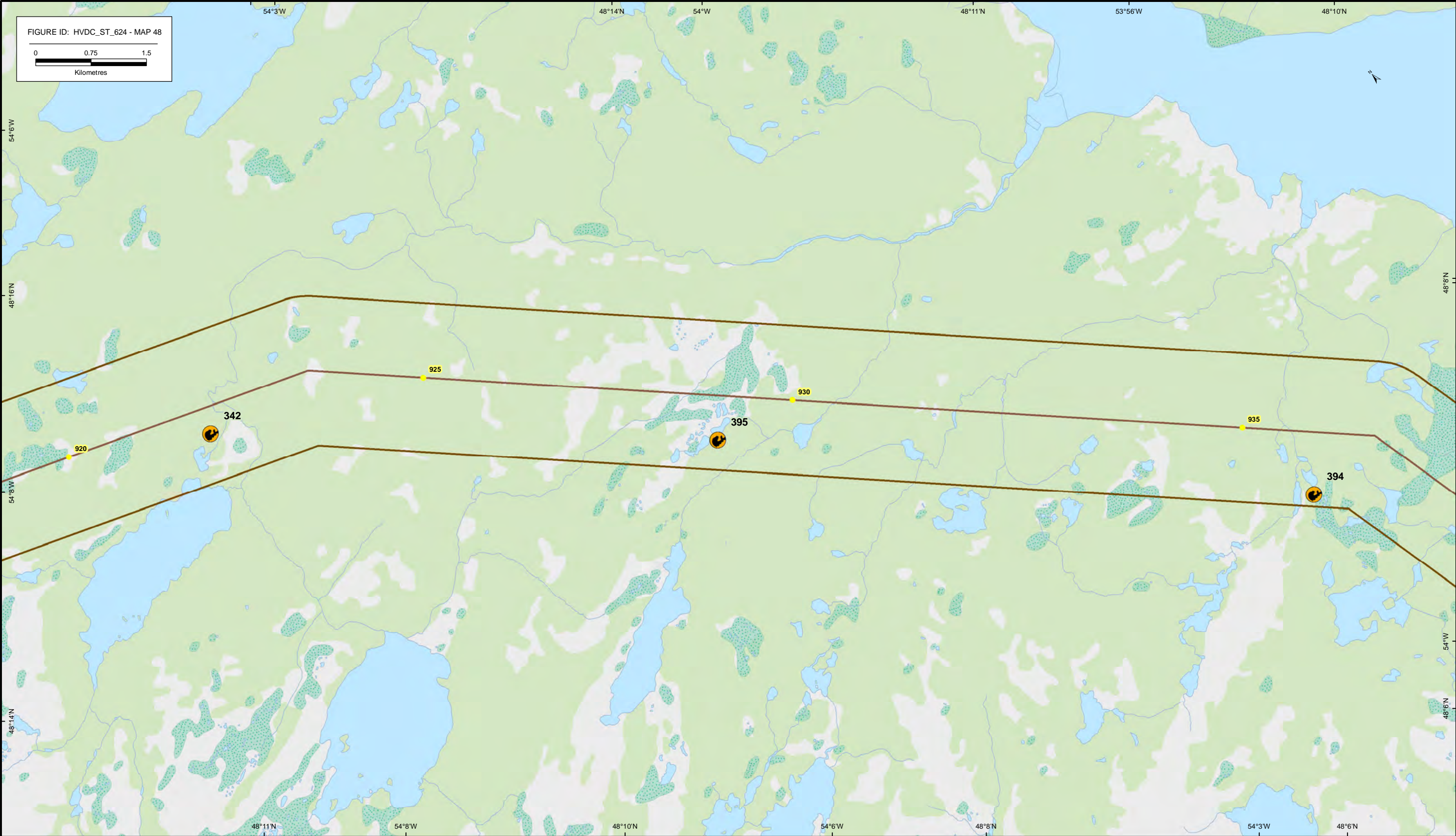
Labrador Island Transmission Link: Wildlife Surveys 1 - 5



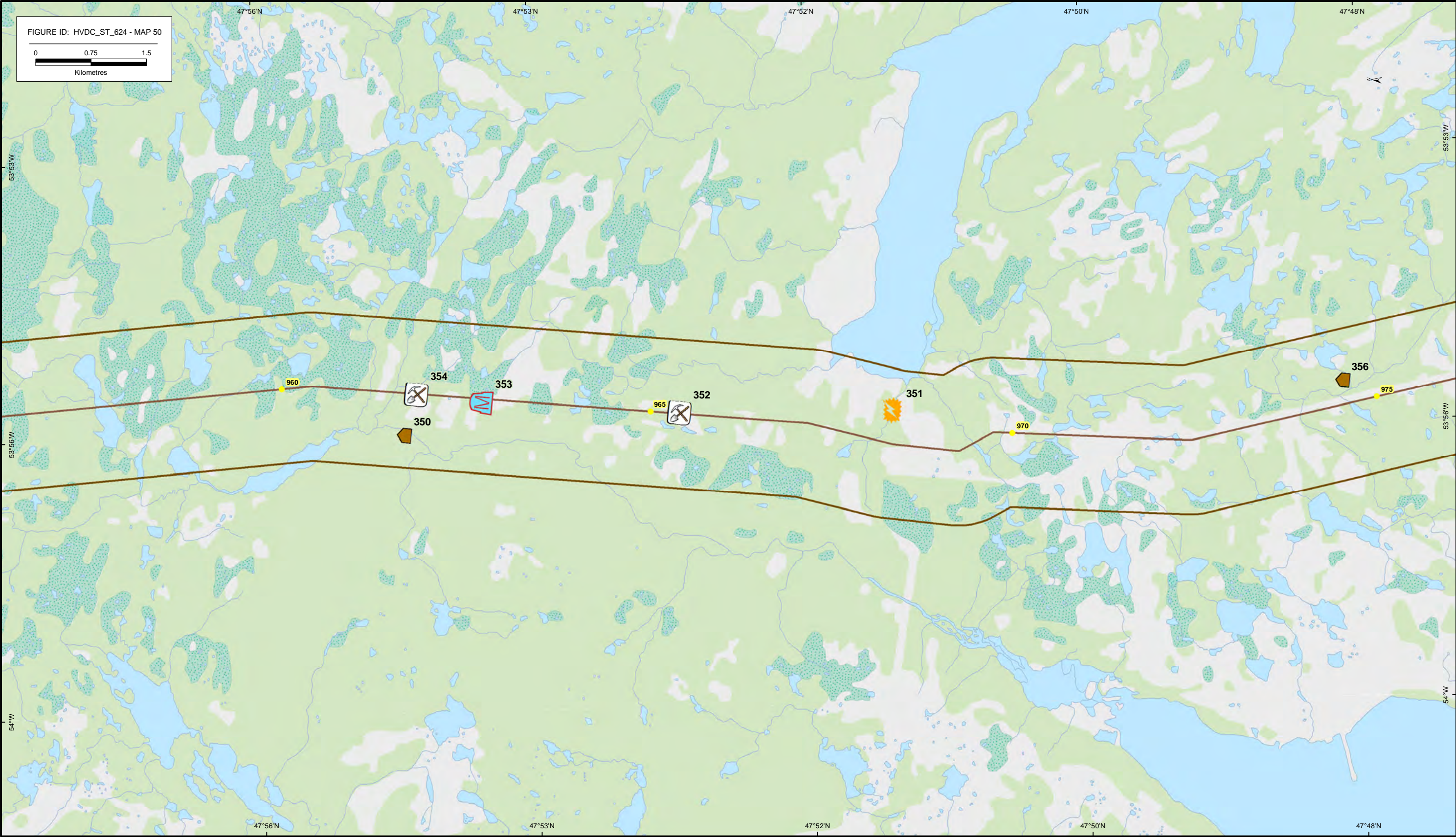
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Labrador Island Transmission Link: Wildlife Surveys 1 - 5



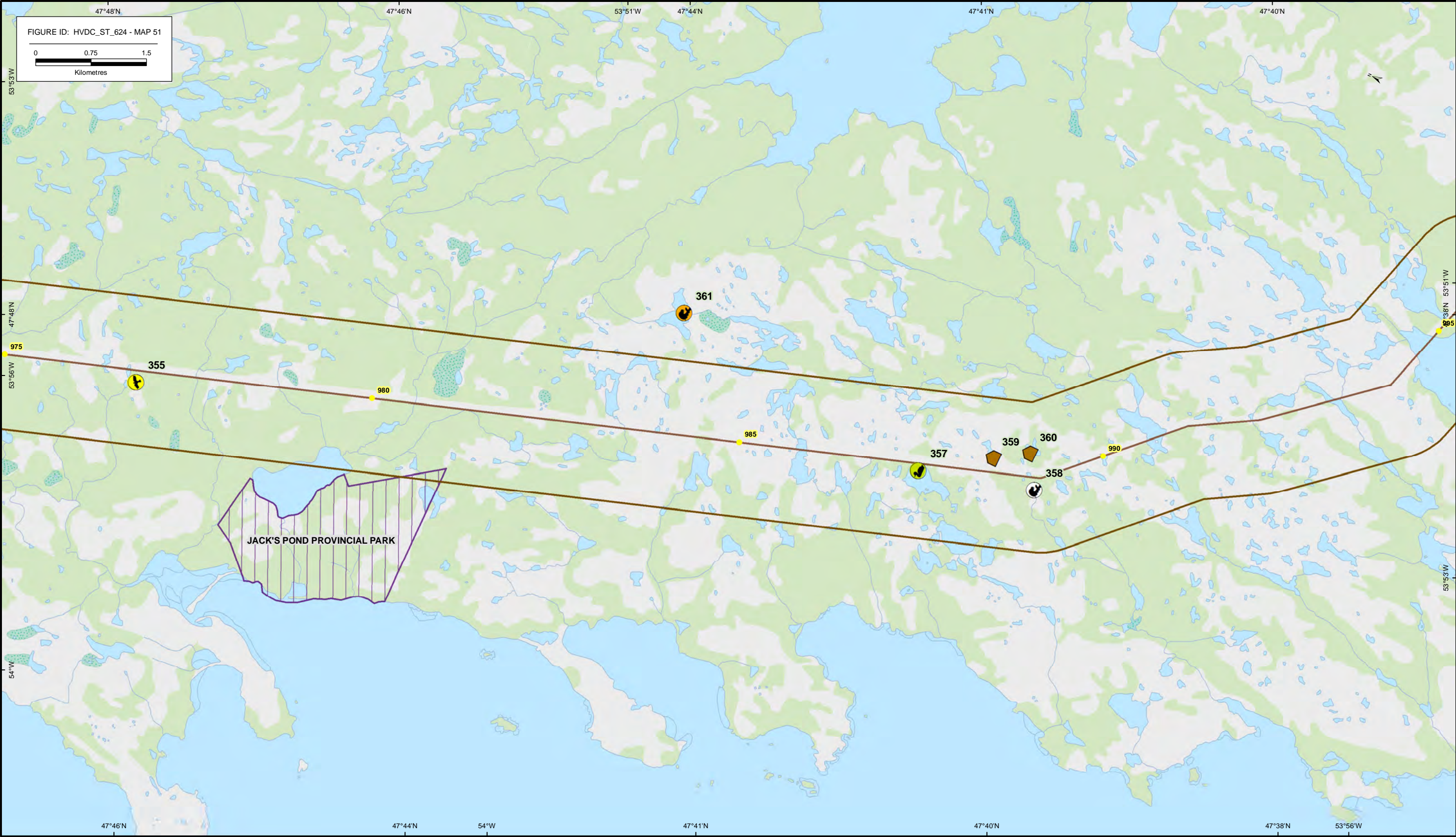


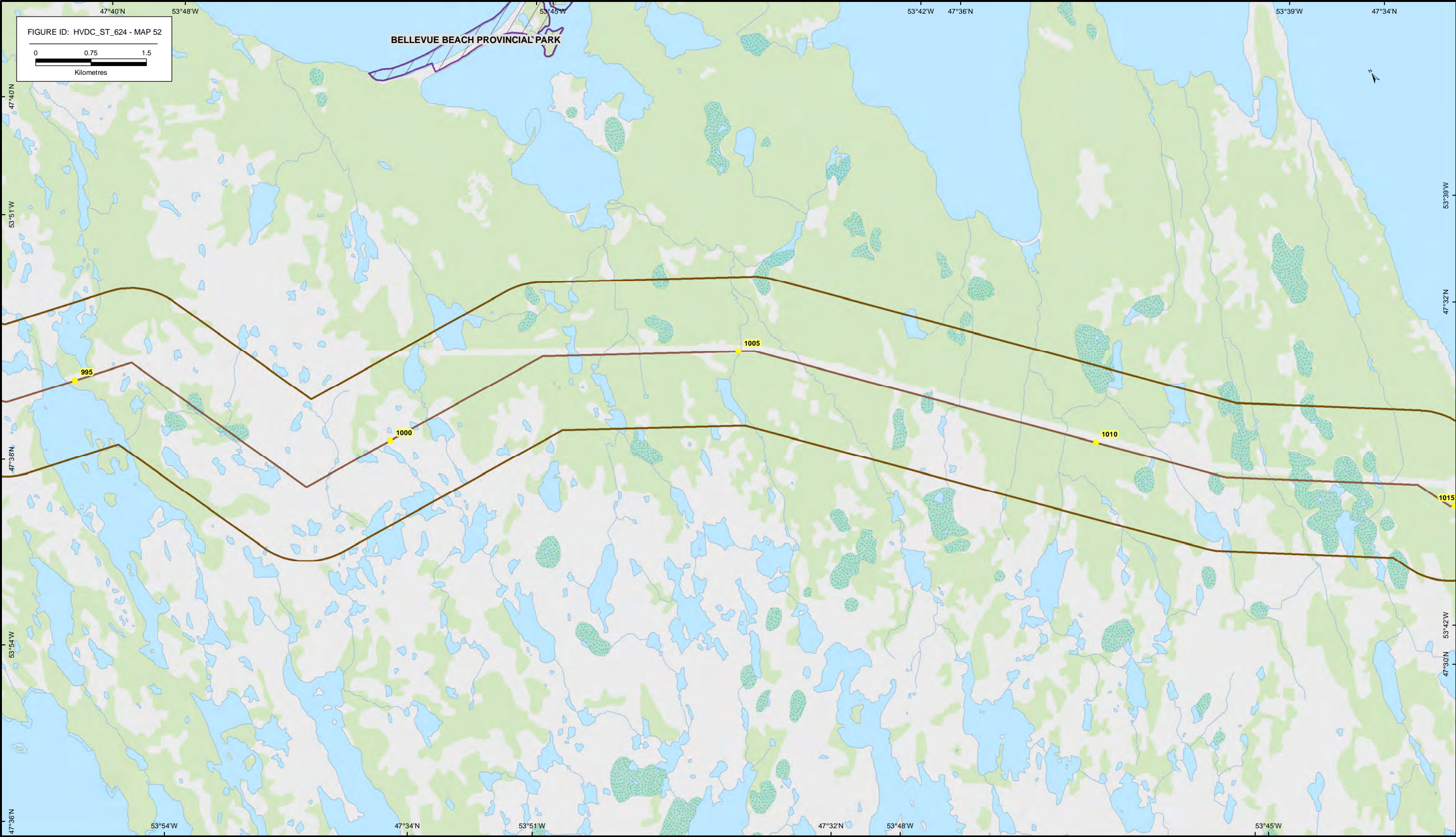




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Labrador Island Transmission Link: Wildlife Surveys 1 - 5





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Labrador Island Transmission Link: Wildlife Surveys 1 - 5

