

Energy East Pipeline Project

Project Description Volume 2

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The Secretary
National Energy Board
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1.0 INTRODUCTION

Energy East proposes to construct and operate a 4,500 km oil pipeline system from Hardisty, AB to Saint John, NB to transport crude oil from Hardisty, AB and Moosomin, SK to receipt points in QC and NB (Energy East Project or the Project). The receipt points will include three existing refineries in Eastern Canada and two marine terminals that will allow for the export of crude oil to international markets.

At the request of Energy East, Stantec Consulting Ltd. (Stantec) and Groupe Conseil UDA Inc. (UDA) have been engaged to prepare an environmental and socio-economic assessment for the Project.

The environmental assessment will be completed using a combination of information gathered through desktop data reviews and field studies, and where appropriate, modelling to describe the Project effects on biophysical resources.

Socio-economic effects will also be assessed as part of the ESA, using a combination of baseline data collection and technical discussions with select local and regional infrastructure and service providers (e.g., accommodation, emergency, health). The baseline data collection (via desktop research) will provide an information base about the Project area and existing socio-economic conditions.

Sections 1.7 through 1.12 provide an overview summary of environmental baseline features encountered along the Project route. An overview summary socio-economic environment baseline features is discussed in Section 1.13.

1.1 NEED FOR ENVIRONMENTAL ASSESSMENT

An environmental assessment of the Project is required under the NEB Act and under CEAA 2012 as per Section 38 of *the Regulation Designating Physical Activities*, as the Project involves the construction of more than 40 km of new pipeline.

1.2 SCOPE OF ASSESSMENT

The scope of the environmental and socio-economic assessment of the Project will take into account the requirements of CEAA 2012 and the NEB's Filing Manual. The scope of the factors defines the biophysical and socio-economic elements to be assessed and the spatial and temporal boundaries associated with the biophysical and socio-economic elements. The assessment will include a risk based approach for the assessment of accidents and malfunctions in both the terrestrial and marine environments.

The following physical works and activities are included in the scope of the Project for the purpose of the ESA:

- construction and operation of approximately 1,500 km of new mainline pipe and related facilities, including:
 - pipeline valves
 - launcher and receiver facilities
 - cathodic protection
 - communication and control systems
- conversion and operation of approximately 3,000 km of existing natural gas pipelines to oil service from gas service, including the installation of new and refurbished facilities required for liquid operations
- construction and operation of pipeline laterals, terminal interconnections and delivery meter stations
- construction and operation of storage tank terminals and ancillary facilities at:
 - Hardisty, AB
 - Moosomin, SK
 - Cacouna, QC
 - Saint John, NB
- construction and operation of approximately 72 pump stations from Hardisty, AB to Saint John, NB
- construction and operation of marine terminals at Cacouna, QC and Saint John, NB, including mooring and loading facilities
- marine shipping to and from Cacouna, QC and Saint John, NB
- construction and use of permanent access roads for valve sites, pump stations, tank terminals and marine terminals
- construction-related temporary infrastructure, such as:
 - access (e.g., roads, travel lanes and shooflies)
 - pipe and equipment storage sites
 - contractor offices and yards
 - construction camps
- potential deactivation and/or decommissioning of Canadian Mainline facilities that will not be required for oil or gas service in the near to medium term, after conversion
- future decommissioning and abandonment activities

1.3 ASSESSMENT METHODOLOGY

The assessment will evaluate the potential environmental and socio-economic effects of the construction, operations and maintenance, and decommissioning and abandonment phases of each component of the Project. The assessment method included the following components:

- description of the physical works and activities included in the assessment
- scoping of issues to determine the need for detailed information
- selection of valued environmental or socio-economic components
- identification of measurable parameters for each valued component
- determination of spatial and temporal boundaries
- identification of Project effects
- development of mitigation and effects management plans
- establishing residual environmental and socio-economic effects description criteria
- development of thresholds for determining the significance of residual effects
- analysis and determination of significance of residual project effects
- evaluation of cumulative environmental and socio-economic effects
- quantitative analysis of the estimated economic effects of the construction and operations phases
- providing recommendations for monitoring and follow-up programs based on the results of the residual and cumulative project effects assessment

1.4 SPATIAL BOUNDARIES

The spatial boundaries are established by limits within which environmental or socio-economic effects from project activities might occur and beyond which effects are predicted to be negligible.

The spatial boundaries of the assessment encompass the areas potentially affected by the Project, the areas within which a population or environmental component functions, and within which a project environmental effect might occur (e.g., an airshed). Three general study areas have been used for the ESA:

- Project Development Area (PDA) – encompasses the immediate area of the Project. The PDA typically includes the area of physical disturbance associated with the construction or operation of the Project.
- Local Assessment Area (LAA) - encompasses the area in which both (a) Project-related environmental effects can be predicted or measured with a level of confidence that allows for assessment; and (b) there is a reasonable expectation that those effects could be of concern. The LAA includes the area over which the environmental or socio-economic effects of the Project could be measurable. In most cases, the boundaries selected for the LAA are discipline-specific (e.g., the fisheries component assesses watercourse crossings)

- Regional Assessment Area (RAA) Terrestrial – encompasses the area that (a) establishes the context for the determination of significance of Project-specific effects; and (b) encompasses where Project-specific effects overlap with effects of past, present, and reasonably foreseeable future activities. It is consequently the area for which the Project’s contribution to cumulative effects is assessed. The RAA varies with each discipline and can include natural sub-regions, the home ranges of wildlife species or an airshed.
- RAA Marine: The RAA boundaries associated with the marine environment have been selected on the basis of marine ecoregions with a focus on habitat requirements of species of conservation concern and the area within which cumulative environmental effects for the marine environment may potentially occur
 - Canaport NB: The RAA for the Saint John marine terminal in NB extends to the end of the Transport Canada’s existing shipping lanes, which is situated at the head of the Bay of Fundy
 - Cacouna QC: The RAA for the Cacouna marine terminal in QC is the seaward extent of the St. Lawrence Seaway as well as the location of the boundary between the Canadian Inland Waters and the Canadian Internal Marine Waters (i.e., Gulf of St. Lawrence) as defined by Transport Canada. This seaward boundary also coincides with the spatial limit of the endangered resident beluga population of the St. Lawrence Estuary and other concentrations of endangered marine mammals.

1.5 TEMPORAL BOUNDARIES

The temporal boundaries are determined by the timeframe in which effects associated with the Project might occur. The temporal boundaries for the assessment have been defined based on the timing and duration of project effects in relation to each valued component. The temporal boundaries established for the purposes of this ESA are construction, operation, decommissioning and abandonment.

1.6 BIOPHYSICAL AND SOCIO-ECONOMIC VALUE COMPONENTS

An evaluation of potential Project interactions was completed for all biophysical and socio-economic components of concern. Table 1-1 summarizes the results of the evaluation of potential Project interactions, the valued component selected and the rationale for the selection.

Table 1-1: Summary of Potential Project Interactions, Valued Component Selected and Rationale

Biophysical and Socio-Economic Component of Concern	Valued Component	Potential Interactions ^{1,2,3}		Valued Component (VC)		Rationale for Inclusion of the Environmental Effect in the Assessment
		Construction	Operation	Yes	No	
Physical environment	Landscape and Morphology	N/A	N/A		✓	Covered under soils, fisheries and hydrology
Soil and soil productivity	Soil Capability	✓	✓	✓		Project construction and operation activities could have an effect on soil capability
Vegetation and Wetlands	Vegetation and Wetlands	✓	✓	✓		Project construction and operation activities could affect the distribution/abundance of native vegetation and wetlands. Operation activities could result in the spread of invasive or non-native plant species from the Project onto surrounding lands.
Surface Water Resources	Surface Water Resources	✓	N/A	✓		Construction activities could affect surface water flow and surface water quality. No pathway of effect during operation.
Groundwater Resources	Groundwater	✓	N/A	✓		Construction activities could affect groundwater quantity, flow and quality. No pathway of effect during operation.
Fish and fish habitat	Fish and fish habitat	✓	✓	✓		Construction and operation activities of the pipeline could affect fish and fish habitat as a result of construction activities near or through a fish bearing waterbody. No pathway of effect is anticipated for pump stations or tank terminals as facilities will be sited away from fish-bearing watercourses.
Wildlife and Wildlife Habitat	Wildlife and Wildlife Habitat	✓	✓	✓		Construction and operation activities could affect wildlife species and their habitats. Tank terminal operations could result in sensory disturbance to wildlife species and their habitat in close proximity to the terminal locations
Atmospheric Environment	Air Quality	✓	✓	✓		Construction and operation activities could result in local increases in air quality contaminants.
Acoustic Environment	Noise	✓	✓	✓		Construction and operation activities could result in temporary and localized increases in ambient noise levels.

Table 1-1: Summary of Potential Project Interactions, Valued Component Selected and Rationale (cont'd)

Biophysical and Socio-Economic Component of Concern	Valued Component	Potential Interactions ^{1,2,3}		Valued Component (VC)		Rationale for Inclusion of the Environmental Effect in the Assessment
		Construction	Operation	Yes	No	
Marine Environment	Marine Fish and fish habitat	✓	✓	✓		Construction and operation activities of the marine terminals could interact with marine fish and fish habitat. Marine terminal operations could result in sensory disturbance to marine fish and fish habitat.
	Marine Wildlife and Habitat	✓	✓	✓		Construction and operation activities of the marine terminals could interact with migratory birds and marine mammals and their habitats (e.g. sensory disturbance)
Human Occupancy and Resource Use	Land Use	✓	✓	✓		Construction and operation activities of the Project could affect local uses of the Project area for uses such as agricultural, forestry, oil and gas or other industrial activity, as well as for fishing, hunting and trapping, or recreational uses.
	Marine Resource Use	✓	✓	✓		Construction and operation activities of the Project could affect the income of local commercial fishermen
Heritage Resources	Pre-contact Archaeological sites Historic sites	✓	N/A	✓		Construction-related activities of the Project may disturb archaeological and historical sites and could result in loss of site context
Palaeontological Resources	Palaeontological Resources	✓	N/A	✓		Construction-related activities of the Project may disturb palaeontological sites and could result in loss of fossils or site context
Traditional Land and Resource Use	Traditional Land and Resource Use by Aboriginal Communities	✓	✓	✓		Construction and operation activities of the Project could affect traditional activities and sites
Social and Cultural Well-being	Social and cultural wellbeing	✓	✓	✓		Construction and operation activities of the Project may affect local communities through influx of out-of-region workers, local employment opportunities, and use of land, especially for local Aboriginal communities.

Table 1-1: Summary of Potential Project Interactions, Valued Component Selected and Rationale (cont'd)

Biophysical and Socio-Economic Component of Concern	Valued Component	Potential Interactions ^{1,2,3}		Valued Component (VC)		Rationale for Inclusion of the Environmental Effect in the Assessment
		Construction	Operation	Yes	No	
Human Health	Human Health	✓	✓	✓		Project construction and operation activities could result in local temporary increases in air quality contaminants which may result in health risks.
Visual Aesthetics	Visual Aesthetics	✓	✓	✓		Construction and operation activities of the may affect areas with a visual or resource value, with the potential for visual sensitivity where development alters the landscape
Infrastructure and Services	Infrastructure and Services	✓	✓	✓		Construction and operation related activities such as traffic, and workforce could place demands on local services and infrastructure
Employment and Economy	Employment and Economy	✓	✓	✓		Project construction and operation activities could create employment and business opportunities, as well as generate revenue for governments.

Note:

Construction and Operation referred to in the table is the construction and operation of all aspects of the Project, including the new mainline pipeline segments, converted pipeline, laterals and interconnection pipe, pump stations, tank terminals and marine terminals.

1. The following definitions apply to the Project components:

- Pipeline – A 50-60 m wide construction right-of-way is proposed for the new mainline. The ROW will consist of a 15-25 m wide permanent easement and 17-27 m of temporary workspace. Additional workspace may be required in some areas.
- Pump Station – Up to 72 pump stations will have electric drive motors. They will be between 75,600 m and 84,000 m² in size.
- Tank Terminal – The tank terminals will consist of: between 8 and 15 bermed internal floating roof tanks, booster and tank transfer pumps, custody transfer meters and provers, storage, field service and electrical services buildings, sump tanks, electrical substation and hydrotest, fire water and surface water ponds. The tank terminal sites will range from 315,500 m to 525,500 m² in size.
- Marine terminal refers to the Cacouna Energy East Marine Terminal and Canaport Energy East (or Saint John) marine terminals as follows:
 - Cacouna Energy East Marine Terminal: The Cacouna terminal consists of a 42 inch diameter interconnect pipeline that connects the storage tanks to the onshore marine loading facilities site that includes control builds, parking, potentially storage tanks, fire equipment etc (foreshore facilities) and marine loading facilities that include the loading of up to Suezmax crude carriers through a two berth arrangement and a single jetty.
 - Canaport Energy East (Saint John) Marine Terminal: The Saint John terminal consists of a 42 inch diameter interconnect pipeline that connects the storage tanks to the marine loading facilities, parking, control buildings, fire equipment etc (foreshore facilities) and marine loading facilities that include the loading of up to Very Large Crude Carriers crude carriers through a two berth arrangement and a single jetty.

2. Construction activities include: clearing, stripping, stockpiling, grading, trenching, lowering-in, pipe-stringing, backfilling, equipment operation and temporary equipment and material storage. Operation includes the physical presence of facilities or pipeline, physical footprint, maintenance and equipment operation. Abandonment and decommissioning is considered at a high level in a separate section of the effects assessment. As a designated project under CEAA 2012, a preliminary abandonment plan for the Project will be provided in the ESA. An assessment of future decommissioning and abandonment activities, including the determination of significance of any effects, will also be provided in the ESA.

3. Accidents and Malfunctions are addressed in a separate section of the ESA

Based on the evaluation summarized in Table 1-1, 20 valued components were selected, within 18 biophysical or socio-economic components. The following sections provide a summary of the environmental and socio-economic baseline conditions found along the Project route.

1.7 PHYSICAL ENVIRONMENT

1.7.1 Alberta

In Alberta, the Project will be located in three ecoregions of the the eastern AB Plain physiographic region (see Figure 1-1). From north to south, these ecoregions are:

- Aspen Parkland
- Moist Mixed Grassland
- Mixed Grassland

All three ecoregions have topographical elements that include a broad plain with intermittent creeks and rivers that incise subtle- to scenic valleys. Approximately 60% of the region is covered by moderately calcareous, medium-textured glacial-till deposits. Medium- to fine-textured glaciolacustrine sediments and coarser-textured glaciofluvial sediments associated with major drainage systems each cover approximately 20% of the region. In some areas, glaciofluvial materials have been eroded and reworked by the wind to form aeolian features.

The climate of AB varies in temperature, precipitation, and cloud cover across the province. This variability is apparent on a daily and seasonal basis. The climate in the Project region is characterized by cold winters and short, hot summers with low yearly rainfall (Government of Canada 2006).

1.7.2 Saskatchewan

In Saskatchewan, the Project will be located in three ecoregions in the Prairie Ecozone (see Figure 1-2). From west to east, these ecoregions are:

- Mixed Grassland
- Moist Mixed Grassland
- Aspen Parkland

All three ecoregions have topographical elements that include a broad plain with intermittent creeks and rivers that incise subtle- to scenic valleys. Uplands range from subdued to distinct hills and are interspersed with benchlands, sand dunes and local badlands (Acton et al. 1998).

Marine sedimentary rocks of the Bearpaw Formation, consisting of mudstones, shales and localized deposits of bentonite, underlie western portions of the Project area. The

Ravenscrag Formation and parts of the Riding Mountain Formation underlie easterly portions of the Project in SK.

The SK climate encompasses wide daily and seasonal variation with respect to temperature and precipitation. The continental climate is characterized by long, cold winters, and short, hot summers. It is considered the driest province in Canada.

1.7.3 Manitoba

In Manitoba, the Project will be located in three ecozones and four ecoregions (see Figure 1-3). From west to east, these ecoregions are:

- Aspen Parkland
- Lake Manitoba Plain
- Interlake Plain
- Lake of the Woods

Major physiographic features that influence topography and drainage include:

- Manitoba Escarpment
- Assiniboine River Valley
- Manitoba Plain
- Pembina River Valley
- Precambrian Shield rock outcrops

The MB portion of the Prairie segment is predominantly underlain by Cretaceous shales in central MB, south of Lake Winnipeg and Lake Manitoba, with flat-lying Paleozoic limestone and Precambrian granitic bedrock in the east.

In the western portion of the MB portion of the Prairie segment, the plains are marked by a gently undulating ridge and swale topography, with hummocky sandy areas to the east and south. The eastern portion is characterized by a broadly rolling mosaic of uplands and lowlands attributable to bedrock outcrops which are interspersed with ridged to hummocky sandy morainal uplands, (Smith et al. 1998).

The climate of MB is characterized by large seasonal temperature variation, long cold winters, short hot summers, and low but variable precipitation.

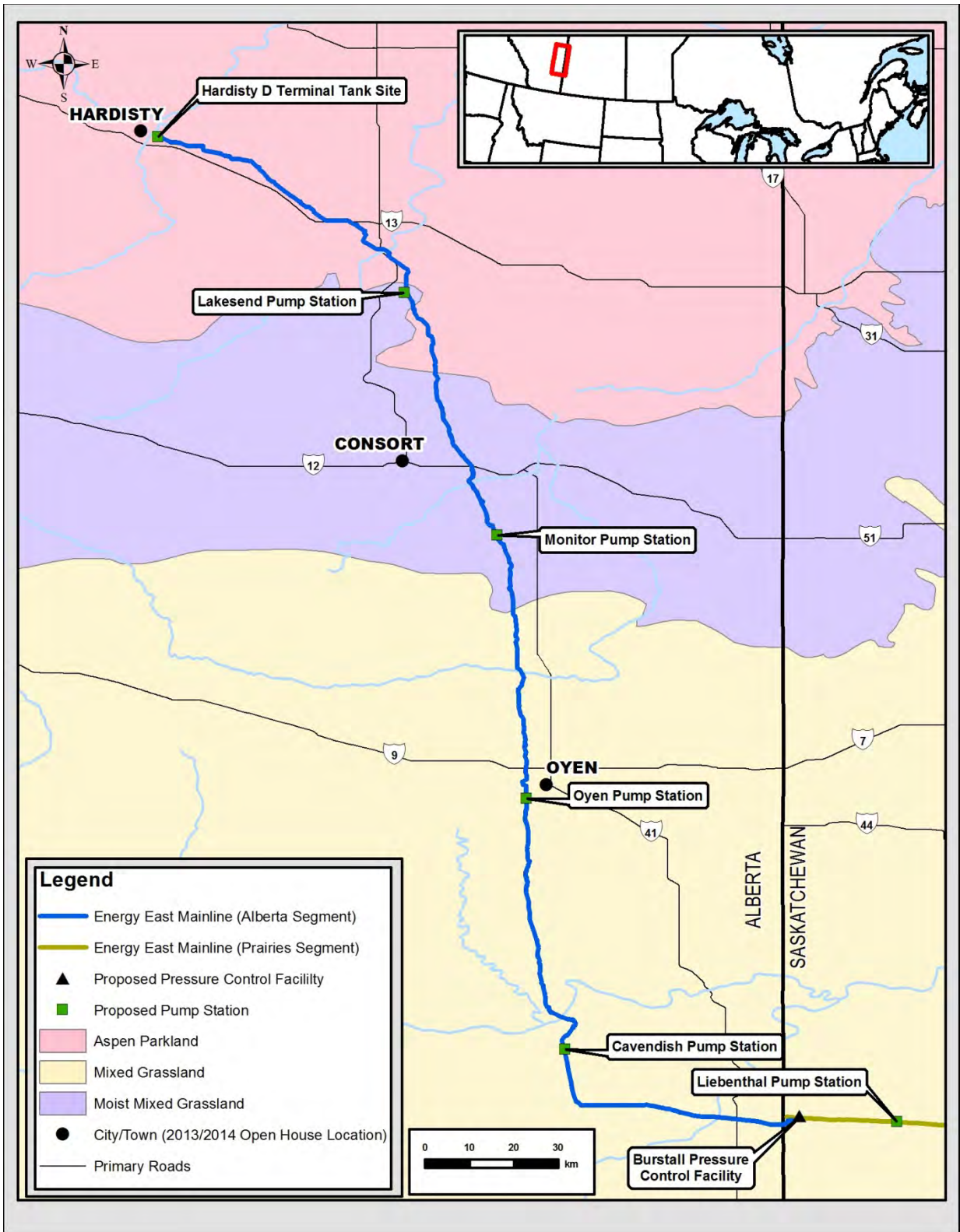


Figure 1-1: Ecoregions Crossed by Project through Alberta

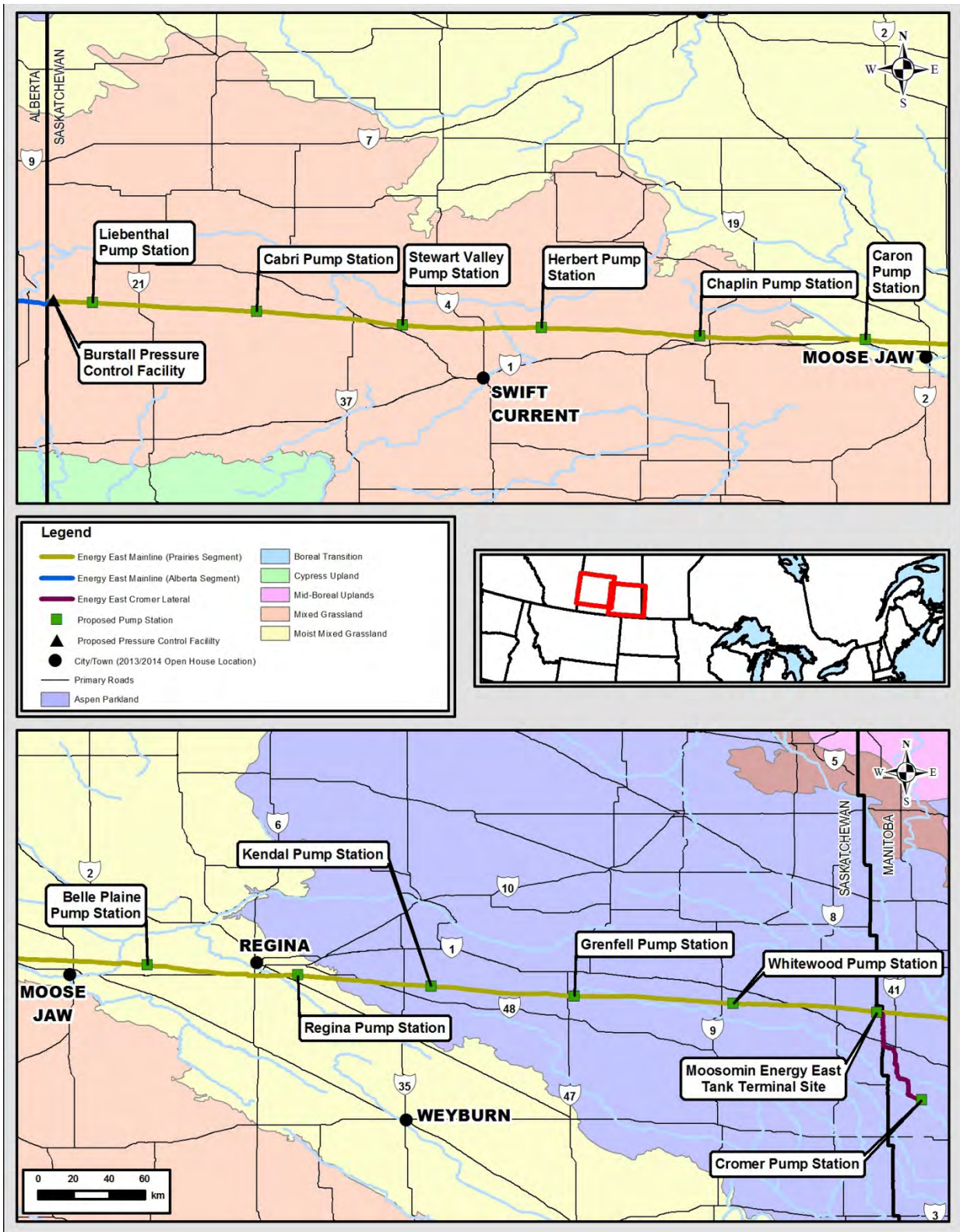


Figure 1-2: Ecoregions Crossed by Project through Saskatchewan

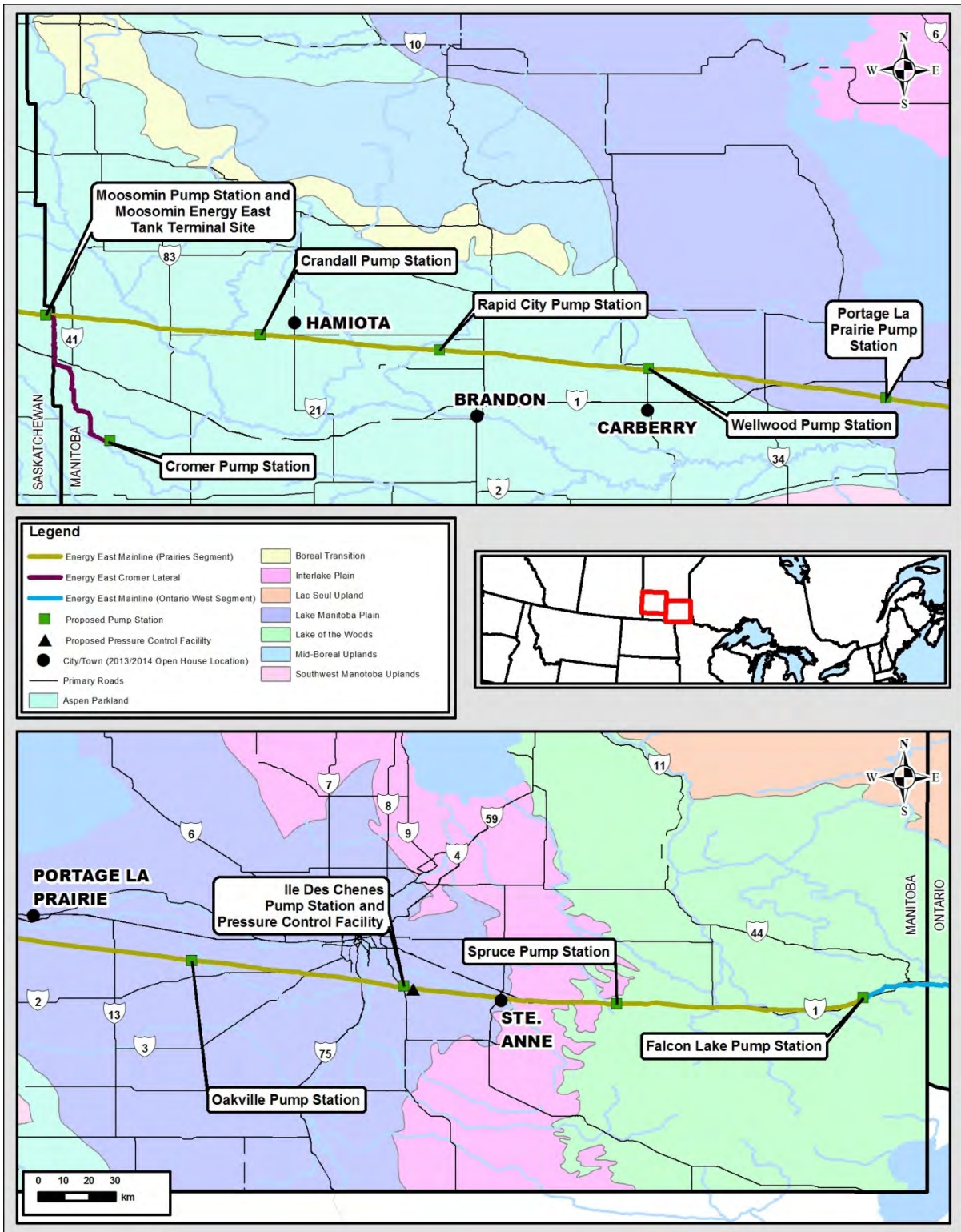


Figure 1-3: Ecoregions Crossed by Project through Manitoba

1.7.4 Ontario

In Ontario, the Project crosses two ecozones (Boreal Shield and Mixedwood Plains) and passes through six ecoregions (see Figure 1-4 and Figure 1-5):

- Lake Wabigoon
- Lake Nipigon
- Lake Abitibi
- Lake Temagami
- Georgian Bay
- Lake Simcoe-Rideau

The Project in ON will be predominantly located in the Boreal Shield ecozone, where the Boreal Forest and the Canadian Shield overlap (Baldwin et al. 2000). The Boreal Forest is underlain by Precambrian granitic bedrock of the Canadian Shield and sandstone or metamorphic rock.

The southernmost portion of the Project in ON, which occurs in the Mixedwood Plains ecozone, is underlain by limestone (MNR 2013). Surficial geology in the Project in ON area is predominantly bedrock in the west, ground moraine and organic deposits in the central area, and lacustrine deposits and ground moraine in the east.

The Project will intersect with several major physiographic features in ON that influence topography and drainage, including:

- Precambrian Shield rock outcrops
- Hudson Bay
- Lake Nipigon
- the Great Lakes
- Ishpatina Ridge
- St. Lawrence River

Due to its geographic area, the climate of ON varies in temperature and precipitation across the province. This variability is apparent on a daily and seasonal basis. In general, Ontario's climate is considered continental. The large bodies of water in the north and south have a moderating effect on the climate, which also reduces the differences between day and night temperatures.

1.7.5 Québec

In QC, the Project between the ON border and Québec City is located within the St. Lawrence Lowlands ecoregion. The St. Lawrence Lowlands is a broad river valley bounded on the north by the hilly Laurentian Highlands and to the south by the Eastern Québec Uplands. These lowlands are underlain by sedimentary Paleozoic bedrock with sandstone, limestone and marine surface deposits primarily composed of clay, silt and sand left by the Champlain Sea.

The Project between Lévis and the NB border is part of the Appalachian ecoregion, which is characterized by changing relief, from moderately flat, to more terraced, with several monadnocks and the Appalachian foothills heading toward NB and Maine, US. The Appalachians are formed by folded paleozoic bedrock with significant faulting and marine sediments left by the Goldthwait Sea (Robitaille and Saucier, 1998). Ecoregions crossed by the Project in QC are presented in Figure 1-6.

The province of QC shows wide temperature and precipitation variations with relation to their latitude, relief and maritime influence and four distinct seasons follow one another. QC climate is typically continental, marked by large seasonal contrasts and an average variation in temperature of about 30°C between winter and summer in any given region.

1.7.6 New Brunswick

In NB, the Project enters the province in the northwest, passing through five of the NB's seven ecoregions, beginning with the hilly northwestern portion of the Central Uplands ecoregion before traversing through the Valley Lowlands ecoregion, which is characterized by its geologic diversity. The Valley Lowlands ecoregion generally borders the upper and middle Saint John River valley, but also includes areas that expand away from the valley towards the northeast.

The middle section of the route will cross over the western edge of the eastern lowlands ecoregion, which has a flat to gently rolling landscape, and generally poor soil drainage and productivity. From this area the Project will pass through the eastern side of the Grand Lake Lowlands ecoregion.

The southern section of the Project will pass through the Valley Lowlands ecoregion a third time before traversing the Fundy Coastal ecoregion, which extends across the entire southern coast of NB (NBDNR 2007). Ecoregions crossed by the Project in NB are presented in Figure 1-7.

The climate of NB can be generally characterized as continental in the central and northern regions of the province, with more of a moderated climate in the southern and eastern regions of the province due to influence from the Atlantic Ocean.

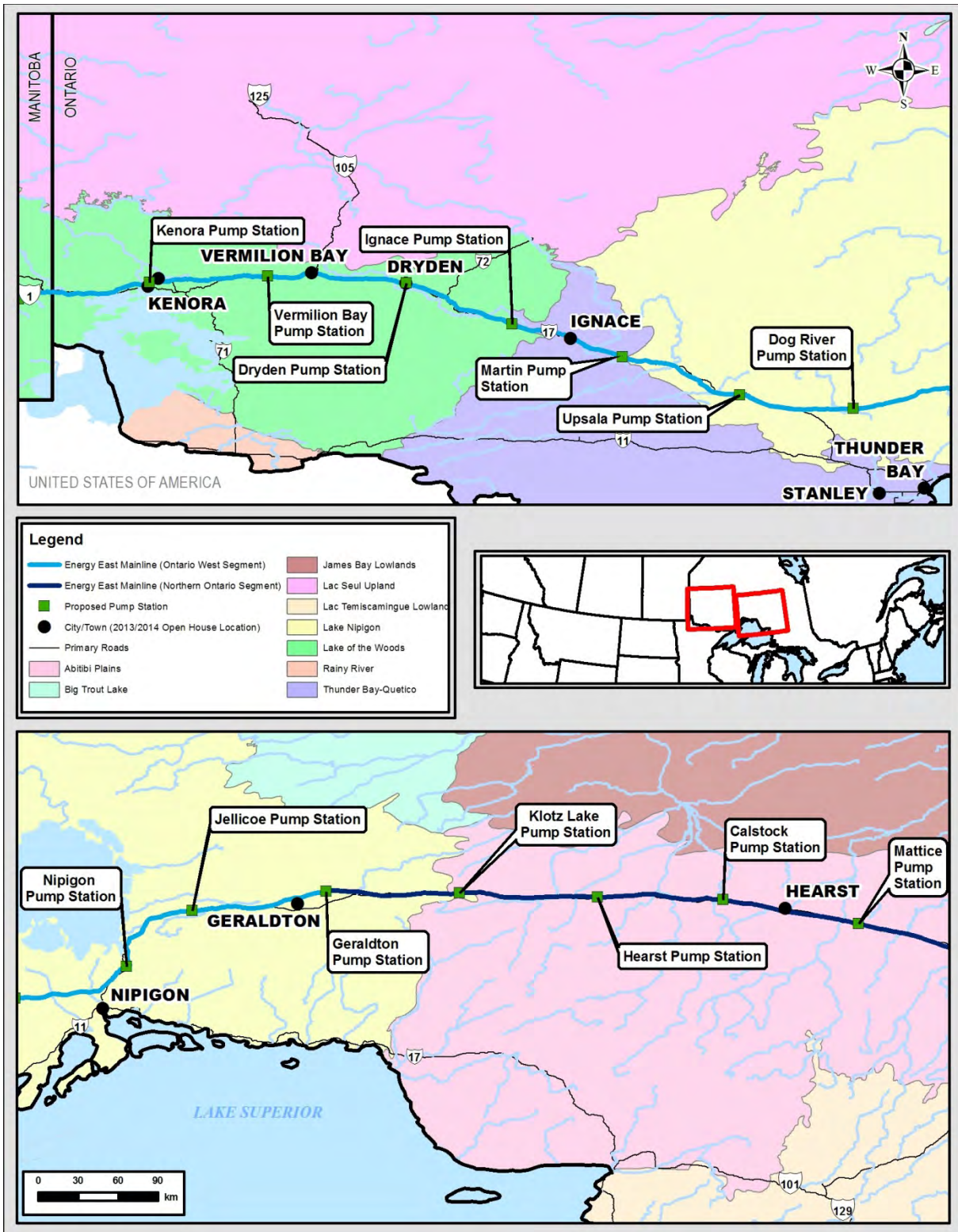


Figure 1-4: Ecoregions Crossed by Project through Ontario
(Ontario West and Northern Ontario Segments)

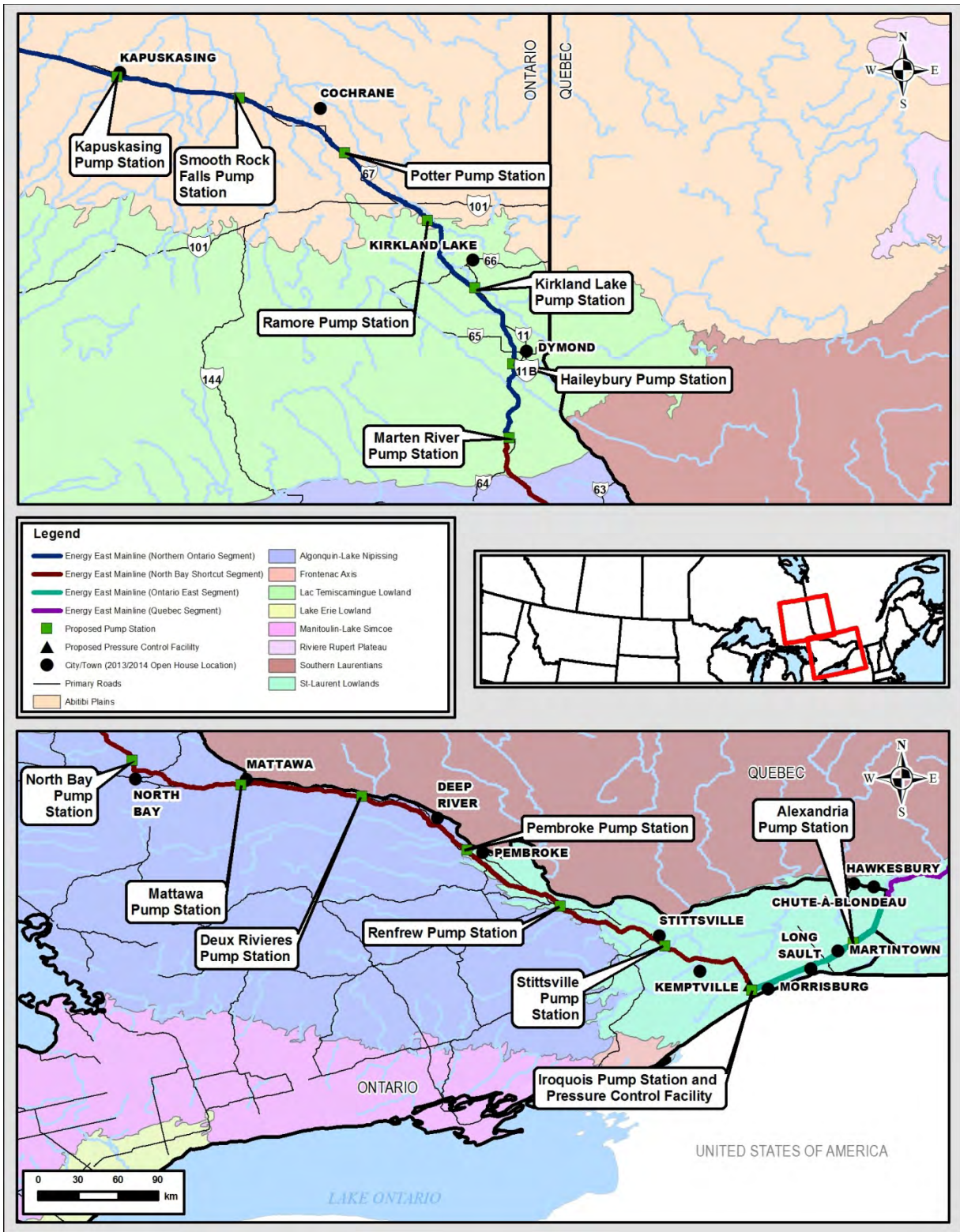


Figure 1-5: Ecoregions Crossed by Project through Ontario (Northern Ontario, North Bay Short Cut and Ontario East Segments)

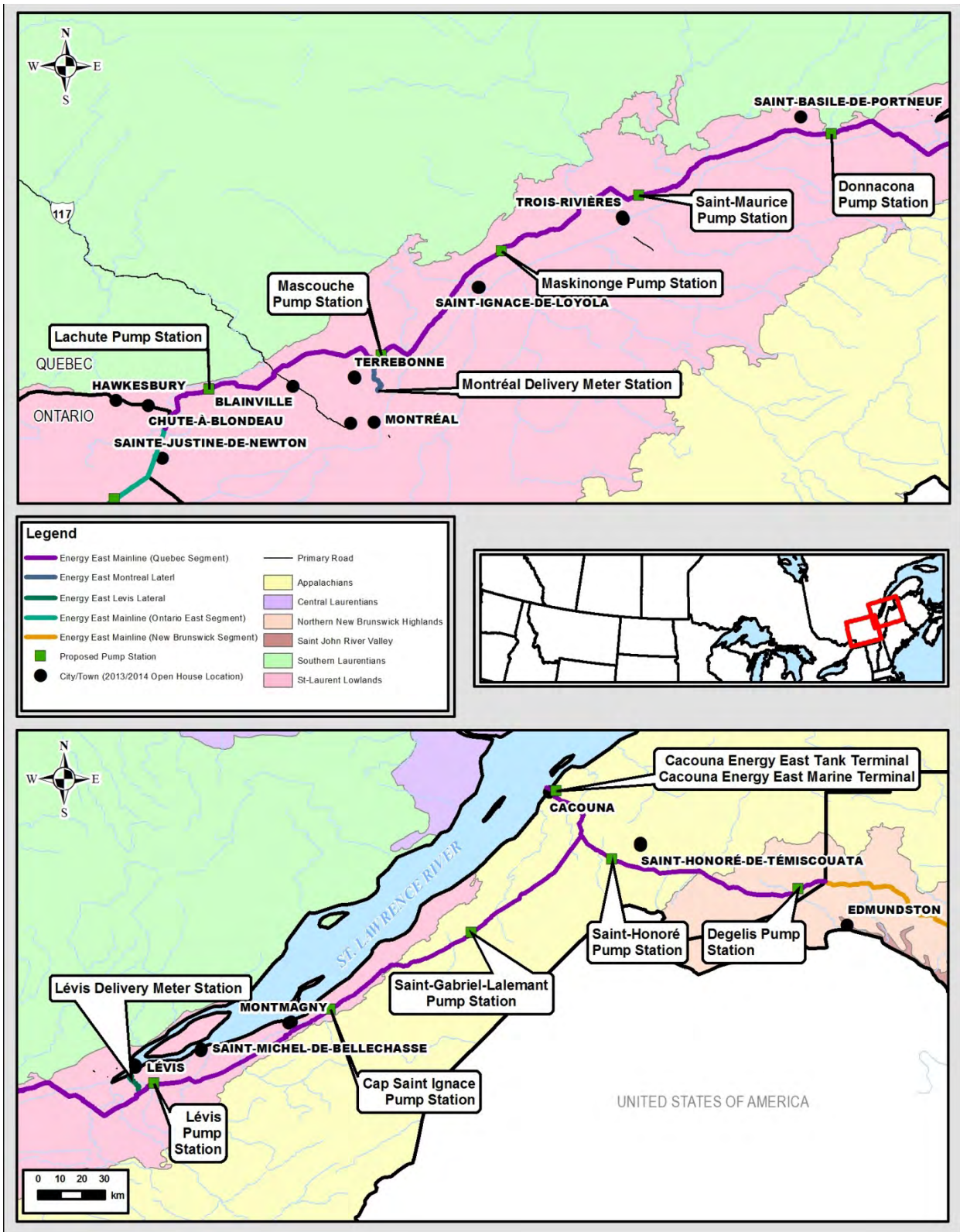


Figure 1-6: Ecoregions Crossed by Project through Québec

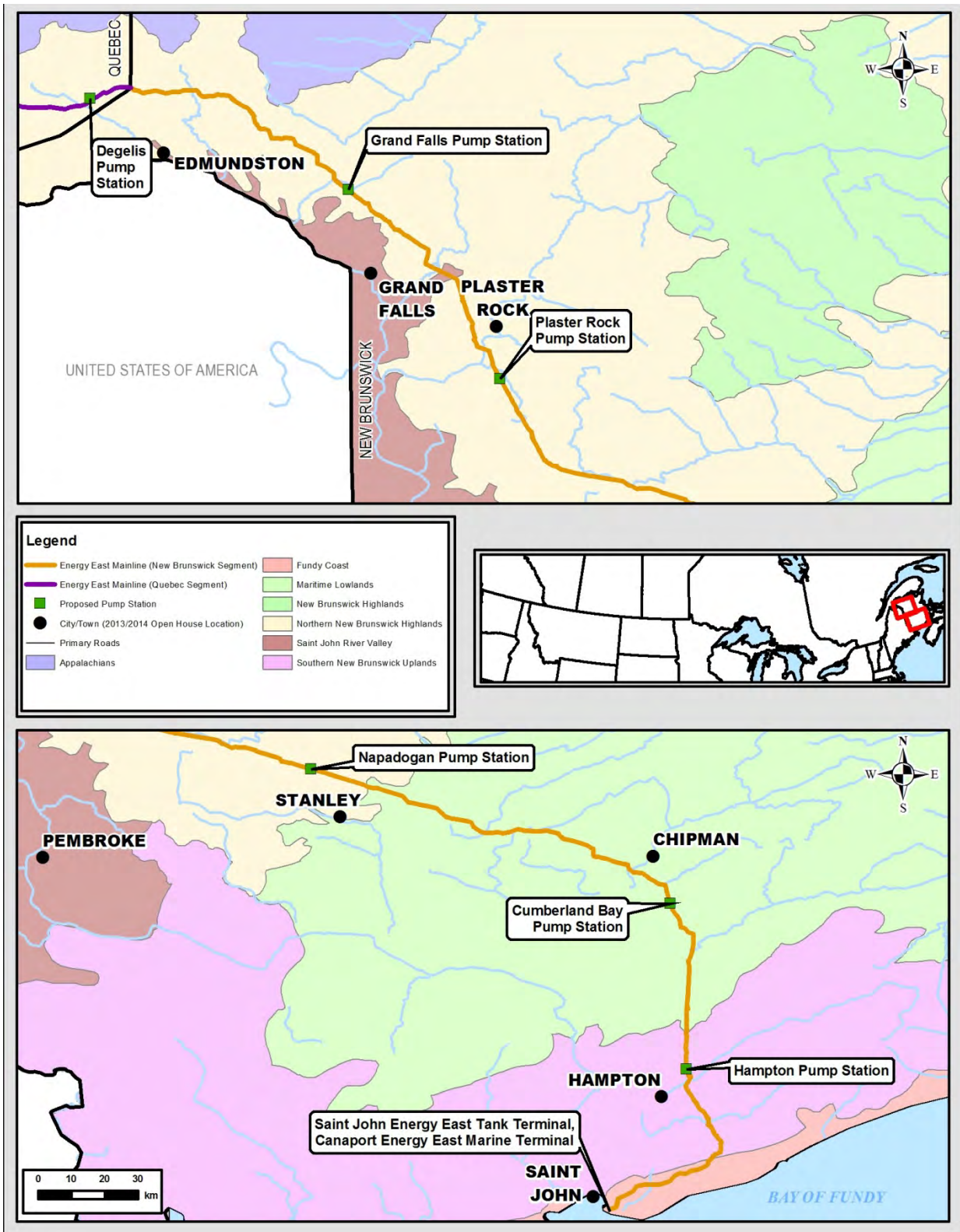


Figure 1-7: Ecoregions Crossed by Project through New Brunswick

1.8 ATMOSPHERIC ENVIRONMENT

Alberta

Nine airshed zones have been established to monitor and manage air quality in AB (ESRD 2013a). The tank terminal proposed for Hardisty does not fall within an airshed zone; however, the pipeline route crosses the northern portion of the Palliser airshed zone.

The Palliser airshed operates one continuous air monitoring station, located in Medicine Hat, and 21 passive monitoring stations located throughout the airshed zone. Continuous monitoring data collected in 2012 indicates concentrations of measured substances are below the respective ambient air quality objectives, with the exception of fine particulate matter. Relatively higher measured concentrations of fine particulate matter are attributable to wildfires in the area (Palliser Airshed Society 2012). The Air Quality Health Index (AQHI) as measured at the Medicine Hat station, rates air quality as Low Risk 93% of the time (Palliser Airshed Society, 2012).

1.8.2 Saskatchewan

Two airshed zones, the Southeast Saskatchewan Airshed Association (SESAA) zone and the Western Yellowhead Air Management Zone are currently established in the province of SK, although the Government of Saskatchewan anticipates that additional airshed zones will eventually be established (Government of Saskatchewan 2013a). The monitoring programs in these airshed zones are independently run by nonprofit organizations.

The Moosomin tank terminal is located in the SESAA zone.

The SESAA currently operates two continuous monitoring stations, located near Weyburn and Glen Ewan, as well as a passive monitoring network occurring at multiple locations within the SESAA zone. Continuous monitoring data collected in 2012 indicates concentrations of measured substances are below the respective ambient air quality objectives, with the exception of hydrogen sulphide. The cause of the exceedences measured at the Weyburn and Glen Ewan stations has not yet been established (SESAA 2012). The AQHI, as measured at the Weyburn station, rates air quality as low risk 98.6% of the time (SESAA 2012).

1.8.3 Manitoba

Air quality in southern MB is generally good and airshed zones have not been established by the province at this time. There are two air quality monitoring stations located in southern MB: one in Brandon and one in Winnipeg. The average Air Quality Health Index for both monitoring stations is three, or “low risk” and is described as ideal air quality for outdoor activities (Manitoba Conservation and Water Stewardship 2013).

1.8.4 Ontario

The Environmental Monitoring and Reporting Branch (EMRB) operates 40 ambient monitoring stations across ON. The site locations for the AQI network cover Southern ON and northern areas including Thunder Bay, Sudbury, North Bay, Chalk River and Ottawa. From the 40 stations, seven of the stations are within about 70 km of the Project.

Air quality at each station is categorized using the AQI. Based on the most recent air quality report available (2011) air quality at all seven stations was characterized as very good to good, about 97% of the time for the measured pollutants (Air Quality in Ontario, 2011).

1.8.5 Québec

The Ministère du Développement durable, de l'Environnement, de la Faune et des Parcs calculates and updates the AQI each hour by region. The air quality index is based on measurements taken at approximately 50 air quality monitoring stations located across south western QC. The parameters that are considered with the AQI include ozone, fine particles, sulfur dioxide, nitrogen dioxide and carbon monoxide. The air quality index is reported on-line in real time.

Baseline air quality near the Project is considered to be good because it is located in areas of agricultural lands and woodlands characterized by limited emission sources of air contaminants and low levels of pollutants. Main sources of air pollutants (mainly suspended particulate matter) in the rural environment are typically associated with farming activities, residential wood burning and motorized traffic.

Both the Lévis and Montréal laterals branch towards industrial zones. In the vicinity of the two proposed delivery points in Montréal and Lévis, and the tank terminal at Cacouna, higher levels of air pollutants are expected. Montréal-Est is a major industrial hub, hosting several industries generating air pollutants, and Lévis hosts a large crude oil refinery.

1.8.6 New Brunswick

Air quality along the NB pipeline route is generally good. The province of NB has an established air quality monitoring network. The provincial network is comprised of 16 provincially operated air quality monitoring stations. The Province also requires the operators of large industrial facilities to participate in air quality monitoring. During the 2011 reporting year there were 34 industry-operated stations dedicated to monitoring the ambient concentrations of industry specific contaminants in nearby communities.

NB does not have formally established airsheds however the Saint John, Charlotte and Kings counties are singled out on the basis is sulphur dioxide (SO₂) ambient

standards being 50% lower than in the rest of the province. Long term air quality monitoring results (2000-2011) have shown decreases in concentrations of monitoring compounds, ranging from no notable change in CO or O₃ to an 87% decrease in SO₂ concentrations (New Brunswick Department of Environment and Local Government 2013).

Saint John has a larger industrial presence in comparison to other communities along the route and subsequently has increased monitoring stations to measure the influences of these sources. Historical monitoring in Saint John has shown infrequent exceedances of the SO₂ and total reduced sulphur objectives since 2008 (New Brunswick Department of Environment and Local Government 2012).

1.9 ACOUSTIC ENVIRONMENT

Ambient noise in the Project area across Canada is primarily associated with agricultural operations, vehicle traffic, and rail traffic. As the Project is mainly located in a rural setting, ambient sound levels are expected to be relatively low compared to urban and industrial areas. During construction, an elevated level of noise will result from equipment and traffic. Potential receptors to these noise emissions include residents in the Project area.

Pump stations required to move oil through the pipeline will be electrically powered except for eight pump stations located in ON that will be electrically powered by natural gas turbines. Pump stations are the primary source of noise that will affect ambient sound levels during the Project operations. The Alberta Energy Regulator's Directive 38 will be used, as referenced in the NEB Filing Manual, and applied across the Project to evaluate the Project contribution to ambient noise levels.

1.10 WASTE DISPOSAL

Typical types of waste expected to be generated during the construction and operation of the Project include:

- motor oils
- hydraulic fluids
- welding rods
- hydrostatic testing water
- construction materials
- horizontal directionally drilled drilling fluids
- domestic waste or effluent
- waste rock or spoil disposal
- acid rock disposal

The handling and disposal of waste will be different for hazardous and non-hazardous materials and will be in accordance with all applicable legislation.

1.11 WATER

1.11.1 Alberta

In AB, the Project falls within the Saskatchewan River Basin and traverses four watersheds. From north to south:

- Battle River
- Sounding Creek
- Red Deer River
- South Saskatchewan River

The Project will also intersect a number of small streams and watercourses, as well as four large creek crossings (Loyalist Creek, Sounding Creek, Ribstone Creek, Monitor Creek) and two major river crossings (Red Deer River and South Saskatchewan River).

Drainage is generally west to east from headwaters in the Rocky Mountains toward Hudson Bay. The hummocky terrain found in the northern and middle sections of the AB new pipeline segment has resulted in the formation of numerous, scattered small pothole lakes often with surrounding fringes of shrubby forest vegetation.

1.11.2 Saskatchewan

In SK, the Project crosses four watersheds:

- South Saskatchewan River
- Qu'Appelle River
- Souris River
- Assiniboia River

The SK portion of the Prairie segment crosses the nine watercourses:

- Miry Creek
- Antelope Creek
- Swift Current Creek
- Thunder Creek
- Moose Jaw River
- Cottonwood Creek
- Wascana Creek
- Manybone Creek
- Pipestone Creek

The Project is within 10 km south of Lake Diefenbaker, 5 km north of Chaplin Lake, and 0.5 km south of Pelican Lake.

The Cromer Lateral crosses Brennand Creek in SK.

1.11.3 Manitoba

In MB, the Project crosses:

- Assiniboine River west of Miniota
- Assiniboine River south of Portage la Prairie
- Red River south of Winnipeg

In addition, a new crossing of the Assiniboine River south of Portage la Prairie will be installed. The new crossing is required to meet the pipe diameter for EEP. The Cromer Lateral in MB crosses two large creeks (Niso Creek and Gopher Creek) and several small watercourses.

Numerous undrained depressions varying in size from small potholes and sloughs to large wetlands and intermittent and shallow lakes are common in the undulating to hummocky terrain in the west, while small to large lakes are common in the east.

1.11.4 Ontario

In ON, the ON West, Northern Ontario, and the North Bay Shortcut segments cross two primary watersheds (the Nelson River and Great Lakes–St. Lawrence watershed) and 41 named river crossings including:

- Winnipeg River
- Wabigoon River
- Dog River
- Black Sturgeon River
- Kenogami River
- Pagwachuan River
- Nagagami River
- Kabinakagami River
- Opatatika River
- Kapuskasing River
- Mattagami River
- Frederick House River
- Blanche River
- Montreal River
- Madawaska River
- Mississippi River
- Rideau River
- South Nation River

New crossings of the Madawaska and Rideau Rivers will be installed. The new crossings are required to meet the required pipe diameter for the Project.

The Ontario East segment of the Project crosses one primary watershed – the Great Lakes–St. Lawrence watershed. Watercourses along this segment are typically warm water and permanent; however, some coolwater watercourses are present in the Beaudette, Raisin River and Hoasic Creek watersheds. See Table 1-11 for a list of major river crossings in ON.

1.11.5 Québec

In Quebec, the Project will intersect a large number of watercourses and traverse over 80 distinctive watersheds and over 600 watercourses, including:

- Rivière des Outaouais
- Rivière des Mille Îles
- Rivière Saint-Maurice
- Fleuve Saint-Laurent
- Rivière des Prairies

See Table 1-11 for a list of the major rivers crossed in QC.

The largest crossing in QC is the St. Lawrence River which will necessitate the implementation of a trenchless crossing method.

Approximately 10% of the province is covered with fresh water, encompassing over 4,500 rivers and some half-million lakes (MDDEFP, 2013a). The St. Lawrence River is a major component of QC hydrological network. With its 1,200 km in length, it is one of the largest watercourses in the world (Centre Saint-Laurent, 1996).

1.11.6 New Brunswick

In NB, the Project traverses the Restigouche River basin which includes:

- the Little Main Restigouche River sub-basin
- the Saint John River basin including the following sub-basins:
 - the Salmon River
 - Tobique River
 - Nashwaak River
 - Belleisle Creek
 - Jemseg River
 - Kennebecasis River
 - Washademoak Creek
 - Grand Bay
- the Miramichi River basin including the Southwest Miramichi River sub-basin

- the Inner Bay of Fundy Basin including the Mispic River

The Project route will cross over 300 watercourses ranging from ephemeral streams to perennial watercourses. See Table 1-11 for a list of major river crossings in NB.

1.11.1 Fish and Fish Habitat

The following section provides a summary of information on fisheries resources (fish and fish habitat) that may be encountered by the Project across Canada. Fisheries values vary substantially by province, ranging from recreational to commercially important. The focus on fish and fish habitat will be guided by recent changes to the *Fisheries Act*, fisheries that have aboriginal, recreational, and/or commercial value, and provincially or federally designated aquatic species at risk.

Alberta

Fishing near the Project is limited to sport fishing (versus commercial fisheries) because of the lack of sizeable water bodies. Many Prairie potholes and irrigation reservoirs are stocked with trout annually but winterkill rates are high because of shallow water depths.

Sport fishing also takes place in the creeks and along the Red Deer and South Saskatchewan Rivers. The Red Deer and South Saskatchewan Rivers support variety of sport fish (ESRD 2012), including lake sturgeon. Lake sturgeon is listed as endangered under the Alberta *Wildlife Act*.

Saskatchewan

The Project traverses the southern fish management zone within SK (Government of Saskatchewan 2013b). Fishing near the Project is limited to sport fishing (versus commercial fisheries) because of the lack of sizeable water bodies.

Sport fishing takes place in the South Saskatchewan, Qu'Appelle, and Souris rivers, and Pipestone Creek. There are no *Species at Risk Act* (SARA) or provincially listed fish species potentially encountered in watercourses crossed by the Project through SK.

Manitoba

The Project intersects the southern fishing division within MB. Fishing near the Project includes sport fishing and commercial fishing in the larger lakes. High valued species includes:

- crappies
- lake trout
- sturgeon
- cisco

- walleye
- northern pike

There are no lakes used for commercial fisheries crossed by the Project. The Mapleleaf mussel is considered threatened under SARA, and is known to occur in the Red River and Assiniboine River.

Ontario

Sport fishing occurs throughout the Project area. Sport fishing seasons occur for the following species:

- walleye/sauger
- largemouth and smallmouth bass
- northern pike
- muskellunge
- lake trout

No open fishing season exists for lake sturgeon, American eel and Atlantic salmon. There are no known SARA listed fish species potentially affected by the Project in ON.

Québec

Sport fishing is widely practiced year round in the watercourses crossed by the Project, including for the following species:

- Atlantic salmon
- brook trout
- pike
- walleye
- rainbow trout
- yellow perch

Along the Project route, the presence of the Atlantic salmon is limited to the Jacques-Cartier River, the Ouelle River and its main tributary, La Grande Rivière River (MDDEFP, 2013b). Salmon fishing is, however, prohibited in the Jacques-Cartier River.

American eel commercial fishing is practiced in the St. Lawrence River, mainly in St. Pierre Lake and nearing Kamouraska, but it has decreased due to declining stocks (MRC de Kamouraska, 2013; CRÉ Mauricie, 2011).

There is the potential for SARA listed or provincially listed fish species to frequent some of the watercourses crossed by the Project. Fish and fish habitat surveys to be completed for the Project will confirm the presence of SARA listed or provincially listed species.

New Brunswick

The rivers of NB provide important habitat for several sport fish including:

- Atlantic salmon
- brook trout
- brown trout
- lake trout
- arctic char
- small mouth bass

The Project route crosses through freshwater and tidally influenced aquatic habitats. Typically, diadromous fish species are found seasonally in tidally influenced habitats and freshwater fish and varying life stages of diadromous fish are found in freshwater or tidally influenced areas where appropriate conditions permit.

There are no waterbodies crossed by the Project used for commercial fisheries.

Among the species known to occur in the Project area the following, four fish species listed under SARA and NB SARA as endangered or threatened:

- Atlantic salmon
- American eel
- Atlantic sturgeon
- striped bass

Two fish species, two mussel species and one aquatic insect are listed as special concern under SARA. These species are:

- shortnose sturgeon
- rebreast sunfish
- brook floater mussel
- yellow lamp mussel
- pygmy snaketail insect

Fish and fish habitat surveys will be completed for the Project to confirm the presence of SARA listed or provincially listed species.

1.11.2 Marine Environment

This section provides a summary of the potential marine fish and marine and coastal wildlife species at risk and species of conservation concern that may be found in the vicinity of the two proposed marine terminals in QC and NB, respectively.

Québec

Marine Fish and Fish Habitat

The Cacouna marine terminal is located at the confluence of the Upper & Lower St. Lawrence Estuary at Gros Cacouna, in proximity to the Saguenay River mouth. In the

St. Lawrence estuary species distribution varies according to salinity and depth of water, some species return to fresh water to spawn (Atlantic salmon, rainbow smelt).

The Project area is not considered an important marine fisheries area. The most landed species in the Gaspé and North Shore areas are as follows (DFO, 2007):

- snow crab
- lobster
- shrimp
- pelagic fish

Commercial fisheries in proximity of the Project consist mainly of sea urchins (Port of Cacouna, personal communication, 2013). Among the freshwater, anadromous and catadromous species, species that are commercially fished include:

- rainbow smelt
- american eel
- Atlantic sturgeon
- Atlantic tomcod
- american shad

The Maliseet of Viger are involved in commercial fishing of several species, including:

- northern shrimp
- snow crab
- certain species of groundfish
- sea urchin

The community also owns a snow crab processing plant in Rimouski, QC (Mi'kmaq Maliseet Aboriginal Fisheries Management Association, 2013).

Based on a preliminary desktop review, marine fish species listed on Schedule 1 of the *SARA* or under the *Loi sur les espèces menacées ou vulnérables* [RLRQ, c. E-12.01] that have the potential to be found in the vicinity of the Cacouna marine terminal, are listed in Table 1-2.

Marine Mammals

The St. Lawrence Estuary is a feeding ground of critical importance for many species of marine mammals. Every year, large numbers of cetaceans, including large whales, migrate to the area to feed. The St. Lawrence Estuary is also an important habitat for beluga whales and harbour seals, which inhabit the estuary year round.

Based on a preliminary desktop review, marine mammal species listed on Schedule 1 of the *SARA* or under the *Loi sur les espèces menacées ou vulnérables* that have the potential to be found in the vicinity of the Cacouna marine terminal, are listed in Table 1-3.

Table 1-2: Marine Fish Species with Conservation Status Potentially Found in the Vicinity of Cacouna Marine Terminal

Latin Name	Common Name	Provincial Status	Status under SARA
<i>Alosa sapidissima</i>	American shad	Vulnerable	No status
<i>Morone saxatilis</i>	Striped Bass (St. Lawrence Estuary population)	No status	Extirpated *
<i>Osmerus mordax</i>	Rainbow smelt	Vulnerable	No status
Note *: Species reintroduced in 2002			

Table 1-3: Marine Mammals with Conservation Status Potentially Found in the Vicinity of Cacouna Marine Terminal

Latin Name	Common Name	Provincial Status	Status under SARA
<i>Delphinapterus leucas</i>	Beluga Whale	Threatened	Threatened
<i>Phocoena phocoena</i>	Harbour Porpoise	No status	Threatened
<i>Balaenoptera physalus</i>	Fin Whale	No status	Special Concern
<i>Balaenoptera musculus</i>	Blue Whale	No status	Endangered
<i>Eubalaena glacialis</i>	North Atlantic Right Whale	No status	Endangered

Marine Birds

The Project is located within an Important Bird Area, Marais de Gros-Cacouna, which provides various habitats attracting a wide range of wildlife, include:

- intertidal salt marsh
- coastal high marsh
- mud flats (saline)
- open water
- coastal cliffs
- rocky shores

Based on a preliminary desktop review, marine bird species listed on Schedule 1 of the *SARA* or under the *Loi sur les espèces menacées ou vulnérables* that have the potential to be found in the vicinity of the Cacouna marine terminal, are listed in Table 1-4.

Table 1-4: Marine Bird Species with Conservation Status Potentially Found in the Vicinity of Cacouna Marine Terminal

Latin Name	Common Name	Provincial Status	Status under SARA
<i>Histrionicus histrionicus</i>	Harlequin duck	Vulnerable	Special Concern
<i>Bucephala islandica</i>	Barrow's goldeneye	Vulnerable	Special Concern
<i>Ixobrychus exilis</i>	Least Bittern	Vulnerable	Threatened
<i>Coturnicops noveboracensis</i>	Yellow rail	Threatened	Special Concern
<i>Asio flammeus</i>	Short-eared owl	No status	Special Concern
<i>Haliaeetus leucocephalus</i>	Bald eagle	Vulnerable	No status
<i>Falco peregrinus anatum</i>	Peregrine falcon	Vulnerable	Special Concern

New Brunswick

Marine Fish

The Saint John marine terminal is located in the outer Saint John Harbour in the Bay of Fundy. The commercial fishery in the vicinity of the Saint John marine terminal (in the Saint John harbour) is largely dominated by the lobster fishery and to a lesser extent the scallop fishery. Commercial fishing licences are issued for several other species including:

- groundfish
- herring
- mackerel
- shad
- gaspereau
- sturgeon
- american eel
- rockweed and green sea urchin

However, these other species currently contribute to a lesser degree to the total financial value of local commercial fisheries than the lobster and scallop fisheries.

There is some Aboriginal commercial fishing activity in the vicinity of the Saint John marine terminal, mostly involving lobster and scallop fishing. Local Aboriginal communities that hold licenses to fish in the Bay of Fundy and the Saint John River include:

- Kingsclear First Nation – lobster
- Oromocto First Nation – lobster, shad, gaspereau, sturgeon, and eel
- Saint Mary's First Nation – lobster, scallop, groundfish, shad, gaspereau, and eel
- Woodstock First Nation – lobster, scallop, gaspereau, and eel

Aboriginal persons living outside Aboriginal communities also have fishing rights and could have vessels in waters near the Saint John marine terminal as well.

There are no known recreational fisheries in the vicinity of the Saint John marine terminal.

Based on a preliminary desktop review, wildlife species listed on Schedule 1 of the *SARA* or in Schedule A of the NB *SARA* that have the potential to be found in the Bay of Fundy and in the vicinity of the Saint John marine terminal, are listed in Tables 1-5 and 1-6, respectively.

Table 1-5: Marine Fish Species with Conservation Status Potentially Found in the Bay of Fundy

Latin Name	Common Name	Status under <i>SARA</i>	Status under New Brunswick <i>SARA</i>
<i>Carcharodon carcharias</i>	White Shark (Atlantic Population)	Endangered, Schedule 1	-

Table 1-6: Marine Fish Species with Conservation Status Potentially Found in Vicinity of the Saint John Marine Terminal

Latin Name	Common Name	Status under <i>SARA</i>	Status under New Brunswick <i>SARA</i>
<i>Salmo salar</i>	Inner Bay of Fundy Atlantic Salmon	Endangered, Schedule 1	-
<i>Acipenser brevirostrum</i>	Storfnose Sturgeon	Special Concern, Schedule 1	-
<i>Anarhichas lupus</i>	Atlantic Wolffish	Special Concern, Schedule 1	-

Marine Mammals

Marine mammals have high ecological and socio-economic importance in the Bay of Fundy; they represent key components of the marine food web and provide a focus for ecotourism activities.

Based on a preliminary desktop review, marine wildlife species listed on Schedule 1 of the *SARA* or in Schedule A of the NB *SARA* that have the potential to be found in the Bay of Fundy and in the vicinity of the Saint John marine terminal, are listed in Table 1-7 and Table 1-8, respectively.

Table 1-7: Marine Mammal Species with Conservation Status Potentially Found in the Bay of Fundy

Latin Name	Common Name	Provincial Status	Status under SARA
<i>Balaenoptera physalus</i>	Fin whale	Special Concern	Special Concern
<i>Phocoena phocoena</i>	Harbour porpoise	Special Concern	Special Concern
<i>Eubalaena glacialis</i>	North Atlantic right whale	Endangered	Endangered
<i>Balaenoptera musculus</i>	Blue whale	Endangered	Endangered
<i>Hyperoodon ampullatus</i>	Northern bottlenose whale	n/a	Endangered
<i>Dermochelys coriacea</i>	Leatherback sea turtle	Endangered	Endangered
<i>Caretta caretta</i>	Loggerhead sea turtle	Endangered	-

Table 1-8: Marine Mammal Species with Conservation Status Potentially Found in the Vicinity of the Saint John Marine Terminal

Latin Name	Common Name	Provincial Status	Status under SARA
<i>Balaenoptera physalus</i>	Fin whale	Special Concern	Special Concern
<i>Phocoena phocoena</i>	Harbour porpoise	Special Concern	Special Concern

Marine Birds

There is suitable habitat for many species of migratory and non-migratory birds in vicinity of the Project. The Bay of Fundy is an essential migration route for a large number of coastal shorebirds and many scoters and other sea ducks.

Based on a preliminary desktop review, marine wildlife species listed on Schedule 1 of the SARA or in Schedule A of the NB SARA that have the potential to be found in the vicinity of the Canaport Energy East marine terminal, are listed in Table 1-9.

Table 1-9: Marine Bird Species with Conservation Status Potentially Found in the Vicinity of the Saint John Marine Terminal

Latin Name	Common Name	Provincial Status	Status Under SARA
<i>Anas acuta</i>	Northern Pintail	Sensitive	-
<i>Aythya marila</i>	Greater Scaup	Secure	-
<i>Histrionicus histrionicus</i>	Harlequin Duck	At Risk	Special Concern
<i>Melanitta nigra</i>	Black Scoter	Sensitive	-
<i>Bucephala islandica</i>	Barrow's Goldeneye	Sensitive	Special Concern
<i>Falco peregrinus</i>	Peregrine Falcon	At Risk	Special Concern
<i>Haliaeetus leucocephalus</i>	Bald Eagle	At Risk	-

1.11.3 Navigable Waters

Some navigable waters might be affected by trenched pipeline crossing methods, the installation of portable bridges and other temporary works. Many of the watercourses and water bodies that will be crossed by the Energy East Pipeline are anticipated to be seasonal or too small to support navigation, including for recreational purposes.

The NEB considers navigability and is responsible for granting leave under Section 108 of the NEB Act for NEB-regulated projects.

Table 1-10 includes the list of potential watercourse crossings for the Project listed in the Proposed List of Scheduled Waters under the *Navigation Protection Act*. There are no scheduled waters crossed by the Project in NB.

Table 1-10: Watercourse Crossings Listed Under Schedule Waters Part 1 and 2 of Bill C-45

Portion of Project ¹	Watercourse Name	Latitude/Longitude Location		Crossing Method	Bill C-45 Schedule
		Latitude	Longitude		
Alberta					
	South Saskatchewan River	50° 40' 47.4636"	-110° 7' 52.752"	Trenchless	2
Manitoba					
	Assiniboine River	49° 53' 41.8524"	-98° 23' 37.932"	Open cut	2
Ontario					
	Rideau River	45° 5' 59.4708"	-75° 37' 12.616"	Trenchless	2
	Madawaska River	45° 24' 22.5432"	-76° 29' 30.682"	Trenchless	2 (Rideau Canal)
Québec					
	Rivière des Outaouais (Ottawa River)	45° 33' 28.3248"	-74° 22' 3.072"	Trenchless	2
Montréal Lateral	Rivière des Mille Îles (Mille Îles River)	45° 42' 1.8504"	-73° 33' 25.099"	Trenchless	2
	Rivière Saint-Maurice (Saint Maurice River)	46° 24' 56.5992"	-72° 40' 57.86"	Trenchless	2
	Fleuve Saint-Laurent (Saint Lawrence River)	46° 42' 32.688"	-71° 28' 48.385"	Trenchless	2
	Rivière des Prairies (Prairies River)	45° 41' 20.5224"	-73° 32' 20.324"	Trenchless	2

1.11.4 Watercourse Crossing Methodology

Table 1-11 provides preliminary watercourse crossing locations and documented fish presence for the major watercourses traversed by the Energy East Pipeline. Preliminary pipeline and vehicle access crossing methods are also provided for some watercourse crossings based on initial constructability assessments. Additional engineering and environmental work is required before pipeline and vehicle crossing methods can be determined for most of the crossings listed in Table 1-11.

Energy East selects crossing locations and techniques by using industry accepted design and installation practices, reflecting site-specific assessments and applicable “Measures to Avoid Harm” (formerly Fisheries and Oceans Canada’s Operational Statements).

The crossing locations and methods listed in Table 1-11 will be updated as design and construction planning progresses to reflect, among other things:

- geotechnical conditions, including potential for acid rock drainage
- environmental field assessments
- consultation with regulatory agencies
- field conditions during construction

The following figures show preliminary locations for some of the main watercourse crossings for the Project:

- Figure 1-8 for Saskatchewan
- Figure 1-9 for Manitoba
- Figure 1-10 for Ontario
- Figure 1-11 for Québec – Lachute to Saint Maurice
- Figure 1-12 for Québec – Saint Maurice to Lévis
- Figure 1-13 for Québec – Lévis to Deglis
- Figure 1-14 for New Brunswick

Table 1-11: Preliminary List of Watercourse Crossings Requiring a Site Specific Design – By Province

Watercourse Name	Preliminary Location ¹		Fish Species of Management Concern Known to Occur Within The Watercourses Listed ³	Preliminary Pipeline Crossing Method ^{1,3}	Preliminary Equipment Crossing Method
	Latitude	Longitude			
Alberta					
Red Deer River	50 ⁰ 52' 57.3204'	-110 ⁰ 26' 56.85"	Walleye,	Trenchless	Move around
South Saskatchewan River	50 ⁰ 40' 47.4636"	-110 ⁰ 7' 52.752"	Lake Sturgeon	Trenchless	Move around

**Table 1-11: Preliminary List of Watercourse Crossings Requiring a Site Specific Design –
By Province (cont'd)**

Watercourse Name	Preliminary Location ¹		Fish Species of Management Concern Known to Occur Within The Watercourses Listed ³	Preliminary Pipeline Crossing Method ^{1,3}	Preliminary Equipment Crossing Method
	Latitude	Longitude			
Saskatchewan and Manitoba – Cromer Lateral					
Niso Creek	50° 6' 16.002"	-101° 26' 38.49"	N/A	Open Cut (if dry or frozen) Isolate if flowing water present	Culvert and fill or clear span bridge
Gopher Creek	49° 55' 47.1936"	-101° 22' 26.699"	N/A	Open Cut (if dry or frozen) Isolate if flowing water present	Culvert and fill or clear span bridge
Manitoba					
Assiniboine River	49° 53' 41.8524"	-98° 23' 37.932"	Mapleleaf mussel and lake sturgeon	Open cut	Move around
Ontario					
Hoasic Creek	44° 56' 33.2736"	-75° 10' 2.464'	N/A	Trenchless	Move around or Clear span bridge
Hoople Creek	45° 0' 44.676'	-75° 0' 18.961"	N/A	Trenchless	Move around
Hoople Creek	45° 0' 54.108"	-74° 59' 54.06"	N/A	Trenchless	Move around or Clear span bridge
Raisin River	45° 8' 53.448"	-74° 41' 51.418"	N/A	Trenchless	Move around
McIntyre Creek	45° 11' 28.3848"	-74° 38' 0.719"	N/A	Trenchless	Move around or Clear span bridge
Rivière Beaudette	45° 15' 45.8892"	-74° 31' 50.822"	N/A	Trenchless	Move around or Clear span bridge
Rivière Delisle	45° 18' 58.5864"	-74° 28' 5.185"	N/A	Trenchless	Move around
East Rigaud River	45° 27' 28.4184"	-74° 25' 7.27"	N/A	Trenchless	Move around or Clear span bridge
Rigaud River	45° 29' 23.6256"	-74° 24' 25.222"	N/A	Trenchless	Move around or Clear span bridge

**Table 1-11: Preliminary List of Watercourse Crossings Requiring a Site Specific Design –
By Province (cont'd)**

Watercourse Name	Preliminary Location ¹		Fish Species of Management Concern Known to Occur Within The Watercourses Listed ³	Preliminary Pipeline Crossing Method ^{1,3}	Preliminary Equipment Crossing Method
	Latitude	Longitude			
Ontario (cont'd)					
Rideau River	45° 5' 59.4708"	-75° 37' 12.616"	N/A	Trenchless	Move around
Madawaska River	45° 24' 22.5432"	-76° 29' 30.682"	N/A	Trenchless	Move around
Québec					
Rivière des Outaouais	45° 33' 28.3248"	-74° 22' 3.072"	american shad, rock bass, Northern pike, muskellunge, mooneye, channel catfish, white perch, sauger, walleye	Trenchless	Move around
Rivière du Nord	45° 34' 43.8852"	-74° 21' 4.313"	smallmouth bass, channel catfish, rock bass, muskellunge, northern pike, freshwater drum, walleye	Trenchless	Move around
Rivière L'Assomption	45° 48' 14.706"	-73° 26' 6.655"	rock bass, channel catfish, white perch,	Trenchless	Move around
Rivière Bayonne	46° 5' 44.1708"	-73° 11' 47.101"	channel catfish, white perch, sauger	Trenchless	Move around
Rivière Chicot	46° 7' 34.0134"	-73° 10' 20.251"	N/A	Trenchless	Move around
Rivière des Mille Îles	45° 42' 1.8504"	-73° 33' 25.099"	N/A	Trenchless	Move around
Rivière des Prairies	45° 41' 20.5224"	-73° 32' 20.324"	N/A	Trenchless	Move around
Rivière des Prairies	45° 40' 56.9064"	-73° 32' 3.052"	N/A	Trenchless	Move around
Rivière Maskingongé	46° 14' 1.5972"	-73° 1' 16.302"	N/A	Trenchless	Move around
Rivière du Loup	46° 16' 41.2674"	-72° 53' 46.7154"	stonecat, walleye, sauger, mooneye	Trenchless	Move around if trenchless / culvert and fill if isolated or open cut

**Table 1-11: Preliminary List of Watercourse Crossings Requiring a Site Specific Design –
By Province (cont'd)**

Watercourse Name	Preliminary Location ¹		Fish Species of Management Concern Known to Occur Within The Watercourses Listed ³	Preliminary Pipeline Crossing Method ^{1,3}	Preliminary Equipment Crossing Method
	Latitude	Longitude			
Québec (cont'd)					
Rivière Saint-Maurice	46° 24' 56.5992"	-72° 40' 57.86"	smallmouth bass, rock bass, channel catfish	Trenchless	Move around
Rivière Batiscan	46° 31' 11.586"	-72° 17' 6.518"	N/A	Trenchless	Move around
Rivière Sainte-Anne	46° 34' 55.7616"	-72° 13' 25.234"	N/A	Trenchless	Move around
Rivière Portneuf	46° 42' 3.8772"	-71° 53' 2.533"	N/A	Trenchless	Move around
Rivière Jacques-Cartier	46° 41' 16.1844"	-71° 44' 33.529"	N/A	Trenchless	Move around
Fleuve Saint-Laurent	46° 42' 32.688"	-71° 28' 48.385"	N/A	Trenchless	Move around
Rivière Beauvillage	46° 38' 1.882'	-71° 20' 52.7712"	N/A	Trenchless	Move around
Rivière Chaudière	46° 38' 43.5516"	-77° 14' 33.259"	N/A	Trenchless	Move around
Rivière Etchemin	46° 43' 26.4504"	-71° 7' 58.872"	N/A	Trenchless	Move around
Rivière Ouelle	47° 15' 46.0152"	-69° 57' 52.481"	N/A	Trenchless	Move around
La Grande Rivière	47° 17' 56.31"	-69° 54' 5.04"	N/A	Trenchless	Move around
Rivière Madawasca	47° 30' 26.028"	-68° 30' 48.071"	N/A	Trenchless	Move around
New Brunswick					
Salmon River	46° 8' 29.8716"	-65° 56' 23.406"	Atlantic salmon, smallmouth bass	Trenchless	None; move around
Coal Creek	46° 6' 6.8436"	-65° 50' 50.968"	Atlantic salmon, brook trout, smallmouth bass	Trenchless	Move around
Canaan River	45° 55' 45.7428"	-65° 46' 25.198"	American eel, smallmouth bass, shortnosed sturgeon (Connell pers. comm. 2013); rainbow trout (Carr and Felice 2006)	Trenchless	None; move around

**Table 1-11: Preliminary List of Watercourse Crossings Requiring a Site Specific Design –
By Province (cont'd)**

Watercourse Name	Preliminary Location ¹		Fish Species of Management Concern Known to Occur Within The Watercourses Listed ³	Preliminary Pipeline Crossing Method ^{1,3}	Preliminary Equipment Crossing Method
	Latitude	Longitude			
New Brunswick (cont'd)					
Long Creek	45 ⁰ 53' 6.954"	-65 ⁰ 46' 39.695"	American eelshortnosed sturgeon (Connell pers. comm. 2013)	Trenchless	Move around or clear span
Long Creek, Tributary	45 ⁰ 53' 3.606"	-65 ⁰ 46' 41.603"	American eel, smallmouth bassshortnose sturgeon (Connell pers. comm. 2013)	Trenchless	Move around or clear span
Belleisle Creek	45 ⁰ 40' 52.7124"	-65 ⁰ 47'14.057"	Atlantic salmon American eel, sea lamprey, common shiner, lake chub (Francis 1980, CRI 2011); shortnosed sturgeon (NOAA 1998); brook trout (CRI 2011); rainbow trout (Carr and Felice 2006)	Trenchless	Move around
Kennebecasis River	45 ⁰ 34' 38.874"	-65 ⁰ 45' 59.9"	Atlantic salmon, brook trout, American eel, rainbow trout (Carr and Felice 2006); striped bass (N.B. Watersheds Env. Reporting Series 2007);	Trenchless	Move around or clear span
Little Teague Brook	46 ⁰ 36' 49.0392"	-67 ⁰ 17' 58.787"	Atlantic salmon (MSA 2007-2011)	Trenchless	Move around
S Br SW Miramichi River	46 ⁰ 33' 53.6112"	-67 ⁰ 16' 28.492"	Atlantic salmon (Moore and Chaput 2007, MSA 2007-2011); brook trout (MSA 2007-2011)	Trenchless	Move around or clear span

**Table 1-11: Preliminary List of Watercourse Crossings Requiring a Site Specific Design –
By Province (cont'd)**

Watercourse Name	Preliminary Location ¹		Fish Species of Management Concern Known to Occur Within The Watercourses Listed ³	Preliminary Pipeline Crossing Method ^{1,3}	Preliminary Equipment Crossing Method
	Latitude	Longitude			
New Brunswick (cont'd)					
Cains River	46 ⁰ 16' 18.5628"	-66 ⁰ 19' 1.945"	Atlantic salmon (Moore and Chaput 2007, MSA 2007-2011); brook trout (MSA 2007-2011), sea-run brook trout (NBDNR 2013)	Trenchless	Move around or clear span
<p>Note:</p> <ol style="list-style-type: none"> 1. The pipeline crossing locations in this table are preliminary and based on constructability considerations. Final locations, as well as the crossing method and timing, will be subject to engineering and environmental site evaluations, geotechnical assessments, Aboriginal, landowner and stakeholder engagement, land acquisition and consultation with regulatory authorities. 2. Species of management concern include SARA listed species and Provincially listed species. 3. Preliminary crossing methods recommendations are based on an assumption that in-stream work will be completed within the appropriate timing windows for instream work. 					

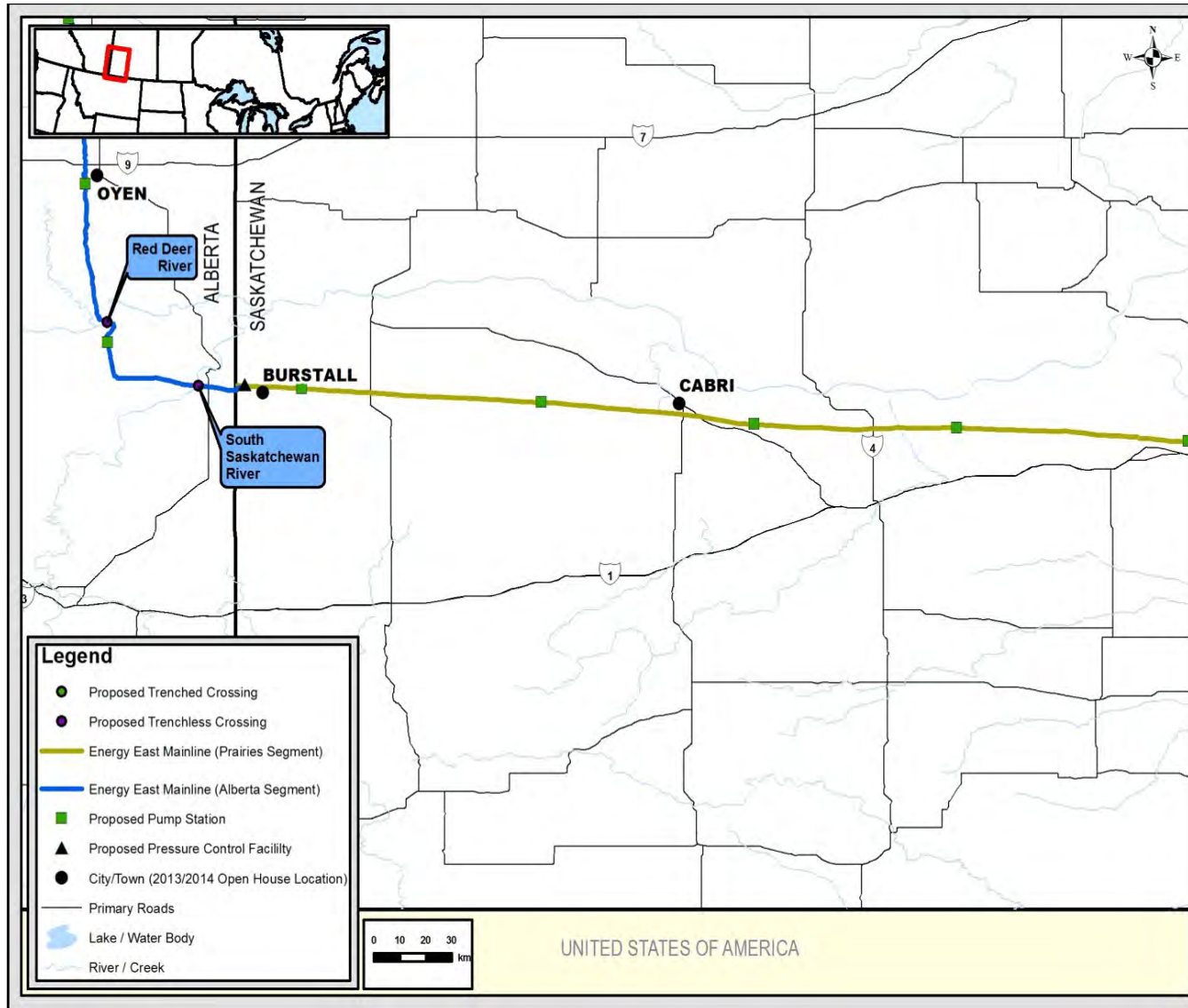


Figure 1-8: Watercourse Crossings – Alberta

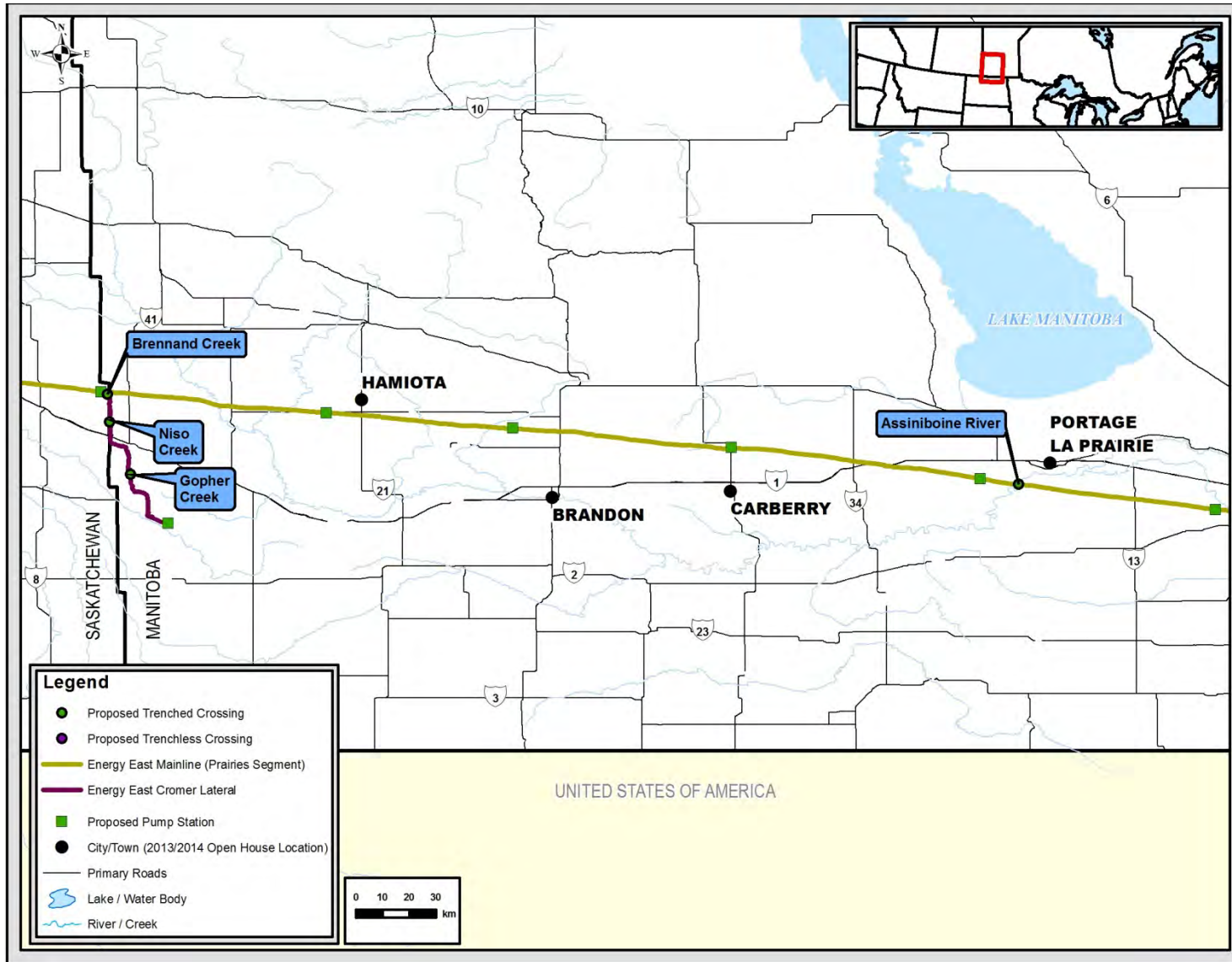


Figure 1-9: Watercourse Crossings – Manitoba

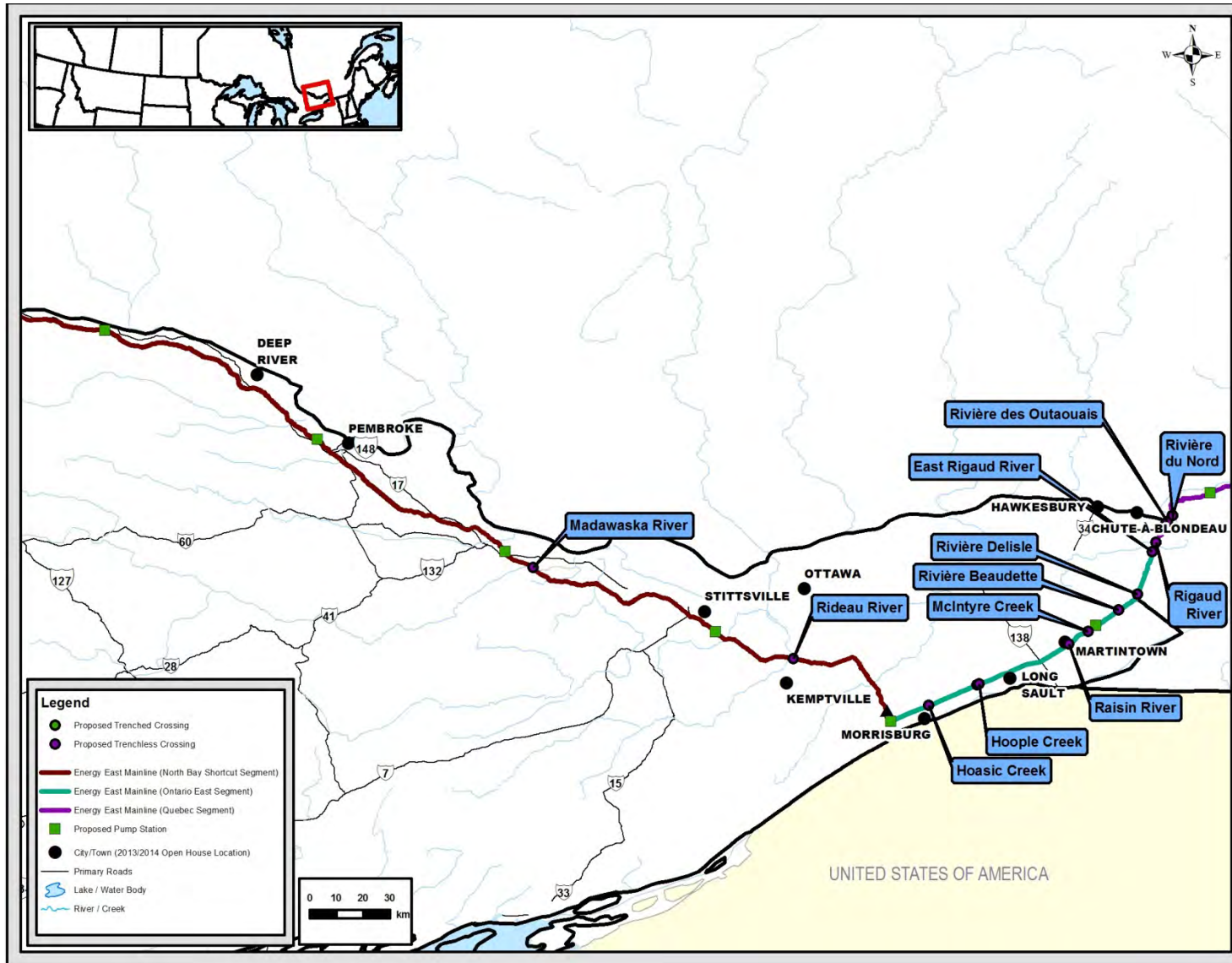


Figure 1-10: Watercourse Crossings – Ontario (North Bay Shortcut and Ontario East Segments)

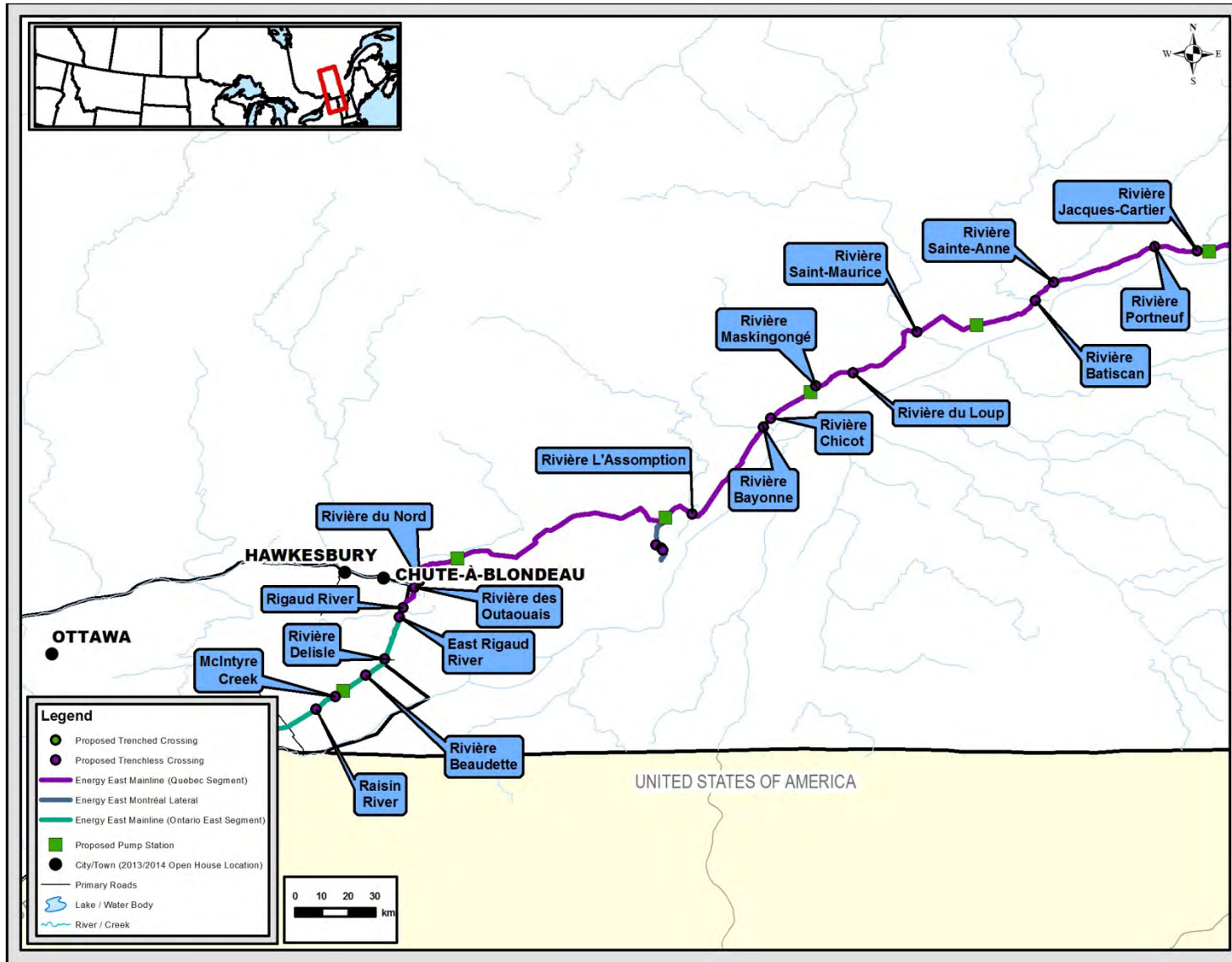


Figure 1-11: Watercourse Crossings – Québec – Lachute to Saint Maurice

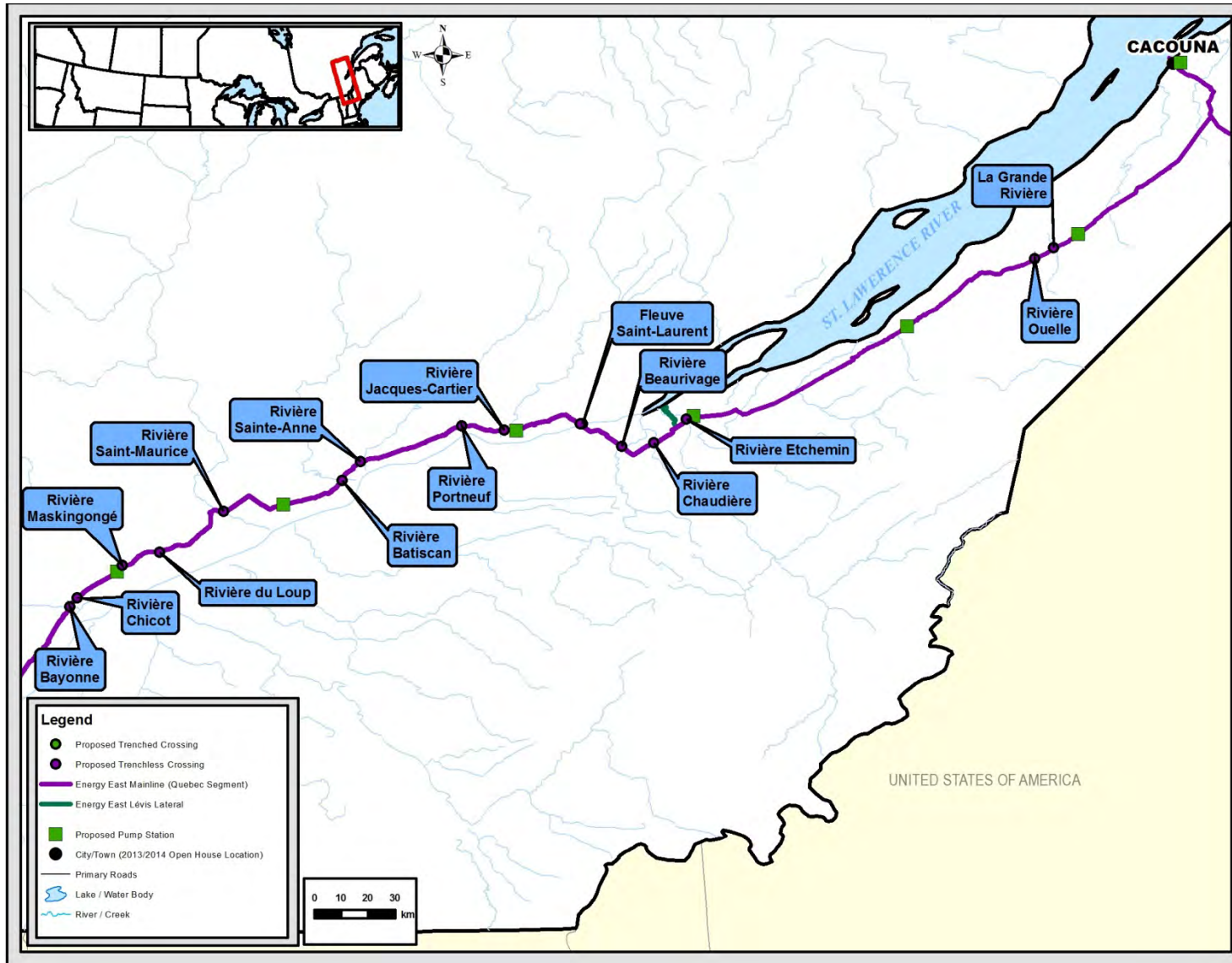


Figure 1-12: Watercourse Crossings – Québec – Saint Maurice to Lévis

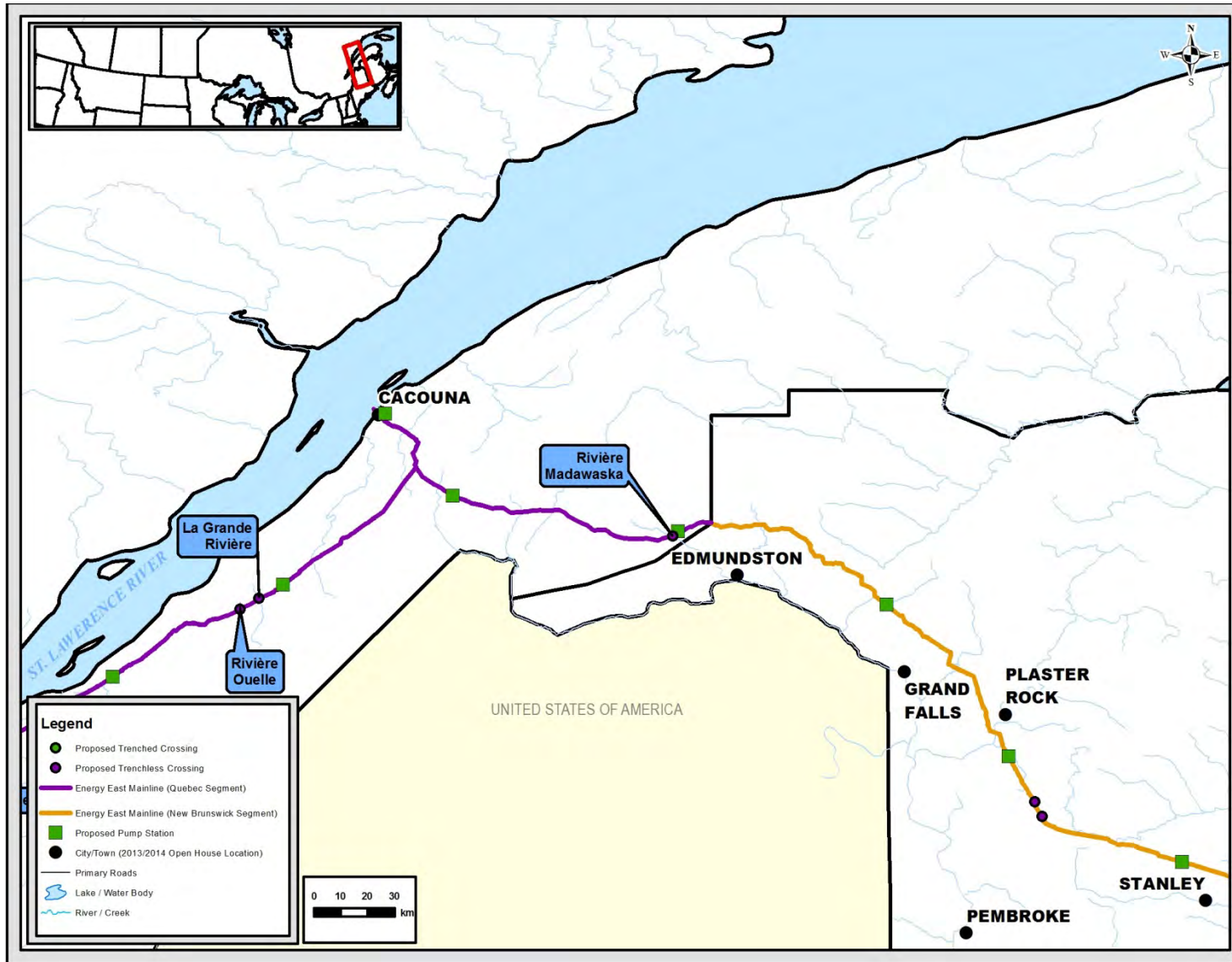


Figure 1-13: Watercourse Crossings – Québec – Lévis to Deglis

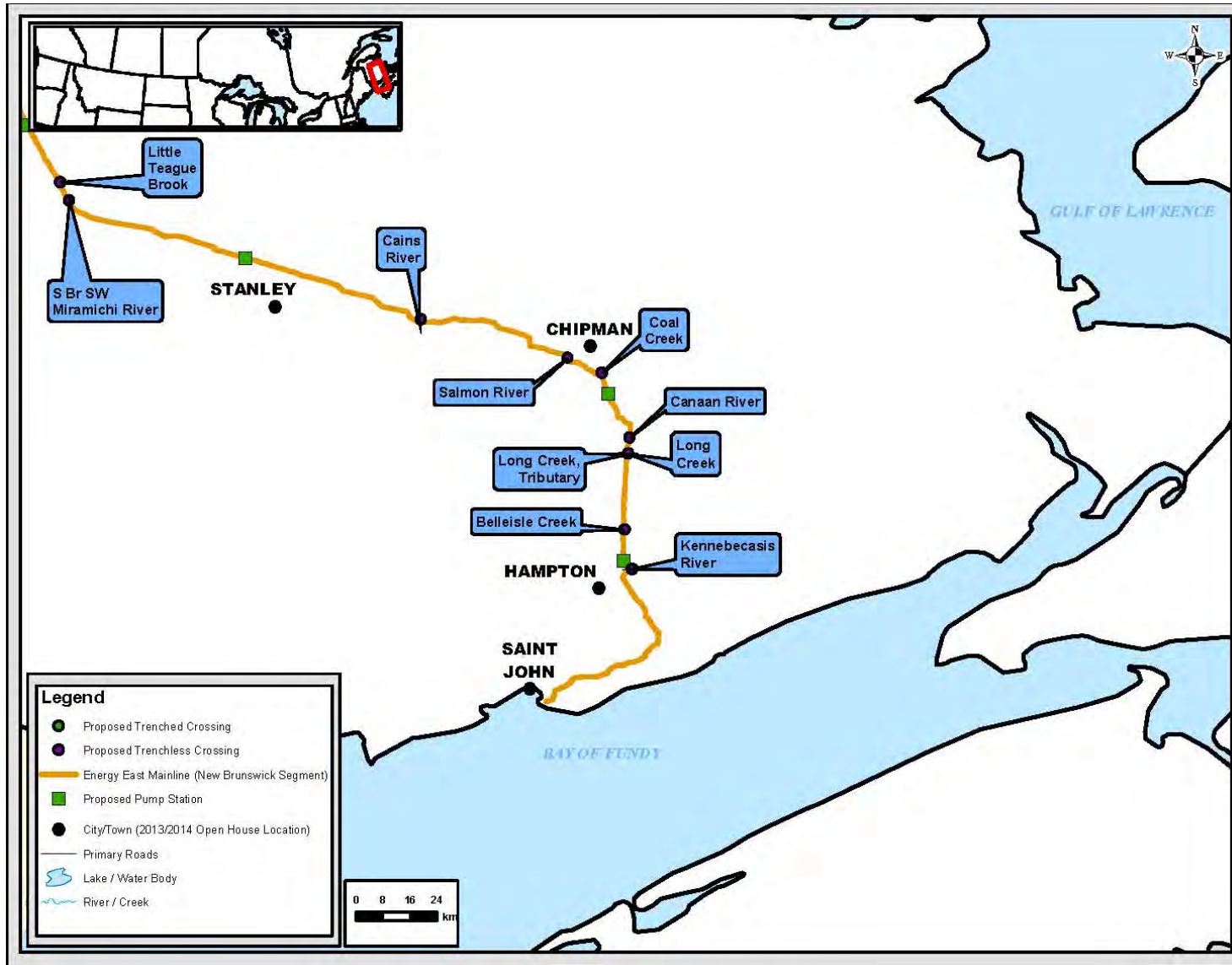


Figure 1-14: Watercourse Crossings – New Brunswick

1.11.5 Wetlands

The Project passes in close proximity to a number of lakes and wetlands across Canada. Effort has been made to avoid open water wetlands in the pipeline routing however, smaller ephemeral, semi-permanent and permanent wetlands, including saline wetlands and alkali flats are present throughout the routing area and not all of them can be practically avoided by the pipeline route.

Studies will be conducted to assist in reducing the number of directly and indirectly impacted wetlands, and will be used to develop suitable mitigation measures where avoidance is not possible.

All wetlands crossed by, and in the vicinity of, the Project will be assessed, boundaries delineated, and classified according to the Canadian Wetland Classification System. In addition, wetlands are also being classified according to provincially accepted classification systems including (Stewart and Kantrud 1971):

- AB, SK, and MB
- Ontario Wetland Evaluation System (OWES)
- Ontario Ministry of Natural Resources 2013

Alberta

In AB, the Project crosses 245 wetlands covering 47.1 ha which are designated as provincially significant. These include:

- 190 seasonal wetlands (Class III, 33.4 ha)
- 47 semi-permanent wetlands (Class IV, 10.3 ha)
- four permanent wetlands (Class V, 0.8 ha)
- four alkali wetlands (Class VI, 2.6 ha).

Saskatchewan

In SK, the Project crosses nine wetlands covering 13.86 ha that are designated as provincially significant. These include:

- two seasonal wetlands (1.0 ha)
- five semi-permanent wetlands (9.61 ha)
- two permanent wetlands (3.25 ha)

Manitoba

In MB, the Project crosses 143 wetlands covering 15.94 ha that are designated as provincially significant. These include:

- 85 seasonal wetlands (6.34 ha)
- 51 semi-permanent wetlands (8.07 ha)
- six permanent wetlands (1.32 ha)
- one alkali wetland (0.21 ha)

Ontario

In ON, three wetland areas crossed by the Project have been designated as provincially significant. These include:

- 0.3 ha area of the Delisle River
- Froatburn Swamp (8.3 ha)
- Glen Becker Swamp (5.6 ha)
- 1.2 ha of Hosaic Creek
- Ingleside (4.2 ha)

Québec

In QC, wetlands have high environmental and socio-economic value and are regulated provincially by the MDDEFP. Preliminary estimates suggest that approximately 35 km of wetlands will be crossed in QC by the Project route.

New Brunswick

Although the majority of wetlands affected by the Project are varieties of treed swamp, there will also be shrub swamps, fens, bogs, and marshes affected. A preliminary estimate suggests that approximately 60 km of wetlands will be crossed by the Project route.

1.12 TERRESTRIAL ENVIRONMENT

1.12.1 Soils

Field programs are being conducted to characterize soil resources along the Project route and support the development of project-specific soil handling procedures.

Alberta

The Project traverses the Thin Black Soil Zone of east-central AB, the Dark Brown Soil Zone of southeast-central AB, and the Brown Soil Zone of southeastern Alberta (Pedocan 1993). Soils of the Thin Black Soil Zone are mainly Black Chernozems, although local occurrences of Solonetzic soils are common.

Soils of the Dark Brown Soil Zone are mainly Dark Brown Chernozems, which reflect this area's generally warmer temperatures and lower annual precipitation. Solonetzic soils may be found in localized areas. The Brown Soil Zone, which is situated in the warmest, driest part of the province, is characterized by Brown Chernozems, but Solonetzic and other salt-affected soils occupy significant areas.

Saskatchewan

Soils along the Project route include Brown Soils, Dark Brown Soils and Black Soils.

Brown Soils characterized by light-brown to grey-brown surface horizons, representative of an area that frequently experiences drought and has no trees.

Dark Brown Soils contain higher organic matter than Brown Soils, resulting in a richer, darker colour. Dark Brown Soils are considered transitional between Brown and Black soil zones.

Black Soils contain more moisture, resulting in their dark colour and relatively abundant vegetation cover (Mitchell et al. 1987).

The Cromer Lateral will overlay the Black soil zone, mostly comprised of Oxbow soils that have developed on undifferentiated glacial-till deposits. The surface texture of these soils is loamy with an undulating surface form.

Manitoba

The MB portion of the Project predominantly passes through Chernozemic soils which are characterized by a generally thick surface horizon rich in organic matter. Well-drained, loamy Black Chernozems of the Newdale Association are dominant in the west (west of the Manitoba Escarpment), with predominantly sandy materials found on the glaciofluvial and glaciolacustrine deposits of the Assiniboine Delta. Well-drained, loamy Black Chernozems and clayey, Humic Vertisols, Black Chernozems and Gleysols are dominant in the central Lake Manitoba Plain region.

Imperfectly drained, clayey, Gleyed Humic Vertisols and Gleyed Black Chernozems are dominant in the central-eastern Red River Plain. Brunisols and Humic Ferric Podzols are dominant in the Boreal Shield in the east (Ehrlich et al. 1956; Smith et al. 1998).

Ontario

The Project traverses forested soils of northern and central ON, and agricultural soils of eastern ON.

The Ontario West, Northern Ontario and North Bay Shortcut segments traverse mostly forested soils, dominated by Brunisols in the west on the Boreal Shield, Organic soils and Gleysols in the central area and Luvisols and Podzols in the east (Baldwin et al. 2000). Along the Ontario East segment Brunisols and Gleysols are dominant, with minor portions of Luvisols and Organic soils.

The forested Brunisol soils typically have a litter layer composed of leaves and woody debris at the surface, and thin topsoil. Luvisols and Podzols are forest soils that also typically have a litter layer at the surface, with light-coloured, grayish horizons at the surface.

The Brunisols, Gleysols and Luvisols of the Ontario East segment are cultivated, and is light brown to gray brown in color. Gleysol topsoils are typically darker due to the

poor drainage and higher moisture levels. Organic soils are very poorly drained soils developed on accumulated organic materials. Organic materials can be quite thick and exceed trench depth.

Québec

According to the Canadian System of Soil Classification (CSSC), the main orders of soil found within the Project area include (Lamontagne and Nolin, 1997):

- Gleysol
- Brunisol
- Podzol
- Regosol
- Organic

Gleysol is dominant and widely distributed in the St. Lawrence Lowlands. Brunisol, podzol and organic soils (fibrisol and mesisol) are also present. The soils in the St. Lawrence Lowlands are documented to be the most fertile in QC for agriculture. In the Appalachians, podzol is the most common order found in the foothills. Organic soils (fibrisol) and gleysol are found in hollows while regosol develops on rocks.

New Brunswick

Soils within the NB portion of the Project have developed on a range of parent materials including (Agriculture and Agri-Food Canada 2013):

- till
- alluvial/fluvial deposits
- lacustrine
- residuum
- colluvium
- mafic volcanic
- organic deposits

Podzolic, Regosolic and Gleysolic are the most common soil orders traversed by the Project. The depth of the soil profile (depth to parent material) is highly variable along the pipeline route. Glaciofluvial and alluvial deposits consisting of sand and gravel are anticipated at and near water crossings. Localized deposits of organic sediments up to 5 m in thickness may occur north of Grand Lake (Rampton 1984). As in most of Atlantic Canada, soil productivity is limited by a cool Maritime climate characterized by low heat units and a short growing season.

1.12.2 Vegetation

Vegetation surveys are being conducted to identify any sites that support SARA listed species or species and communities of conservation concern that might be

directly or indirectly affected by the Project, and to identify any other potential impacts to vegetation resources.

Alberta

The Project crosses two of AB's natural regions and three natural subregions:

- Central Parkland Natural subregion of the Parkland Natural Region
- Northern Fescue
- Dry Mixedgrass Subregions of the Grassland Natural Region

The Project passes through areas with known occurrences, and designated as Critical Habitat, of plant species listed under Schedule 1 of SARA. These species include slender mouse-ear-cress and tiny cryptantha which have been recorded between the Red Deer and South Saskatchewan rivers. The Project has been routed to avoid known occurrences of these species, to the extent practicable. One known occurrence may still be affected by the Project.

Other plants with historical records or potential habitat in the Project area in AB that are listed under Schedule 1 of SARA include small-flowered sand verbena and smooth goosefoot. A number of provincially listed species which are of special status but are not legally protected also occur along the Project route.

Saskatchewan

The Project crosses three natural ecoregions in SK including:

- Aspen Parkland
- Moist Mixed Grassland
- Mixed Grassland

Although the natural features vary throughout the length of the Project in SK, the predominant land use is agricultural.

Vascular plant species listed under Schedule 1 of SARA or as endangered under the Saskatchewan *Wildlife Act* that have potential to interact with the Project include:

- small-flowered sand-verbena
- tiny criptanthe
- slender mouse-ear-cress
- hairy prairie-clover (*Dalea villosa* var. *villosa*)
- western spiderwort (*Tradescantia occidentalis*).

Manitoba

The western MB portion of the Prairie segment is located primarily in the Prairies ecozone, consisting of Aspen Parkland and Lake Manitoba Plain ecoregions. The central MB portion is located in the Boreal Plains ecozone and Interlake Plain

ecoregion. The eastern MB portion is located in the Boreal Shield ecozone and Lake of the Woods ecoregion. The Cromer Lateral occurs exclusively over the Prairies ecozone.

Vascular plant species listed under Schedule 1 of SARA or as endangered under the provincial *Endangered Species Act* with historical records or potential habitat in the Project area in MB include:

- rough purple false foxglove
- gattinger's agalinis
- buffalo grass
- smooth goosefoot
- small white lady's slipper
- western prairie fringed orchid
- Riddell's goldenrod
- Great Plains ladies' tresses
- western silvery aster
- western spiderwort
- western ironweed

Ontario

The Project is located within six natural ecoregions in ON including:

- Lake Simcoe-Rideau
- Georgian Bay
- Lake Temagami
- Lake Abitibi
- Lake Nipigon
- Lake Wabigoon

The pipeline route crosses a mixture of native vegetation (e.g., woodlands, swamps and marshes) and anthropogenic land uses (e.g., agricultural, residential and industrial). The predominant land use along the Ontario East segment is agriculture, interspersed with wetlands and forests. Through the Ontario West, Northern Ontario and North Bay Shortcut segments, the predominant land cover is forest.

Vascular plant species listed under Schedule 1 of SARA Schedule 1 or as endangered under the provincial *Endangered Species Act* that have potential to interact with the Project include:

- forked-tip three-awned grass
- small white lady's slipper
- prairie fringed orchid
- butternut
- American ginseng
- Riddell's goldenrod

- showy goldenrod
- western silvery aster
- deerberry
- blunt-leaved woodsia

Québec

The Project traverses four ecoregions through QC:

- St. Lawrence Lowlands
- Appalachians
- Northern New Brunswick Highlands
- Southern Laurentians

The Project is confined to southwestern QC which is dominated by sugar maple, butternut, and hickory species. Its forests are highly diversified and contain some species found at the northernmost limit of their range.

Designated *SARA* Schedule 1 listed vascular plants in QC with historical records or potential habitat in the Project area in QC include three endangered species:

- butternut
- false hop sedge
- American ginseng

An additional 30 plants are listed provincially under the provincial *Loi sur les espèces menacées ou vulnérables* as threatened or vulnerable with habitat likely to occur in the Project area.

New Brunswick

The Project through NB is primarily forested with a high proportion of wetland habitat and its composition today reflects a history of timber harvesting and agriculture since the 1700s.

The Project passes through regions with known occurrences of plant species listed under Schedule 1 of *SARA* including:

- butternut
- furbish's lousewort
- anticosti aster

Other Schedule 1 listed or provincially endangered under the provincial *Species at Risk Act* vascular plants with historical records or potential habitat in the Project area in NB include:

- southern twayblade
- prototype quillwort
- pine drops

1.12.3 Wildlife

Table 1-12 provides information on wildlife species with conservation status that could potentially occur in the Project area. The table is summarized below.

Alberta

The Project will cross important wildlife habitat, including:

- native prairie
- aspen parkland
- wetlands
- rivers
- riparian areas

Previous surveys in the general area of the Project recorded presence of protected grassland species and their habitat features including:

- burrowing owl nests
- prairie rattlesnake hibernacula
- rookeries
- ferruginous hawk nests
- northern leopard frog breeding sites
- sharp-tailed grouse leks
- Ord's kangaroo rat colonies

There is suitable habitat for many species of migratory and non-migratory birds along the pipeline route. The route passes through the following Important Bird Areas:

- Cavendish Railline
- eastern boundary of Gooseberry Lake
- within 15 km of the Metiskow Lake
- within 15 km Sunken Lakes
- Sounding Lake

The route also crosses provincially designated critical ungulate winter range for mule and white-tailed deer and pronghorn in the Red Deer River and South Saskatchewan River valleys (ESRD 2013b).

There are 21 species which might occur in the wildlife regional assessment area that are listed federally as endangered (six), threatened (six), or special concern (nine) on Schedule 1 of SARA, comprised of:

- five species of moths and butterflies
- two species of herptiles
- 12 bird species
- two mammal species

There are 15 species which might occur in the wildlife regional assessment area that are listed provincially as endangered (four), threatened (three), special concern (six) or data deficient (two) on the provincial *Wildlife Act*, comprised of:

- one moth species
- two species of herptiles
- 11 bird species
- one mammal species

Saskatchewan

The SK portion of the Prairie segment crosses the geographic ranges of several protected wildlife species, including 24 species listed under Schedule 1 of SARA, comprised of:

- four species of moths and butterflies
- four species of herptiles
- 15 bird species
- one mammal species

Two of the SARA listed bird species are also protected by the provincial *Wildlife Act*.

The Project crosses the Cabri Area and Pelican Lake IBAs and is within 15 km of the Chaplin Lake IBA (Schmutz 2003). It also traverses the Great Sandhills in western SK – a large island of native vegetation and rugged terrain surrounded by intensive agriculture. This nationally and internationally significant area provides suitable habitat for many protected grassland wildlife species. Protected wildlife species recorded in the area in the past include (Great Sandhills Regional Environmental Study 2007):

- Sprague's pipit
- chestnut-collared longspur
- sharp-tailed grouse
- burrowing owl
- common poorwill
- common nighthawk
- ferruginous hawk
- long-billed curlew
- upland sandpiper
- piping plover
- pronghorn
- olive-backed pocket mouse
- Ord's kangaroo rat

In SK and MB, the Cromer Lateral crosses runs important wildlife habitat including native prairie, parkland, wetlands, rivers, and riparian areas. However, the regional assessment area consists predominantly of cultivated crop lands. Previous surveys in

the general area of the Project recorded the presence of protected herptile, bird, and mammal species and their habitat features.

Manitoba

The MB portion of the Prairie segment overlaps the ranges of 28 wildlife species which might occur in the Project area that are listed under Schedule 1 of SARA, comprised of:

- eight species of butterflies and moths
- three species of herptiles
- 17 bird species

There are 27 wildlife species which might occur in the Project area that are listed under the provincial *Endangered Species Act* (2013), comprised of:

- eight species of butterflies and moths
- one herptile species
- 17 bird species
- one mammal species

Three IBAs are located within approximately 50 km of the Project:

- Douglas Marsh (approximately 30 km south, near Spruce Woods Provincial Park)
- Proven Lake (approximately 50 km north near Riding Mountain National Park)
- Delta Marsh (approximately 30 km north near Lake Manitoba).

Ontario

In ON, the Project crosses large areas of suitable grassland, forest and marshland habitat for many species of migratory and non-migratory birds. The Project passes through 11 provincial parks, as well as several conservation reserves and other environmentally significant areas.

There are 31 wildlife species which might reside in the Project area that are listed under Schedule 1 of SARA, comprised of:

- three insect species
- nine species of herptiles
- 17 bird species
- two species of mammals

There are 37 wildlife species which might occur in the Project area that are listed under the provincial *Endangered Species Act* (2007), comprised of:

- three insects
- eight species of herptiles
- 22 bird species
- four mammal species

Québec

In QC, the Project crosses the greater St. Lawrence River valley which provides excellent habitat for an abundant and diversified avian population. This population is attributable to the presence of the St. Lawrence River which constitutes an important migration corridor for waterfowl. Its banks provide excellent nesting sites for some shoreline species. Existing literature indicates that approximately 400 species of birds are known to frequent the QC portion of the greater St. Lawrence system.

There are 21 wildlife species which might occur in the Project area that are listed under Schedule 1 of SARA, comprised of:

- one species of moths and butterflies
- six species of herptiles
- 14 bird species

There are 10 wildlife species which might occur in the Project area that are listed under the *Loi sur les espèces menacées ou vulnérables*, comprised of three herptile and seven bird species.

The Project traverses two waterfowl gathering areas protected under Chapter IV.1 (Article 128.1 and subsequent) of the *Loi sur la conservation et la mise en valeur de la faune* and two IBAs designated by BirdLife International.

Approximately 197 km of white-tailed deer wintering yard and one muskrat habitat protected under Chapter IV.1 (Article 128.1 and subsequent) of the *Loi sur la conservation et la mise en valeur de la faune* are traversed by the Project.

New Brunswick

In NB, the Project crosses a wildlife regional assessment area, protected natural areas, the Bantalor Wildlife Management Area, forest stands identified as having old growth potential, and other areas which may be identified as being ecologically important within NB.

The central portion of the Project crosses through both deer wintering areas and forest polygons identified to contain “mature, interior forest conditions”. To the south, provincially significant wetlands have been identified to provide important habitat for waterfowl and other waterbirds. Also, the Project wildlife regional assessment area contains several IBAs in association with the Bay of Fundy, including Saints Rest Marsh and Beach, Quaco Bay, and Manawagonish Island (BSC and Nature Canada 2012).

There are 15 wildlife species which might occur in the Project area that are listed under Schedule 1 of SARA, comprised of:

- one butterfly species
- two species of herptiles
- 12 bird species

There are 26 wildlife species which might occur in the Project area that are listed under the provincial *Endangered Species Act* (1996), comprised of:

- one butterfly species
- two species of herptiles
- 18 bird species
- five mammal species

Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area

Common Name	Scientific Name	Provincial Status	SARA Status
Alberta			
Moths & Butterflies			
Gold-edged Gem	<i>Schinia avemensis</i>	–	Endangered (Schedule 1)
Verna's Flower Moth	<i>Schinia verna</i>	Data Deficient	Threatened (Schedule 1)
Dusky Dune Moth	<i>Copablepharon longipenne</i>	–	Endangered (Schedule 1)
Pale Yellow Dune Moth	<i>Copablepharon grandis</i>	–	Special Concern (Schedule 1)
Monarch	<i>Danaus plexippus</i>	–	Special Concern (Schedule 1)
Herptiles			
Canadian Toad	<i>Anaxyrus hemiophrys</i>	–	–
Great Plains Toad	<i>Anaxyrus cognatus</i>	Data Deficient	Special Concern (Schedule 1)
Plains Spadefoot Toad ¹	<i>Spea bombifrons</i>	–	–
Northern Leopard Frog	<i>Lithobates pipiens</i>	Threatened	Special Concern (Schedule 1)
Western (Barred) Tiger Salamander ¹	<i>Ambystoma mavortium</i>	–	–
Prairie Rattlesnake ¹	<i>Crotalus viridis</i>	–	–
Plains (Western) Hog-nose Snake ¹	<i>Heterodon nasicus nasicus</i>	–	–
Bullsnake ¹	<i>Pituophis catenifer sayi</i>	–	–
Birds			
Trumpeter Swan	<i>Cygnus buccinator</i>	Threatened	-
American White Pelican ¹	<i>Pelecanus erythrorhynchos</i>	–	–
Great Blue Heron ¹	<i>Ardea herodias</i>	–	–
White-winged Scoter	<i>Melanitta fusca</i>	Special Concern	-
Sharp-tailed Grouse ¹	<i>Tympanuchus phasianellus</i>	–	–
Horned Grebe	<i>Podiceps auritus</i>	–	In Process
Golden Eagle ¹	<i>Aquila chrysaetos</i>	–	–

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
Alberta – Birds (cont'd)			
Western Grebe	<i>Aechmophorus occidentalis</i>	Special Concern	–
Ferruginous Hawk	<i>Buteo regalis</i>	Endangered	Threatened (Schedule 1)
Peregrine Falcon (anatum/tundrius subspecies)	<i>Falco peregrinus anatum/tundrius</i>	Threatened	Special Concern (Schedule 1)
Prairie Falcon	<i>Falco mexicanus</i>	Special Concern	–
Yellow Rail	<i>Coturnicops noveboracensis</i>	–	Special Concern (Schedule 1)
Upland Sandpiper ¹	–	–	–
Piping Plover	<i>Charadrius melodus circumcinctus**</i>	Endangered	Endangered (Schedule 1)
Long-billed Curlew	<i>Numenius americanus</i>	Special Concern	Special Concern (Schedule 1)
Burrowing Owl	<i>Athene cunicularia</i>	Endangered	Endangered (Schedule 1)
Short-eared Owl	<i>Asio flammeus</i>	–	Special Concern (Schedule 1)
Common Nighthawk	<i>Chordeiles minor</i>	–	Threatened (Schedule 1)
Loggerhead Shrike	<i>Lanius ludovicianus excubitorides</i>	Special Concern	Threatened (Schedule 1)
Sprague's Pipit	<i>Anthus spragueii</i>	Special Concern	Threatened (Schedule 1)
Chestnut-collared Longspur	<i>Calcarius ornatus</i>	–	Threatened (Schedule 1)
McCown's Longspur	<i>Rhynchophanes mccownii</i>	–	Special Concern (Schedule 1)
Mammals			
Ord's Kangaroo Rat	<i>Dipodomys ordii</i>	Endangered	Endangered (Schedule 1)
Western Harvest Mouse (dychei subspecies)	<i>Reithrodontomys megalotis dychei</i>	–	Endangered (Schedule 1)
Saskatchewan			
Moths and Butterflies			
Gold-edged Gem	<i>Schinia avemensis</i>	Interim List Only	Endangered (Schedule 1)
Dusky Dune Moth	<i>Copablepharon longipenne</i>	Interim List Only	Endangered (Schedule 1)
Pale Yellow Dune Moth	<i>Copablepharon grandis</i>	Interim List Only	Special Concern (Schedule 1)
Monarch	<i>Danaus plexippus</i>	Interim List Only	Special Concern (Schedule 1)
Herptiles			
Canadian Toad ¹	<i>Anaxyrus hemiophrys</i>	–	–

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
Saskatchewan – Herptiles (cont'd)			
Great Plains Toad	<i>Anaxyrus cognatus</i>	Interim List Only	Special Concern (Schedule 1)
Plains Spadefoot Toad ¹	<i>Spea bombifrons</i>	–	–
Northern Leopard Frog	<i>Lithobates pipiens</i>	Interim List Only	Special Concern (Schedule 1)
Western (Barred) Tiger Salamander	<i>Ambystoma mavortium</i>	–	In Process
Prairie Rattlesnake ¹	<i>Crotalus viridis</i>	–	–
Plains (Western) Hog-nose Snake ¹	<i>Heterodon nasicus nasicus</i>	–	–
Bullsnake ¹	<i>Pituophis catenifer sayi</i>	–	–
Red-bellied Snake ¹	<i>Storeria occipitomaculata</i>	–	–
Snapping Turtle	<i>Chelydra serpentina</i>	Interim List Only	Special Concern (Schedule 1)
Smooth Green Snake ¹	<i>Opheodrys vernalis</i>	–	–
Birds			
American White Pelican ¹	<i>Pelecanus erythrorhynchos</i>	–	–
Great Blue Heron ¹	<i>Ardea herodias</i>	–	–
American Bittern ¹	<i>Botaurus lentiginosus</i>	–	–
Trumpeter Swan ¹	<i>Cygnus buccinator</i>	–	–
Bald Eagle ¹	<i>Haliaeetus leucocephalus</i>	–	–
Osprey ¹	<i>Pandion haliaetus</i>	–	–
Sharp-tailed Grouse ¹	<i>Tympanuchus phasianellus</i>	–	–
Horned Grebe	<i>Podiceps auritus</i>	Interim List Only	In Process
Ferruginous Hawk	<i>Buteo regalis</i>	Interim List Only	Threatened (Schedule 1)
Peregrine Falcon (anatum/tundrius subspecies)	<i>Falco peregrinus anatum/tundrius</i>	Interim List Only	Special Concern (Schedule 1)
Yellow Rail	<i>Coturnicops noveboracensis</i>	Interim List Only	Special Concern (Schedule 1)
Piping Plover	<i>Charadrius melodus circumcinctus</i>	Endangered	Endangered (Schedule 1)
Long-billed Curlew	<i>Numenius americanus</i>	Interim List Only	Special Concern (Schedule 1)
Burrowing Owl	<i>Athene cunicularia</i>	Endangered	Endangered (Schedule 1)
Short-eared Owl	<i>Asio flammeus</i>	Interim List Only	Special Concern (Schedule 1)

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
Saskatchewan – Birds (cont'd)			
Common Nighthawk	<i>Chordeiles minor</i>	Interim List Only	Threatened (Schedule 1)
Chimney Swift	<i>Chaetura pelagic</i>	Interim List Only	Threatened (Schedule 1)
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	Interim List Only	Threatened (Schedule 1)
Loggerhead Shrike	<i>Lanius ludovicianus excubitorides</i>	Interim List Only	Threatened (Schedule 1)
Barn Swallow	<i>Hirundo rustica</i>	Interim List Only	–
Sprague's Pipit	<i>Anthus spragueii</i>	Interim List Only	Threatened (Schedule 1)
Chestnut-collared Longspur	<i>Calcarius ornatus</i>	Interim List Only	Threatened (Schedule 1)
McCown's Longspur	<i>Rhynchophanes mccownii</i>	Interim List Only	Special Concern (Schedule 1)
Bobolink	<i>Dolichonyx oryzivorus</i>	Interim List Only	–
Mammals			
Ord's Kangaroo Rat	<i>Dipodomys ordii</i>	Interim List Only	Endangered (Schedule 1)
Manitoba			
Moths & Butterflies			
Gold-edged Gem	<i>Schinia avemensis</i>	Endangered	Endangered (Schedule 1)
Verna's Flower Moth	<i>Schinia verna</i>	Endangered	Threatened (Schedule 1)
Dusky Dune Moth	<i>Copablepharon longipenne</i>	Endangered	Endangered (Schedule 1)
Pale Yellow Dune Moth	<i>Copablepharon grandis</i>	Endangered	Special Concern (Schedule 1)
Dakota Skipper	<i>Hesperia dacotae</i>	Threatened	Threatened (Schedule 1)
Monarch	<i>Danaus plexippus</i>	–	Special Concern (Schedule 1)
Ottoo Skipper	<i>Hesperia ottoe</i>	Threatened	Endangered (Schedule 1)
Uncas Skipper	<i>Hesperia uncas</i>	Endangered	–
White Flower Moth	<i>Schinia bimatrix</i>	Endangered	Endangered (Schedule 1)
Herptiles			
Northern Leopard Frog	<i>Lithobates pipiens</i>	–	Special Concern (Schedule 1)
Western (Barred) Tiger Salamander	<i>Ambystoma mavortium</i>	–	In Process
Prairie Skink	<i>Eumeces septentrionalis</i>	Endangered	Endangered (Schedule 1)
Snapping Turtle	<i>Chelydra serpentina</i>	–	Special Concern (Schedule 1)

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
Manitoba (cont'd)			
Birds			
Trumpeter Swan	<i>Cygnus buccinator</i>	Endangered	–
Horned Grebe	<i>Podiceps auritus</i>	–	In Process
Least Bittern	<i>Ixobrychus exilis</i>	Endangered	Threatened (Schedule 1)
Ferruginous Hawk	<i>Buteo regalis</i>	Endangered	Threatened (Schedule 1)
Peregrine Falcon (anatum/tundrius subspecies)	<i>Falco peregrinus anatum/tundrius</i>	Endangered	Special Concern (Schedule 1)
Piping Plover	<i>Charadrius melodus circumcinctus</i>	Endangered	Endangered (Schedule 1)
Burrowing Owl	<i>Athene cunicularia</i>	Endangered	Endangered (Schedule 1)
Short-eared Owl	<i>Asio flammeus</i>	Special Concern	Special Concern (Schedule 1)
Common Nighthawk	<i>Chordeiles minor</i>	Threatened	Threatened (Schedule 1)
Eastern Whip-poor-will	<i>Antrostomus vociferus</i>	Threatened	Threatened (Schedule 1)
Chimney Swift	<i>Chaetura pelagic</i>	Threatened	Threatened (Schedule 1)
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	Threatened	Threatened (Schedule 1)
Olive-sided Flycatcher	<i>Contopus cooperi</i>	–	Threatened (Schedule 1)
Loggerhead Shrike	<i>Lanius ludovicianus excubitorides</i>	Endangered	Threatened (Schedule 1)
Sprague's Pipit	<i>Anthus spragueii</i>	Threatened	Threatened (Schedule 1)
Chestnut-collared Longspur	<i>Calcarius ornatus</i>	Endangered	Threatened (Schedule 1)
Canada Warbler	<i>Cardellina canadensis</i>	Endangered	Threatened (Schedule 1)
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	Threatened	Threatened (Schedule 1)
Baird's Sparrow	<i>Ammodramus bairdii</i>	Endangered	–
Rusty Blackbird	<i>Euphagus carolinus</i>	–	Special Concern (Schedule 1)
Mammals			
Mule Deer	<i>Odocoileus herionus</i>	Threatened	–
Ontario			
Moths & Butterflies			
Monarch	<i>Danaus plexippus</i>	Special Concern	Special Concern (Schedule 1)
Bogbean Buckmoth	<i>Hemileuca sp.</i>	Endangered	Endangered (Schedule 1)
Rapid's Clubtail	<i>Gomphus quadricolor</i>	Endangered	Endangered (Schedule 1)
West Virginia White	<i>Pieris virginienensis</i>	Special Concern	–

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
Ontario (cont'd)			
Herptiles			
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	Endangered	–
Eastern Milksnake	<i>Lampropeltis triangulum</i>	Special Concern	Special Concern (Schedule 1)
Eastern Hog-nose Snake	<i>Heterodon platirhinos</i>	Special Concern	Threatened (Schedule 1)
Eastern Ribbonsnake	<i>Thamnophis sauritus</i>	Special Concern	Special Concern (Schedule 1)
Snapping Turtle	<i>Chelydra serpentina</i>	Special Concern	Special Concern (Schedule 1)
Blanding's Turtle	<i>Emydoidea blandingii</i>	Threatened	Threatened (Schedule 1)
Wood Turtle	<i>Glyptemys insculpta</i>	Endangered	Threatened (Schedule 1)
Spotted Turtle	<i>Clemmys guttata</i>	Endangered	Endangered (Schedule 1)
Eastern Musk Turtle (Stinkpot)	<i>Sternotherus odoratus</i>	Threatened	Threatened (Schedule 1)
Northern Map Turtle	<i>Graptemys geographica</i>	Special Concern	Special Concern (Schedule 1)
Birds			
Horned Grebe	<i>Podiceps auritus</i>	Special Concern	In Process
American White Pelican	<i>Pelecanus erythrorhynchos</i>	Threatened	–
Least Bittern	<i>Ixobrychus exilis</i>	Threatened	Threatened (Schedule 1)
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Special Concern	–
Golden Eagle	<i>Aquila chrysaetos</i>	Endangered	–
Peregrine Falcon (anatum/tundrius subspecies)	<i>Falco peregrinus anatum/tundrius</i>	Special Concern	Special Concern (Schedule 1)
Yellow Rail	<i>Coturnicops noveboracensis</i>	Special Concern	Special Concern (Schedule 1)
Piping Plover	<i>Charadrius melodus circumcinctus</i>	Endangered	Endangered (Schedule 1)
Black Tern	<i>Chlidonias niger</i>	Special Concern	–
Short-eared Owl	<i>Asio flammeus</i>	Special Concern	Special Concern (Schedule 1)
Common Nighthawk	<i>Chordeiles minor</i>	Special Concern	Threatened (Schedule 1)
Eastern Whip-poor-will	<i>Antrostomus vociferus</i>	Threatened	Threatened (Schedule 1)
Chimney Swift	<i>Chaetura pelagic</i>	Threatened	Threatened (Schedule 1)

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
Ontario – Birds (cont'd)			
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	Special Concern	Threatened (Schedule 1)
Olive-sided Flycatcher	<i>Contopus cooperi</i>	Special Concern	Threatened (Schedule 1)
Loggerhead Shrike	<i>Lanius ludovicianus migrans</i>	Endangered	Endangered (Schedule 1)
Barn Swallow	<i>Hirundo rustica</i>	Threatened	–
Kirtland's Warbler	<i>Setophaga kirtlandii</i>	Endangered	Endangered (Schedule 1)
Cerulean Warbler	<i>Setophaga cerulea</i>	Threatened	Special Concern (Schedule 1)
Canada Warbler	<i>Cardellina canadensis</i>	Special Concern	Threatened (Schedule 1)
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	Special Concern	Threatened (Schedule 1)
Yellow-breasted Chat	<i>Icteria virens virens</i>	Endangered	Special Concern (Schedule 1)
Bobolink	<i>Dolichonyx oryzivorus</i>	Threatened	–
Eastern Meadowlark	<i>Sturnella magna</i>	Threatened	–
Mammals			
Northern (Long-eared) Myotis	<i>Myotis septentrionalis</i>	Endangered	–
Little Brown Myotis	<i>Myotis lucifugus</i>	Endangered	–
American Badger	<i>Taxidea taxus jacksoni</i>	Endangered	Endangered (Schedule 1)
Québec			
Moths & Butterflies			
Monarch	<i>Danaus plexippus</i>	–	Special Concern (Schedule 1)
Herptiles			
Eastern Snapping Turtle	<i>Chelydra serpentina</i>	–	Special Concern (Schedule 1)
Blanding's Turtle	<i>Emydoidea blandingii</i>	Threatened	Threatened (Schedule 1)
Wood Turtle	<i>Glyptemys insculpta</i>	Vulnerable	Threatened (Schedule 1)
Northern Map Turtle	<i>Graptemys geographica</i>	Vulnerable	Special Concern (Schedule 1)
Eastern Milksnake	<i>Lampropeltis triangulum</i>	–	Special Concern (Schedule 1)
Spring Salamander	<i>Gyrinophilus porphyriticus</i>	–	Special Concern (SARA Schedule 1)
Birds			
Whip-poor-will	<i>Caprimulgus vociferus</i>	–	Threatened (Schedule 1)
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Vulnerable	–
Peregrine Falcon	<i>Falco peregrinus anatum/tundrius</i>	Vulnerable	Special Concern (Schedule 1)
Yellow Rail	<i>Coturnicops noveboracensis</i>	Threatened	Special Concern (Schedule 1)

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
Québec – Birds (cont'd)			
Short-eared Owl	<i>Asio flammeus</i>	–	Special Concern (Schedule 1)
Chimney Swift	<i>Chaetura pelagic</i>	–	Threatened (Schedule 1)
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	Threatened	Threatened (Schedule 1)
Olive-sided Flycatcher	<i>Contopus cooperi</i>	–	Threatened (Schedule 1)
Canada Warbler	<i>Cardellina canadensis</i>	–	Threatened (Schedule 1)
Common Nighthawk	<i>Chordeiles minor</i>	–	Threatened (Schedule 1)
Cerulean Warbler	<i>Setophaga cerulea</i>	Threatened	Special Concern (Schedule 1)
Loggerhead Shrike	<i>Lanius ludovicianus migrans</i>	Threatened	Endangered (Schedule 1)
Rusty Blackbird	<i>Euphagus carolinus</i>	–	Special Concern (Schedule 1)
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	–	Threatened (Schedule 1)
Least Bittern	<i>Ixobrychus exilis</i>	Vulnerable	Threatened (Schedule 1)
New Brunswick			
Moths and Butterflies			
Monarch	<i>Danaus plexippus</i>	Special Concern	Special Concern
Herptiles			
Snapping Turtle	<i>Chelydra serpentina</i>	Special Concern	Special Concern
Wood Turtle	<i>Glyptemys insculpta</i>	Threatened	Threatened
Birds			
Least Bittern	<i>Ixobrychus exilis</i>	Threatened	Threatened
Harlequin Duck	<i>Histrionicus histrionicus pop. 1</i>	Endangered	Special Concern
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Endangered	–
Peregrine Falcon anatum ssp	<i>Falco peregrinus anatum</i>	Endangered	Special Concern
Piping Plover (melodus subspecies)	<i>Charadrius melodus melodus</i>	Endangered	Endangered
Red Knot rufa ssp	<i>Calidris canutus rufa</i>	Endangered	Endangered
Short-eared Owl	<i>Asio flammeus</i>	Special Concern	Special Concern
Eastern Whip-Poor-Will	<i>Caprimulgus vociferus</i>	Threatened	Threatened
Common Nighthawk	<i>Chordeiles minor</i>	Threatened	Threatened
Chimney Swift	<i>Chaetura pelagica</i>	Threatened	Threatened
Eastern Wood-Pewee	<i>Contopus virens</i>	Special Concern	–
Olive-sided Flycatcher	<i>Contopus cooperi</i>	Threatened	Threatened
Barn Swallow	<i>Hirundo rustica</i>	Threatened	–

**Table 1-12: Wildlife Species with Conservation Status Potentially Found in Project Area
(cont'd)**

Common Name	Scientific Name	Provincial Status	SARA Status
New Brunswick – Birds (cont'd)			
Wood Thrush	<i>Hylocichla mustelina</i>	Threatened	–
Canada Warbler	<i>Wilsonia canadensis</i>	Threatened	Threatened
Eastern Meadowlark	<i>Sturnella magna</i>	Threatened	–
Bobolink	<i>Dolichonyx oryzivorus</i>	Threatened	–
Rusty Blackbird	<i>Euphagus carolinus</i>	Special Concern	Special Concern
Mammals			
Canada Lynx	<i>Lynx canadensis</i>	Endangered	–
Cougar	<i>Puma concolor pop.</i> ¹	Endangered	–
Little Brown Myotis	<i>Myotis lucifugus</i>	Endangered	–
Northern Myotis	<i>Myotis septentrionalis</i>	Endangered	–
Tri-coloured Bat	<i>Perimyotis subflavus</i>	Endangered	–
Note:			
1. Species do not have provincial or SARA status but have provincial distance setback and seasonal activity restriction guidelines associated to habitat feature			

1.13 SOCIO-ECONOMIC ENVIRONMENT

The socio-economic environment that will be assessed as part of the ESA will include:

- heritage resources
- human occupancy and resource use
- traditional land and resource use
- social and cultural well being
- infrastructure and services
- employment
- economy

The following sections provide an overview of these socio-economic elements.

An assessment of socio-economic effects is included in the ESA and addresses the effects of the Project on the human environment. Specifically, it describes the Project in terms of effects on employment, household income generation, municipal and provincial/federal tax generation. It also describes how the Project directly, and indirectly through population changes, affects a range of socio-economic issue areas. Common areas of inquiry include:

- housing
- health system

- policing and emergency response
- social services
- municipal infrastructure
- traffic

Given the large geographic distance covered by the Project, the assessment of socio-economic effects in the ESA will need to consider several RAAs based on Project activities, regional infrastructure and service provider capacity (e.g., location of larger urban centres) and jurisdictional boundaries.

1.13.1 Heritage Resources

Heritage resources collectively refer to cultural, historic, archaeological and paleontological resources and can include pre- and post-contact features.

Archaeological impact assessments will be conducted in areas with archaeological potential that might be disturbed during construction of the new pipeline and facilities (tank terminals, pump stations etc.) as well as on areas of the conversion segments where conversion activities go beyond the boundary of the existing pipeline ROW. Archaeological impact assessments generally include both archaeological and palaeontological resources.

AB, SK, MB and NB include palaeontological resources (i.e., fossils) in their definition of heritage resources and protect these resources under their provincial heritage legislation. Potential impacts to palaeontological resources will be evaluated for new build pipeline sections in provinces where fossils are protected.

Alberta

Palaeontological Resources

The Project route passes through two areas with known significant palaeontological sites in AB - the Sounding Creek area and the South Saskatchewan River valley.

The Sounding Creek area has exposures of the Upper Cretaceous Bearpaw Formation, the youngest interior seaway (marine) deposits in AB. There is a rich fauna including:

- ammonites
- clams
- lobsters
- cuttlefish
- turtle
- fish
- rare marine reptile remains
- Teredo-bored wood

The South Saskatchewan River valley has exposures mainly of the Upper Cretaceous Oldman and Dinosaur Park formations. These are rich dinosaur-bearing beds and microfossil sites are common in the near the Project.

Archaeological Resources

The Project route traverses areas of high, moderate and low potential for both pre-contact and historic period archaeological sites. A total of 127 heritage resource sites have been assessed relative to the Project including 102 pre-contact sites and 25 historic period sites. Historic sites primarily include features relating to Euro-Canadian homesteading.

Pre-contact sites document the presence of bison hunting people in the province for at-least the past 10,000 years. The most visible and enduring type of pre-contact site within southern AB are stone features: circles and cairns. These arrangements of stone mark a number of different types of human activities, including domestic habitations (e.g., tipi ring sites) or ritual sites including stone cairns.

Tipi ring and cairn sites are common throughout the native prairie sections of the Project, particularly in areas such as the major river valleys and hill systems that provided resources such as water and bison or other game for hunting. A total of 71 stone feature sites containing 256 individual stone features have been assessed relative to the Project.

Saskatchewan

Palaeontological Resources

The provincial Heritage Conservation Branch has not issued any requirements for a palaeontological assessment in SK. The Cromer Lateral does not pass through any areas of identified palaeontological sensitivity. Bedrock of the Late Cretaceous Riding Mountain Formation (Pierre Shale) is overlain by thick deposits of glacial till.

As there is little new ground disturbance for the SK portion of the Prairie segment at watercourses, this portion of the Project is not expected to affect palaeontological resources.

Archaeological Resources

The SK portion of the Prairie segment and the Cromer lateral traverse some areas that are rich in previously recorded archaeological sites, including both historic era and pre-contact sites. Intact sites are most strongly associated with native prairie and include numerous stone feature sites.

Potential interactions with archaeological resources in SK as a result of the Project will be limited because a majority of the SK portion of the Prairie segment falls

within previously disturbed agricultural lands. The Heritage Conservation Branch has not issued any requirements for archaeological assessment for the Project since most activities will be restricted to previously disturbed lands or terrain that they have determined to be of low archaeological potential.

Manitoba

Palaeontological Resources

There are no palaeontological or natural objects listed in the province of MB archaeological database along the MB portion of the Prairies segment or the proposed Cromer lateral.

Most fossils in MB are found well-removed from the Project in south central or northern MB or in deeply buried limestone strata in the Winnipeg region. The Historic Resources Branch has not issued any requirements for palaeontological assessment in Manitoba.

Archaeological Resources

The majority of previously recorded heritage resources in proximity to the MB portion of the Prairies segment or the Cromer Lateral have been recovered from the surface of cultivated fields. As such, the heritage objects are no longer vertically or horizontally intact and therefore are of reduced heritage significance.

Although most of the Project traverses disturbed agricultural land, deeply buried archaeological sites may be found in some river valleys in MB, due to the rapid soil deposition in flood prone systems.

On the MB portion of the Prairies segment several deep archaeological sites were identified during earlier assessments of the existing TransCanada Mainline. For example, the Miniota Site was identified in a deeply buried context during pipeline construction monitoring where the existing pipeline crosses the Assiniboine River. This site is considered to be of high heritage value however, it was mitigated for in the earlier programs and additional impact is not predicted as a result of conversion activities. Along the Cromer Lateral in MB, desktop review and field programs did not identify any new heritage resources of high heritage value.

Ontario

Palaeontological Resources

Palaeontological resources are not protected in ON. The new pipeline route passes through an area of Ordovician bedrock, buried under surficial deposits of till and glaciomarine sediments. Ordovician bedrock typically contains invertebrate fossils such as brachiopods, nautiloids, graptolites and molluscs. Rare early fish fossils may

also be preserved. The overlying glaciomarine sediments are deposits of the Champlain Seaway from end of the Pleistocene, approximately 13,000 to 11,000 years ago. Fossils include abundant molluscs as well as rare marine mammals (e.g., whales, dolphins, seals), fish and sea birds.

Archaeological Resources

For the ON West, Northern ON and North Bay Shortcut segments, there is a varying archaeological potential identified in proximity to proposed pump stations. Some of the areas consisting of low potential for all of the proposed station areas where there are some areas with portions of low and elevated potential and others where the majority of the proposed station area is of elevated archaeological potential.

Approximately 200 potential heritage resources were identified along the ON East segment during the baseline inventory process. These include structures and landscapes, residential and agricultural, older than 40 years of age. Pre-contact period sites extending back to the Late Woodland and Middle Archaic Period have been identified in proximity to the Project. These sites have yielded cultural remains such as:

- animal bone
- stone tools
- ceramic shards

Seven registered archaeological sites occur within a 1-km radius of the ON East segment (MTCS 2013). Two of these sites are immediately adjacent to the pipeline route in ON.

Québec

Palaeontological Resources

Palaeontological resources are not protected in QC. In QC, palaeontological resources mainly occur as invertebrates in Cambrian, Ordovician, Silurian or Devonian bedrock. Vertebrates may occur in Quaternary surficial sediments. As in ON, fossiliferous Late Pleistocene deposits of the Champlain Seaway occur along the pipeline route.

Archaeological Resources

Some heritage elements that are federally or provincially recognized are located in the vicinity of the Project in QC. The proposed route generally avoids built environments including any cultural or patrimonial sites that are provincially or federally designated.

The review of existing baseline information has confirmed the presence of 15 known archeological sites and 25 registered heritage resources within an area that extends 500 m beyond the PDA (ARKEOS 2013). More precisely, the proposed route crosses

the protection perimeter of the Maison Therrien (a designated cultural heritage building) but no designated archeological sites.

The archeological potential is very high along the St. Lawrence Valley considering the pre-contact and historical land occupation. The archeology assessment has confirmed that several segments of the proposed route have some level of archeological potential (ARKEOS 2013). Additional assessment is ongoing to determine the heritage value of those sites which might be within the Project area and determine appropriate avoidance or mitigation strategies.

New Brunswick

Palaeontological Resources

The Project route in NB crosses sedimentary, igneous and metamorphic strata ranging from the Late Precambrian to the late Carboniferous age. Marine invertebrate fossils occur in the Paleozoic strata of Cambrian to Devonian sedimentary units. Some of the Devonian strata also contain fossil of early land animals, fish and arthropods. Carboniferous strata can contain abundant plant fossils plus rare invertebrates and vertebrates such as fish, amphibian and reptiles.

Archaeological Resources

There are currently no registered pre-contact archaeological sites along the proposed Project route; however, there are 11 pre-contact archaeological sites within 5 km of the Project.

There are three recorded and one reported traditional portage and travel route in proximity to the Project. These areas are identified as potentially having cultural significance to NB Aboriginal communities as they pass through Wolastoqiyik (Maliseet) and Mi'kmaq asserted traditional territories.

One recorded historic archaeological site in Passakeag and two recorded cemeteries in Latimer Lake and Annidale are in proximity of the Project.

Six recorded and suspected historic plane crash sites are located within 5 km of the Project. In addition, there are 10 historic period archaeological sites, numerous historic places (architectural resources, predominantly in the city of Saint John) and 55 cemeteries located within 5 km of the Project.

1.13.2 Traditional Land and Resource Use

Energy East has initiated an engagement process with potentially affected Aboriginal communities in all of the provinces crossed by the Project.

Based on the outcome of this initial engagement process, and as agreed upon, traditional land and resource use studies will be conducted. These studies will focus on the current use of land for traditional purposes as identified by the Aboriginal communities in the agreed study areas.

Where available, traditional knowledge acquired through Aboriginal engagement activities may contribute to identifying potential adverse effects of the proposed Project and assist with identifying mitigation opportunities.

1.13.3 Socio-Economic Features

The following provides an overview of select socio-economic features of relevance to the four valued components described below:

- infrastructure and services, including:
 - temporary accommodation
 - health services
 - emergency services (e.g. firefighting and ambulance)
 - policing
 - transportation (e.g. roads)
- employment and economy, including employment and business opportunities created by the Project and effects on government revenue (e.g. taxes)
- social and cultural wellbeing, including:
 - health and social conditions
 - social services
 - Aboriginal socio-cultural wellbeing
- Human occupancy and resource use including local uses of the Project area for uses such as:
 - agricultural
 - forestry
 - oil and gas
 - other industrial activity
 - fishing
 - hunting
 - trapping
 - recreational uses

Alberta

The Project begins at the Hardisty terminal complex in Flagstaff County, extends south through the Municipal District of Provost, Special Area 4, Special Area 3, Special Area 2 and Cypress County, and then continues east into SK.

The RAA for the socio-economic assessment, which extends 50 km on either side of the ROW, is home to nearly 29,000 individuals, accounting for less than 1% of Alberta's total population. The population in the RAA is dispersed across several urban and rural municipalities. Approximately 40% of the population in the RAA is situated in several key service centres, the largest of which are the towns of Wainwright (5,295) and Provost (2,040), located in the northern portion of the RAA.

The Town of Oyen (975) is the primary service centre in the southern half of the RAA. The remainder of the RAA population (17,390) is largely distributed across hamlets, villages, regional municipalities, and special areas in the region.

Outside the RAA, the nearest regional centre is Medicine Hat (60,005), approximately 100 km to the southeast of the Project. There are six population centres in proximity to the Project (Statistics Canada 2012, 2011 census data).

With respect to Aboriginal communities, please see Volume 1, Section 5.2.2.

The regional economy in the RAA is largely focused on agriculture and natural resource extraction. Agricultural activities in the region are generally mixed and include both ranching and grain production, a sizeable portion of which is produced from family farms.

The region is an integral part of the north/south transportation route that connects activities in the oil sands of northern AB and Alberta's industrial heartland with the oil and gas transportation networks in the south. In particular, the Town of Hardisty and the surrounding area are home to a number of tank farms and the culmination of a number of major pipelines.

Saskatchewan

Prairie Segment – SK

The Alberta segment crosses the AB/SK border north of Burstall and proceeds east, passing 25 km north of the city of Swift Current, 5 km north of the city of Moose Jaw, through the south end of the city of Regina and 8 km north of the town of Moosomin before continuing east into MB.

The RAA is home to nearly 310,000 individuals, accounting for approximately 30% of the total population of SK. There are approximately 13 population centres in the RAA.¹ The majority of the regional population is situated in service centres such as the cities of Swift Current, Moose Jaw, and Regina. The remainder of the RAA

¹ A population centre is defined as having a population of at least 1,000 and no fewer than 400 persons per square kilometre.

population is largely distributed across several towns, villages, hamlets, and regional municipalities. Relative to the Regina-Saskatoon corridor, the area is sparsely settled.

With respect to Aboriginal communities please refer to Volume 1, Section 5.2.2.

Agriculture is the predominant industry in the region. Other industries that factor prominently in the regional economy include sodium-sulphate and potash mining as well as petroleum development. Many of the towns and villages within the RAA act as service centres for the agricultural, mining and petroleum development industries.

Cromer Lateral

The Town of Moosomin is located roughly 20 km west of the the Cromer lateral and is the closest regional centre to the Project. Moosomin is home to 2,485 people and has a local economy that is focused largely on the support of the agricultural, mining, and oil and gas activities that take place in the surrounding area.

With respect to Aboriginal communities please see Volume 1, section 5.2.2.

Manitoba

Prairie Segment – MB

The RAA is home to approximately 942,000 individuals, accounting for approximately 78% of the total population of MB. There are approximately 17 population centres in the RAA. The majority of the regional population (70%) is situated in the city of Winnipeg which is also the largest urban service centre within the RAA and home to more than half of the province's total population. Other key and relatively large urban service centres in the RAA are the cities of Brandon (46,060), Portage la Prairie (12,995) and Steinbach (13,525). Each of the aforementioned population centres are located in close proximity to Highway 1. The remaining RAA population is largely distributed across several towns, hamlets, villages, regional municipalities or portions thereof within 50 km of the Project.

With respect to Aboriginal communities please see Volume 1, section 5.2.2.

In the western section of the MB portion of the Prairies segment of the RAA, agriculture is the dominant industry including:

- the production of cereal crops (e.g., wheat, oats and barley)
- seed oils (e.g., canola)
- livestock (beef)

Several industries near the MB portion of the Prairies segment support the agricultural community including crop protection warehouses, seed warehouses and aerial crop-spraying companies. There are also several agri-food processing facilities in the region, particularly in the Portage la Prairie district.

Cromer Lateral

The Cromer Lateral spans portions of SK and MB. The portion of the Cromer Lateral in MB is located approximately 30 km to the east of the Town of Virden, population 3,114. The local economy is related in large part, to the extraction of crude oil from the surrounding area and is home to a number of oil field support and service firms.

With respect to Aboriginal communities please see Volume 1, section 5.2.2

Ontario

ON West, Northern ON and North Bay Shortcut segments

The RAA is home to nearly 1.9 million individuals, accounting for approximately 14.5% of the total population of ON. There are approximately 36 population centres in the RAA.

Stretching east from the MB border, the ON West, Northern ON and North Bay Shortcut segments RAA passes through predominantly sparsely settled lands until it reaches the Renfrew-Ottawa area. Nearly 80% of the RAA population is in the southeastern segment of the RAA. By comparison, the northwest and northeast portions of the RAA are sparsely populated, accounting for just 9% (173,190) and 11% (206,420) of the RAA total, respectively. With the exception of Thunder Bay, Timmins and North Bay, there are few relatively large population centres in the northeast and northwest segments of the RAA.

With respect to Aboriginal communities please see Volume 1, section 5.2.2

The majority of the approximately 2,020-km ON West, Northern ON and North Bay Shortcut segments RAA corridor runs in close proximity to the Trans-Canada Highway system (Highways 11 and 17) in northern ON. The regional economy through which most of the conversion section runs is generally more focused on resource extraction than the province overall, particularly with respect to mining and forestry. The service and tourism sectors also play a key role in the regional economy.

ON East

The ON East segment runs parallel to Highway 401 and passes through or is adjacent to a number of towns, cities and built-up areas. A key and relatively large urban service centre located in close proximity to the Project is the city of Cornwall, which is home to 46,340 people. In addition, the ON East segment RAA includes portions of the following Upper-Tier Municipalities:

- the united counties of Leeds and Grenville, population of 99,306
- the united counties of Stormont, Dundas and Glengarry, population of 111,164
- the united counties of Prescott and Russell, population of 85,381

With respect to Aboriginal communities please see Volume 1, section 5.2.2

The ON East segment is largely contiguous with other pipelines, paralleling the existing Enbridge Pipelines Ltd. Line 9, which is proposed to undergo a reversal in 2014.

Québec

The QC segment of the Project will cross the following boundaries:

- several administrative boundaries:
- two urban metropolitan communities (Montréal and Québec)
- 23 Regional County Municipalities (RCMs) or with RCM equivalent authority
- 71 municipalities

Although the St. Lawrence Valley hosts nearly 80% of Quebec's population, the proposed pipeline route will be primarily sited in rural areas and avoids major populated centres. Major urban centres include:

- the city of Saint-Jérôme, population of 71,617
- the city of Montréal, population of 1,678,062
- the city of Laval, population of 416,215
- the city of Terrebonne, population of 110,285
- the city of Trois-Rivières, population of 134,012
- the city of Shawinigan, population of 50,148
- the city of Québec, population of 530,163
- the city of Lévis, population of 142,210

The tank and marine terminals will be built within 50 km of 12 communities with populations of 1,000 people or more. Communities that are most likely to be affected by the Project due to their proximity to the tank and marine terminals include:

- La ville de Rivière-du-Loup, population of 19,974
- La municipalité de Cacouna, population of 1,962

With respect to Aboriginal communities please see Volume 1, section 5.2.2.

Agriculture and logging are the predominant industries along the QC segment. Mining is not conducted near the proposed Project route but sand and gravel extraction activities are common because of local till and fluvio-glacial deposits. Peat harvesting is common in Bas-Saint-Laurent. Important economic activities in the region around Rivière-du-Loup and Cacouna include:

- peat harvesting and transformation
- agriculture
- forestry
- pulp and paper
- shipping
- tourism

New Brunswick

The NB segment of the Project passes through mostly undeveloped lands to the east and north of the St. John River. Near the QC and NB border, the Project follows the Trans-Canada Highway corridor. The pipeline terminates in eastern Saint John; its routing to the east avoids areas of significant urban development

The Project is 50 km from 39 population centres within eight counties. In 2011, approximately 48.2 per cent of NB's population lived in the eight counties crossed by the pipeline. From 2006 until 2011, the population in these counties rose from 348,743 to 362,044; an increase of 3.8 per cent, while the provincial population rose 2.9 per cent during that same period (Statistics Canada 2012). Most of the communities within these counties are smaller towns, villages and parishes with populations of less than 5,000 people. The main urban centres include:

- Edmundston, population of 16,032
- Fredericton, population of 56,224
- Saint John, populations of 70,063

With respect to Aboriginal communities please see Volume 1, section 5.2.2

The majority of the NB segment is in forested areas, many of which are actively harvested.

The Project also includes a marine terminal complex in Saint John, which is the largest city in NB. Saint John is an industrial and commercial activity center in the province; it houses the largest oil refinery in Canada and associated facilities including a deep water single point mooring for importing crude oil and refined product shipping facilities. Saint John is also home to a liquefied natural gas (LNG) import terminal, and pulp and paper mills.

The Port of Saint John is one of the busiest ports in eastern Canada. Saint John's geographic location benefits from local transportation infrastructure (road, rail and a deep ice-free sea port) for local, national and international distribution.

2.0 NOTIFICATION LISTS

This section provides the initial notification lists for this Project Description. Recipients will be sent letters notifying them about the PD filing and providing a link to the PD on the NEB website. Hard copies of the PD will be provided, in English and in French, on request.

The lists are provided in the following tables:

- Table 2-1 – Federal Government Recipients
- Table 2-2 – Provincial Government Recipients
- Table 2-3 – Alberta Community and Municipal Authorities
- Table 2-4 – Saskatchewan Community and Municipal Authorities
- Table 2-5 – Manitoba Community and Municipal Authorities
- Table 2-6 – Ontario Community and Municipal Authorities
- Table 2-7 – Québec Community and Municipal Authorities
- Table 2-8 – New Brunswick Community and Municipal Authorities
- Table 2-9 – Other Alberta Organizations
- Table 2-10 – Other Saskatchewan Organizations
- Table 2-11 – Other Manitoba Organizations
- Table 2-12 – Other Ontario Organizations
- Table 2-13 – Other Québec Organizations
- Table 2-14 – Other New Brunswick Organizations
- Table 2-15 – Alberta Aboriginal Community Recipients
- Table 2-16 – Saskatchewan Aboriginal Community Recipients
- Table 2-17 – Manitoba Aboriginal Community Recipients
- Table 2-18 – Ontario Aboriginal Community Recipients
- Table 2-19 – Québec Aboriginal Community Recipients
- Table 2-20 – New Brunswick Aboriginal Community Recipients

2.1 FEDERAL AUTHORITIES

Table 2-1 lists the federal government recipients of this Project Description.

Table 2-1: Federal Government Recipients

Department	Contact	Contact Information
Agriculture and Agri-Food Canada	Minister of Agriculture and Agri-Food	1341 Baseline Road Ottawa, ON K1A 0C5
Aboriginal Affairs and Northern Development Canada	Director Environment and Renewable Resources Directorate	25 Eddy Street, 10 th Floor Gatineau, QC K1A 0H4
	Lands Management	Room 200 1 First Nations Way Regina, SK S4S 7K5

Table 2-1: Federal Government Recipients (cont'd)

Department	Contact	Contact Information
Department of National Defence	Agri-Environmental Services Branch	300 – 2010 12th Ave Regina, Sask S4P 0M3
Department of National Defence	Assistant Deputy Minister Canadian Forces Base Petawawa	PO Box 9999 Petawawa, ON K8H 2X3
DFO	Director General Ecosystems Management	200 Kent Street Ottawa, ON K1A 0E6
	Central and Arctic Region	Alberta, Saskatchewan, Manitoba, Ontario Fisheries Protection Program Fisheries and Oceans Canada 867 Lakeshore Road Burlington, ON L7R 4A6
Environment Canada	Directrice Régionale	Service Canadien de la Faune Direction régionale de l'intendance environnementale 1550, Avenue d'Estimanville Québec, QC G1J 0C3
	Environmental Assessment Officer - Prairie and Northern Region	4999-98 Avenue, Room 200 Edmonton, AB T6B 2X3
	Environmental Assessment Officer - Ontario	4905 Dufferin Street Toronto, ON M3H 5T4
	Environmental Assessment Officer - Québec	Environnement Canada 1550, avenue d'Estimauville Québec, Québec G1J 0C3
	Environmental Assessment Officer - Atlantic	45 Alderney Drive Dartmouth, NS B2Y 2N6
	Environmental Assessment Officer – National Office	Gatineau, QC K1A 0H3
	Environmental Assessment Officer - Québec Region	Fisheries Protection Program Fisheries and Oceans Canada 850, route de la Mer, C. P. 1000 Mont-Joli, Québec G5H 3Z4
	Environmental Assessment Officer - Maritimes Region	Fisheries Protection Program Fisheries and Oceans Canada 343 University Avenue Moncton, NB E1C 9B6
Natural Resources Canada	Senior Environmental Assessment Officer – Environmental Assessment Group	580 Booth St. 11th Floor, Room C7C7-1 Ottawa, ON K1A 0E4
	Major Projects Management Office – Senior Operational Officer	155 Queen Street, 2nd Floor Ottawa, ON K1A 0E4
	Major Projects Management Office – Senior Policy Advisor	155 Queen Street, 2nd Floor Ottawa, ON K1A 0E4

Table 2-1: Federal Government Recipients (cont'd)

Department	Contact	Contact Information
Transport Canada	Environmental Assessment Officer	Quebec Region: 700, Leigh Capreol Zone 3E Dorval, QC H4Y 1G7
	Environmental Assessment Officer	Atlantic Region - Regional Headquarters 95 Foundry Street Moncton, NB E1C 5H7
	Environmental Assessment Officer	Airports, Harbours and Ports, and Environmental Services – Ontario Region Programs 4900 Yonge Street North York, ON M2N 6A5
	Environmental Assessment Officer	Airports and Environmental Services – Prairie and Northern Region 344 Edmonton Street Winnipeg, MB R3C 0P6
	Environmental Assessment Officer	Saint John Airport Inc. 4180 Loch Lomond Road Saint John, NB E2N 1L7

2.2 PROVINCIAL AUTHORITIES – BY PROVINCE

The provincial government recipients of this Project Description are shown in Table 2-2.

Table 2-2: Provincial Government Recipients

Department	Contact	Contact Information
Alberta		
Alberta Culture	Head Regulatory Approvals and Information Management	Archaeological Survey Old St. Stephen's College 8820-112 Street NW Edmonton, AB T6G 2P8
Alberta Energy Regulator (AER)	Regional Land-use Officer	Twin Atria Bldg., 4th Floor 4999 – 98 Avenue Edmonton, AB T6B 2X3
Alberta Environment and Sustainable Resource Development (AESRD)	Land Administration Disposition Maintenance Unit	Environment and Sustainable Resource Development 5th Floor Petroleum Plaza St 9915 – 109 Street Edmonton, AB T5K 2G8
AESRD	Regional Manager, Environment Regional & Local Office	Southern Region Calgary #303 Deerfoot Square Building 2938 - 11 St NE Calgary, AB T2E 7L7

Table 2-2: Provincial Government Recipients (cont'd)

Department	Contact	Contact Information
Alberta (cont'd)		
Royal Tyrrell Museum of Palaeontology	Head, Resource Management Program	Box 7500, Drumheller, AB T0J 0Y0
Saskatchewan		
Ministry of Agriculture, Crown Lands	Agreement Coordinator	350 Cheadle St. West Box 5000 Swift Current, SK S9H 4G3
Ministry of Environment	Director, Environmental Assessment Branch	4th Floor - 3211 Albert Street Regina, Saskatchewan S4S 5W6
Ministry of Parks, Culture, and Sport	Director, Heritage Conservation Branch	2nd Floor, 3211 Albert Street, Regina, SK S4S 5W6
Manitoba		
Crown Lands and Property Agency	Manager, Land Acquisition Services	308 – 25 Tupper Street North Portage la Prairie, MB R1N 3K1
Manitoba Conservation and Water Stewardship	Director – Manitoba Conservation Environmental Approvals	123 Main Street Suite 160, Winnipeg Manitoba, R3C 1A5
Manitoba Culture, Heritage, Sport and Consumer Protection	Manager, Archaeological Assessment Services	Main Floor – 213 Notre Dame, Winnipeg, MB, R3B 1N3
Manitoba Infrastructure and Transportation	Eastern Region Office	316-323 Main St. Steinbach, MB R5G 1Z2
Manitoba Innovation, Energy and Mines	Director, Energy Division	360-1395 Ellice Ave. Winnipeg, MB R3G 3P2
Labour and Immigration	Director - Workplace Safety and Health	200-401 York Avenue Winnipeg, MB R3C 0P8
Ontario		
Conservation Ontario	Chair	Box 11, 120 Bayview Parkway Newmarket, ON L3Y 4W3
Ministry of Natural Resources (Natural Resources Information Centre)	Manager, Environmental Planning Unit	5th Flr N 300 Water St Peterborough, ON K9J3C7
Ontario Ministry of Tourism, Culture and Sport	Team Lead, Archaeology Program	401 Bay St Toronto, ON M7A 0A7
Ontario Ministry of the Environment	Manager, Environmental Approvals Branch	12A Flr, 2 St Clair Ave W Toronto, ON M4V 1L5
Ontario Ministry of Transportation	Manager, Design and Contract Standards Office	Garden City Tower 2nd Flr N, 301 St Paul St St Catharines, ON L2R 7R4

Table 2-2: Provincial Government Recipients (cont'd)

Department	Contact	Contact Information
Québec		
Commission de protection du territoire agricole du Québec (CPTAQ)	Direction Générale	200, chemin Sainte-Foy 2e étage Québec, QC G1R 4X6
Ministère du Développement Durable, de l'Environnement, de la Faune et des Parcs	Direction générale du Capitale-Nationale et Chaudière-Appalaches	1175, boulevard Lebourgneuf, bureau 100 Québec, QC G2K 0B7
	Direction générale du Bas-Saint-Laurent et Gaspésie—Îles-de-la-Madeleine	212, avenue Belzile Rimouski, QC G5L 3C3
Ministère des Ressources Naturelles	Direction générale du Bas-Saint-Laurent	92, 2 ^e Rue Ouest, bureau 207 Rimouski QC G5L 8B3
	Direction générale de la Capitale-Nationale et de la Chaudière-Appalaches	1685, boulevard Hamel, bureau 1.14 Québec, QC G1N 3Y7
Ministère des Transports	Sous-ministre	Bureau de la sous-ministre: 700, boul. René-Lévesque Est, 28e étage Québec, QC G1R 5H1
New Brunswick		
New Brunswick Department of Natural Resources, Crown lands Branch	Acting Director Crowns Lands Branch	Hugh John Flemming Forestry Centre 1350 Regent St, Fredericton, NB E3B 2G6
New Brunswick Department of Environment and Local Government	Project Manager, Environmental Assessment Section, Sustainable Development & Impact Evaluation Branch	Marysville Place P. O. Box 6000 Fredericton, NB E3B 5H1
New Brunswick Department of Energy and Mines	EIA Coordinator, Planning, Reporting and Intergovernmental Relations Section	Brunswick Square 1 Germain Street Saint John, NB E2L 4V1
New Brunswick Department of Tourism, Heritage and Culture, Archaeological Services Unit, Heritage Branch	Manager, Archaeological Services Unit	Andal Building P. O. Box 6000 Fredericton, NB E3B 5H1
New Brunswick Department of Transportation and Infrastructure	Environmental Section, Engineering & Technical Services Branch Alternative regarding permits: Land Acquisition & Corridor Management, Property Services Branch	Kings Place P. O. Box 6000 Fredericton, NB E3B 5H1

2.3 OTHER AUTHORITIES – BY PROVINCE

Other authorities that will receive copies of this document are shown in Table 2-3 through Table 2-14.

Table 2-3: Alberta Community and Municipal Authorities

Authority	Contact	Contact Information
City of Medicine Hat	Ray Barnard, Chief Administrative Officer	580 First Street SE Medicine Hat, AB T1A 8E6
County of Newell	Kevin Stephenson, Chief Administrative Officer	PO Box 130 Brooks, AB T1R 1B2
County of Paintearth	Tarolyn Peach County Administrator	PO Box 509 Castor, AB T0C 0X0
County of Stettler	Tim Fox Chief Administrative Officer	PO Box 1270 Stettler, AB T0C 2L0
Cypress County	Kevin Miner, County Manager	816 - 2nd Ave Dunmore, AB T1B 0K3
Flagstaff County	Shelly Armstrong Chief Administrative Officer	PO Box 358 Sedgewick, AB T0B 4C0
Municipal District of Acadia	Gary E. Peers Municipal Administrator	PO Box 30 Acadia Valley, AB T0J 0A0
Municipal District of Provost	Tyler Lawrason Administrator	PO Box 300 Provost, AB T0B 3S0
Municipal District of Wainwright	Kelly Buchinski Municipal Administrator	717 - 14th Avenue Wainwright, AB T9W 1B3
Special Areas Board District Office No. 1	Owen Francis Acting Director, Municipal Services	PO Box 430, 212 - 2nd Ave West Oyen, AB T0J 2J0
Special Areas Board District Office No. 2	Trent Caskey, Administrator	PO Box 820 Hanna, AB T0J 1P0
Special Areas Board District Office No. 3	Darran Dick Administrator	PO Box 30, 319 Main Street Oyen, AB T0J 2J0
Special Areas Board District Office No. 4	Corinne Kelts Administrator	PO Box 220, 4916 - 50th Street Consort, AB T0C 1B0
Town of Castor	Sandra Jackson, Chief Administrative Officer	PO Box 479 Castor, AB T0C 0X0
Town of Coronation	Sandra Kulyk Town Manager	PO Box 219 Coronation, AB T0C 1C0
Town of Daysland	Kaylyn Genio, Chief Administrative Officer	PO Box 610 Daysland, AB T0B 1A0
Town of Hanna	Kim Neill, Chief Administrative Officer	PO Box 430 Hanna, AB T0J 1P0
Town of Hardisty	Kevin Miller, Chief Administrative Officer	PO Box 10 Hardisty, AB T0B 1V0
Town of Killam	Kimberly, Borgel Chief Administrative Officer	PO Box 189 Killam, AB T0B 2L0

Table 2-3: Alberta Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Town of Oyen	Hermann Minderlein, Chief Administrative Officer	PO Box 360 Oyen, AB T0J 2J0
Town of Provost	Judy Larson Town Administrator	PO Box 449 Provost, AB T0B 3S0
Town of Sedgewick	Amanda Davis Chief Administrative Officer	PO Box 129 Sedgewick, AB T0B 4C0
Town of Wainwright	Kathy Franklin, Administrator	1018 - 2nd Avenue Wainwright, AB T9W 1R1
Village of Alliance	Laura Towers Administrator	PO Box 149 Alliance, AB T0B 0A0
Village of Amisk	Kathy Ferguson Municipal Administrator	PO Box 72 Amisk, AB T0B 0B0
Village of Cereal	Mary Ann Salik Administrator	PO Box 160 Cereal, AB T0J 0N0
Village of Consort	Monique Jeffrey, Chief Administrative Officer	PO Box 490 Consort, AB T0C 1B0
Village of Czar	Tricia Strang Administrator	PO Box 30 Czar, AB T0B 0Z0
Village of Empress	Debbie Ross Chief Administrative Officer	PO Box 159 Empress, AB T0J 1E0
Village of Forestburg	Debra Moffatt Chief Administrative Officer	PO Box 210 Forestburg, AB T0B 1N0
Village of Galahad	Shelly Armstrong Chief Administrative Officer	PO Box 66 Galahad, AB T0B 1R0
Village of Halkirk	Doris Cordel Village Administrator	PO Box 126 Halkirk, AB T0C 1M0
Village of Heisler	Amanda Howell, Chief Administrative Officer	PO Box 60 Heisler, AB T0B 2A0
Village of Hughenden	Lawrence Komaransky Chief Administrative Officer	PO Box 26 Hughenden, AB T0B 2E0
Village of Lougheed	Kevin Miller, Acting Chief Administrative Officer	PO Box 5 Lougheed, AB T0B 2V0
Village of Strome	Shelly Armstrong Chief Administrative Officer	PO Box 179 Strome, AB T0B 4H0
Village of Veteran	Debbie Johnstone Chief Administrative Officer	PO Box 439 Veteran, AB T0C 2S0
Village of Youngstown	Emma Garlock Municipal Administrator	PO Box 99 Youngstown, AB T0J 3P0

Table 2-4: Saskatchewan Community and Municipal Authorities

Authority	Contact	Contact Information
City of Moose Jaw	Matt Noble City Manager	228 Main Street North Moose Jaw, SK S6H 3J8
City of Regina	Glen Davies Manager	PO Box 1790 Regina, SK S4P 3C8
City of Swift Current	Susan Motkaluk Manager	PO Box 340 Swift Current, SK S9H 3W1
Resort Village of Beaver Flat	Marleen McDonald Administrator	PO Box 991 Swift Current, SK S9H 3X1
Rural Municipality of Antler	Melissa Roberts Administrator	PO Box 70 Redvers, SK S0C 2H0
Rural Municipality of Baildon	Janna Smith Administrator	Box 1902 Moose Jaw, SK S6H 7N6
Rural Municipality of Bratt's Lake	Kevin Ritchie Administrator	PO Box 130 Wilcox, SK S0G 5E0
Rural Municipality of Canaan	Blair Cleavelly Administrator	PO Box 99 Lucky Lake, SK S0L 1Z0
Rural Municipality of Caron	Sandra Thatcher Administrator	PO Box 85 Caron, SK S0H 0R0
Rural Municipality of Chaplin	Tammy Knight Administrator	PO Box 60 Chaplin, SK S0H 0V0
Rural Municipality of Chester	James Hoff Administrator	PO Box 180 Glenavon, SK S0G 1Y0
Rural Municipality of Chesterfield	Beverly Dahl Administrator	PO Box 70 Eatonia, SK S0L 0Y0
Rural Municipality of Clinworth	Sherry Egeland Administrator	PO Box 120 Sceptre, SK S0N 2H0
Rural Municipality of Deer Forks	Tim C. Lozinsky Administrator	PO Box 250 Burstall, SK S0N 0H0
Rural Municipality of Dufferin	Rodney Audette Administrator	P.O. Box 67 Bethune, SK S0G 0H0
Rural Municipality of Edenwold	Kim Mclvor Administrator	PO Box 10 Balgonie, SK S0G 0E0
Rural Municipality of Elcapo	Mervin Schmidt Administrator	PO Box 668 Broadview, SK S0G 0K0
Rural Municipality of Enfield	Joe Van Leuken Administrator	PO Box 70 Central Butte, SK S0H 0T0
Rural Municipality of Enterprise	Rolande Davis Administrator	PO Box 150 Richmound, SK S0N 2E0
Rural Municipality of Excelsior	Christina Patoine Administrator	PO Box 180 Rush Lake, SK S0H 3S0

Table 2-4: Saskatchewan Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Rural Municipality of Eyebrow	Chris Bueckert Administrator	PO Box 99 Eyebrow, SK S0H 1L0
Rural Municipality of Fox Valley	Stephanie MacPhail Administrator	PO Box 190 Fox Valley, SK S0N 0V0
Rural Municipality of Francis	Megan Macomber Administrator	PO Box 36 Francis, SK S0G 1V0
Rural Municipality of Happyland	Tim C. Lozinsky Administrator	PO Box 339 Leader, SK S0N 1H0
Rural Municipality of Hillsborough	Charlene Thompson-Loos, Administrator	403 Coteau St. West Moose Jaw, SK S6H 5E1
Rural Municipality of Indian Head	Lorelei Theaker, Administrator	PO Box 39 Indian Head, SK S0G 2K0
Rural Municipality of Kingsley	Holly Kemp Administrator	Box 239 Kipling, SK S0G 2S0
Rural Municipality of Lacadena	Wilma Moen Administrator	PO Box 39 Lacadena, SK S0L 1V0
Rural Municipality of Lajord	Rod J. Heise Administrator	PO Box 36 Lajord, SK S0G 2V0
Rural Municipality of Lawtonia	Art Thompson Administrator	PO Box 10 Hodgeville, SK S0H 2B0
Rural Municipality of Lumsden	Krystal Brewer Administrator	PO Box 160 Lumsden, SK S0G 3C0
Rural Municipality of Marquis	Ronald Gasper Administrator	PO Box 40 Marquis, SK S0H 2X0
Rural Municipality of Martin	Elaine M. Olsen Administrator	PO Box 1109 Moosomin, SK S0G 3N0
Rural Municipality of Maryfield	Anna Macksymchuk Administrator	PO Box 70 Maryfield, SK S0G 3K0
Rural Municipality of Miry Creek	Jan Stern Administrator	PO Box 210 Abbey, SK S0N 0A0
Rural Municipality of Montmartre	Dale Brenner Administrator	PO Box 120 Montmartre, SK S0G 3M0
Rural Municipality of Moose Jaw	Mike Wirges Chief Administrative Officer	170 Fairford Street W. Moose Jaw, SK S6H 1V3
Rural Municipality of Moosomin	Kendra L. Lawrence Administrator	PO Box 1109 Moosomin, SK S0G 3N0
Rural Municipality of Morse	Mark Wilson Administrator	PO Box 340 Morse, SK S0H 3C0
Rural Municipality of Pense	Carolynn Meadows Administrator	PO Box 190 Pense, SK S0G 3W0
Rural Municipality of Pittville	Terry Erdelyan Administrator	PO Box 150 Hazlet, SK S0N 1E0

Table 2-4: Saskatchewan Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Rural Municipality of Riverside	Brandi Prentice Administrator	PO Box 129 Pennant, SK S0N 1X0
Rural Municipality of Rocanville	Sylvia Anderson Administrator	PO Box 298 Rocanville, SK S0A 3L0
Rural Municipality of Rodgers	Charlene Thompson-Loos Administrator	403 Coteau St. West Moose Jaw, SK S6H 5E1
Rural Municipality of Saskatchewan Landing	Corrie Lanceleve Administrator	PO Box 40 Stewart Valley, SK S0N 2P0
Rural Municipality of Shamrock	Jody Kennedy Administrator	PO Box 40 Shamrock, SK S0H 3W0
Rural Municipality of Sherwood	Rochel Kunz Administrator	1840 Cornwall Street Regina, SK S4P 2K2
Rural Municipality of Silverwood	Heidi Berlin Administrator	PO Box 700 Whitewood, SK S0G 5C0
Rural Municipality of South Qu'Appelle	Darlene Tyson Chief Administrative Officer	Box 66 Qu'Appelle, SK S0G 4A0
Rural Municipality of Swift Current	Linda Boser Administrator	2024 South Service Road West Swift Current, SK S9H 5J5
Rural Municipality of Victory	Diane Watt Administrator	PO Box 100 Beechy, SK S0L 0C0
Rural Municipality of Walpole	Rhonda Hall Administrator	PO Box 117 Wawota, SK S0G 5A0
Rural Municipality of Wawken	Debbie Saville Administrator	PO Box 90 Wawota, SK S0G 5A0
Rural Municipality of Wheatlands	Julie Gerbrandt Administrator	PO Box 129 Mortlach, SK S0H 3E0
Rural Municipality of Willowdale	Robert Laing Administrator	Box 58 Whitewood, SK S0G 5C0
Rural Municipality of Wolseley	Rose Zimmer Administrator	PO Box 370 Wolseley, SK S0G 5H0
Town of Burstall	Lucein Stuebing Administrator	PO Box 250 Burstall, SK S0N 0H0
Town of Cabri	Dianne Hahn Administrator	PO Box 200 Cabri, SK S0N 0J0
Town of Central Butte	Joyce Aitken Administrator	PO Box 10 Central Butte, SK S0H 0T0
Town of Fleming	Helen Gurski Administrator	PO Box 129 Fleming, SK S0G 1R0
Town of Francis	Ila Connery Administrator	PO Box 128 Francis, SK S0G 1V0
Town of Grenfell	Suzanne Hawkshaw Administrator	PO Box 1120 Grenfell, SK S0G 2B0

Table 2-4: Saskatchewan Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Town of Herbert	Reagan Funk Administrator	PO Box 370 Herbert, SK S0H 2A0
Town of Leader	Rochelle Francis Administrator	PO Box 39 Leader, SK S0N 1H0
Town of Moosomin	Paul Listrom Administrator	PO Box 730 Moosomin, SK S0G 3N0
Town of Morse	Gloria Wepler Administrator	PO Box 270 Morse, SK S0H 3C0
Town of Pense	Jennifer Lendvay Administrator	PO Box 125 Pense, SK S0G 3W0
Town of Pilot Butte	Laurie Rudolph Administrator	Box 253 Pilot Butte, SK S0G 3Z0
Town of Wapella	Charlene Neufeld Administrator	PO Box 189 Wapella, SK S0G 4Z0
Town of White City	Shauna Bzdel, Manager	Box 220 White City, SK S4L 5B1
Town of Whitewood	Sharon Rodgers Administrator	PO Box 129 Whitewood, SK S0G 5C0
Village of Abbey	Dianne Scriven Administrator	PO Box 210 Abbey, SK S0N 0A0
Village of Belle Plaine	Deborah Day Administrator	PO Box 63 Belle Plaine, SK S0G 0G0
Village of Caronport	Brenda Thiessen Administrator	PO Box 550 Caronport, SK S0H 0S0
Village of Chaplin	Gina Hallborg Administrator	PO Box 210 Chaplin, SK S0H 0V0
Village of Ernfold	Mark Wilson Administrator	PO Box 340 Morse, SK S0H 3C0
Village of Fairlight	Nadia Metz Administrator	PO Box 55 Fairlight, SK S0G 1M0
Village of Fox Valley	Michelle Sehn Administrator	PO Box 207 Fox Valley, SK S0N 0V0
Village of Glenavon	James Hoff Administrator	PO Box 327 Glenavon, SK S0G 1Y0
Village of Grand Coulee	Tobi Duck Administrator	Box 72 RR2, GBS 200 Regina, SK S4P 2Z2
Village of Kendal	Coleen Hoffman Administrator	PO Box 97 Kendal, SK S0G 2P0
Village of Maryfield	Ward Frazer Administrator	PO Box 58 Maryfield, SK S0G 3K0
Village of Montmartre	Dale Brenner Administrator	PO Box 146 Montmartre, SK S0G 3M0

Table 2-4: Saskatchewan Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Village of Mortlach	Tracey Gardner Administrator	PO Box 10 Mortlach, SK S0H 3E0
Village of Odessa	Leticia Gould Clerk	PO Box 91 Odessa, SK SOG 3S0
Village of Pennant	Brandi Prentice Administrator	PO Box 57 Pennant, SK S0N 1X0
Village of Richmond	Laurie Baron Administrator	PO Box 29 Richmond, SK S0N 2E0
Village of Rush Lake	Terrie Unger Clerk	PO Box 126 Rush Lake, SK S0H 3S0
Village of Sceptre	Sherry Egeland Administrator	PO Box 128 Sceptre, SK S0N 2H0
Village of Stewart Valley	Corie Lanceleve Administrator	PO Box 126 Rush Lake, SK S0H 3S0
Village of Vibank	Jeanette Schaeffer, Administrator	PO Box 204 Vibank, SK S0G 4Y0
Village of Welwyn	Monica Pethnik Administrator	PO Box 118 Welwyn, SK S0G 4L0

Table 2-5: Manitoba Community and Municipal Authorities

Authority	Contact	Contact Information
City of Brandon	Scott Hildebrand City Manager	410 - 9th Street Brandon, MB R7A 6A2
City of Portage La Prairie	Jean-Marc Nadeau City Manager	97 Saskatchewan Avenue East Portage La Prairie, MB R1N 0L8
City of Steinbach	Jack Kehler City Manager	225 Reimer Avenue Steinbach, MB R5G 2J1
City of Winnipeg	Phil Sheegl Chief Administrative Officer	510 Main Street Winnipeg, MB R3B 1B9
Municipality of Shoal Lake	Nadine Gapka Chief Administrative Officer	306 Elm Street Box 278 Shoal Lake, MB R0J 1Z0
Rural Municipality of Albert	Jacqueline Chapin-Downey Chief Administrative Officer	Box 70 Tilston, MB R0M 2B0
Rural Municipality of Archie	Nicole Dyke Chief Administrative Officer	PO Box 67 318 Railway Avenue McAuley, MB R0M 1H0
Rural Municipality of Birtle	Debbie Jenson Chief Administrative Officer	678 Main Street Box 70 Birtle, MB R0M 0C0
Rural Municipality of Blanshard	Diane Kuculym Chief Administrative Officer	PO Box 179 10 Cochrane Street Oak River, MB R0K 1T0

Table 2-5: Manitoba Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Rural Municipality of Cartier	Anne Burns Chief Administrative Officer	PO Box 117 28 - PR 248 South Elie, MB R0H 0H0
Rural Municipality of Cornwallis	Donna Anderson Chief Administrative Officer	Box 10, Site 500, RR 5 Brandon, MB R7A 5Y5
Rural Municipality of Daly	Lorne Green Chief Administrative Officer	P.O. Box 538 Rivers, MB R0K 1X0
Rural Municipality of De Salaberry	Janine Wiebe Chief Administrative Officer	466 Sabourin Street Box 40 St. Pierre-Jolys, MB R0A 1V0
Rural Municipality of Ellice	Richard Fouillard Chief Administrative Officer	Box 100 St. Lazare, MB R0M 1Y0
Rural Municipality of Elton	Kathleen E. I. Steele Chief Administrative Officer	Elton Municipal Office Forrest, MB R0K 0W0
Rural Municipality of Grey	Kim Arnal Chief Administrative Officer	27 Church Avenue East P.O. Box 99 Elm Creek, MB R0G 0N0
Rural Municipality of Hamiota	Tom Mollard Chief Administrative Officer	PO Box 100 75 Maple Avenue East Hamiota, MB R0M 0T0
Rural Municipality of Hanover	Luc LaHale Chief Administrative Officer	PO Box 1720 28 Westland Drive Steinbach, MB R5G 1N4
Rural Municipality of Headingley	Chris Fulsher Chief Administrative Officer	1-126 Bridge Road Headingley, MB R4H 1G9
Rural Municipality of La Broquerie	Roger Bouvier Chief Administrative Officer	123 Simard Street Box 130 La Broquerie, MB R0A 0W0
Rural Municipality of Langford	Allison Bardsley Chief Administrative Officer	PO Box 280 282 Hamilton Street Neepawa, MB R0J 1H0
Rural Municipality of Lansdowne	Tracey Winthrop-Meyers Chief Administrative Officer	302 Lansdowne Ave Arden, MB R0J 0B0
Rural Municipality of MacDonald	W. Tom Raine Chief Administrative Officer	PO Box 100 161 Mandan Drive Sanford, MB R0G 2J0
Rural Municipality of Miniota	Tina Collier Chief Administrative Officer	PO Box 70 111 Sarah Avenue Miniota, MB R0M 1M0
Rural Municipality of Minto	Aaren Robertson Chief Administrative Officer	49 Main Street Box 247 Minnedosa, MB R0J 1E0
Rural Municipality of Morris	Larry Driedger Chief Administrative Officer	PO Box 518 207 Main Street North Morris, MB R0G 1K0

Table 2-5: Manitoba Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Rural Municipality of North Cypress	Brent McMillan Chief Administrative Officer	PO Box 130 316 - 4th Avenue Carberry, MB R0K 0H0
Rural Municipality of North Norfolk	Valorie Unrau Chief Administrative Officer	PO Box 190 27 Hampton Street East MacGregor, MB R0H 0R0
Rural Municipality of Odanah	Aaren Robertson Chief Administrative Officer	PO Box 1197 49 Main Street South Minnedosa, MB R0J 1E0
Rural Municipality of Pipestone	June Greggor Chief Administrative Officer	Box 99 Reston, MB R0M 1X0
Rural Municipality of Portage la Prairie	Daryl Hrehirchuk Chief Administrative Officer	35 Tupper Street South Portage La Prairie, MB R1N 1W7
Rural Municipality of Reynolds	Trudy Turchyn Chief Administrative Officer	PO Box 46 46044 - PTH #11 Hadashville, MB R0E 0X0
Rural Municipality of Ritchot	Florence May Chief Administrative Officer	352 Main Street St. Adolphe, MB R5A 1B9
Rural Municipality of Rosser	Beverly Wells Chief Administrative Officer	0077E-PR#221 Box 131 Rosser, MB R0H 1E0
Rural Municipality of Saskatchewan	Lois Sharpe Chief Administrative Officer	PO Box 9 435 - 3rd Avenue Rapid City, MB R0K 1W0
Rural Municipality of South Norfolk	Jackie Jenkinson Chief Administrative Officer	215 Broadway Street Box 30 Treherne, MB R0G 2V0
Rural Municipality of Springfield	Scott Smith Chief Administrative Officer	100 Springfield Centre Drive Box 219 Oakbank, MB R0E 1J0
Rural Municipality of St. Francois Xavier	Robert Poirier Chief Administrative Officer	1060 Hwy 26 St. François Xavier, MB R4L 1A5
Rural Municipality of Ste. Anne	Jennifer Blatz Chief Administrative Officer	141 Central Avenue Ste. Anne, MB R5H 1C3
Rural Municipality of Taché	Dan Poersch Chief Administrative Officer	PO Box 100 1294 Dawson Road Lorette, MB R0A 0Y0
Rural Municipality of Victoria	Y. Ivan P. L. Bruneau Chief Administrative Officer	130 Broadway Street Box 40 Holland, MB R0G 0X0
Rural Municipality of Wallace	Janice Thevenot Chief Administrative Officer	Box 2200 Virden, MB R0M 2C0
Rural Municipality of Westbourne	Patricia McCaskill Chief Administrative Officer	65169 Hwy 16 West Box 150 Gladstone, MB R0J 0T0

Table 2-5: Manitoba Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Rural Municipality of Whitehead	Cindy Izzard Chief Administrative Officer	517 - 2nd Avenue Box 107 Alexander, MB R0K 0A0
Rural Municipality of Whitemouth	Laurie Kjartanson Chief Administrative Officer	49 Railway Avenue Box 248 Whitemouth, MB R0E 2G0
Rural Municipality of Woodworth	Carole-Ann Brethour Chief Administrative Officer	220 Cornwall Street P.O. Box 148 Kenton, MB R0M 0Z0
Town of Hamiota	Tom Mollard Chief Administrative Officer	PO Box 100 75 Maple Avenue East Hamiota, MB R0M 0T0
Town of MacGregor	Valorie Unrau Chief Administrative Officer	PO Box 190 27 Hampton Street East MacGregor, MB R0H 0R0
Town of Minnedosa	Ken Jenkins Chief Administrative Officer	PO Box 426 103 Main Street South Minnedosa, MB R0J 1E0
Town of Morris	Brigitte Doerksen Chief Administrative Officer	PO Box 28 #1 - 380 Stampede Grounds Morris, MB R0G 1K0
Town of Neepawa	Richard Beachey Chief Administrative Officer	PO Box 339 275 Hamilton Street Neepawa, MB R0J 1H0
Town of Niverville	G. Jim Buys Chief Administrative Officer	PO Box 267 86 Main Street Niverville, MB R0A 1E0
Town of Rapid City	Bonnie Wright Chief Administrative Officer	PO Box 130 410 - 3rd Avenue Rapid City, MB R0K 1W0
Town of Rivers	Kat Bridgeman Chief Administrative Officer	670 - 2nd Avenue Box 250 Rivers, MB R0K 1X0
Town of Ste. Anne	Nicole Champagne Chief Administrative Officer	30B Dawson Road Ste. Anne, MB R5H 1B5
Town of Virden	Rhonda Stewart Chief Administrative Officer	Box 310 Virden, MB R0M 2C0
Village of Elkhorn	Garth Mitchell Chief Administrative Officer	Box 280 Elkhorn, MB R0M 0N0

Table 2-6: Ontario Community and Municipal Authorities

Authority	Contact	Contact Information
City of Cornwall	Norm Levac Chief Administrative Officer	360 Pitt Street Cornwall, ON K6J 3P9
City of Dryden	Debra Kincaid Acting Clerk	30 Van Horne Ave. Dryden, ON P8N 2A7
City of Kenora	Karen Brown Chief Administrative Officer	1 Main St. South Kenora, ON P9N 3X2
City of North Bay	Jerry Knox Chief Administrative Officer	200 McIntyre St. E. P.O. Box 360 North Bay, ON P1B 8H8
City of Ottawa	Eric Cooper, Program Manager, Legislative and Technical Services Unit	110 Laurier Avenue West Ottawa, ON K1P 1J1
City of Pembroke	Terry Lapierre Chief Administrative Officer/Clerk	1 Pembroke Street East Pembroke, ON vK8A 3J5
City of Temiskaming Shores	Christopher W. Oslund Chief Administrative Officer	P.O. Box 2050 325 Farr Drive Haileybury, ON P0J 1K0
City of Thunder Bay	Tim Commisso City Manager	PO Box 800 500 Donald Street East Thunder Bay, ON P7C 5K4
City of Timmins	Joe Torlone Chief Administrative Officer	220 Algonquin Blvd East Timmins, ON P4N 1B3
County of Lanark	Kurt Greaves Chief Administrative Officer	99 Christie Lake Road Perth, ON K7H 3C6
County of Renfrew	Jim Hutton Chief Administrative Officer/Clerk	9 International Drive Pembroke, ON K8A 6W5
Municipality of Callander	Tina Lococo Chief Administrative Officer/Clerk	280 Main Street North Callander, ON P0H 1H0
Municipality of Calvin	Lynda Kovacs Clerk/Treasurer	1355 Peddlers Dr., RR#2 Mattawa, ON P0H 1V0
Municipality of Charlton and Dack	Dan Thibeault Chief Administrative	RR#2 Englehart, ON P0J 1H0
Municipality of East-Ferris	John Fior Chief Administrative Officer/Clerk	390 Highway #94 Corbeil, ON P0H 1K0
Municipality of Fauquier-Strickland	Robert Courchesne Chief Administrative Officer/Clerk	PO Box 40 25 Chemin Grzela Fauquier, ON P0L 1G0
Municipality of Greenstone	Roy T. Sinclair Chief Administrative Officer	P.O. Box 70 Geraldton, ON P0T 1M0

Table 2-6: Ontario Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipality of Machin	Tammy Rob Clerk/Treasurer	PO Box 249 75 Spruce Street Vermilion Bay, ON P0V 2V0
Municipality of North Grenville	Brian J. Carré Chief Administrative Officer	285 County Road #44 Kemptville, ON K0G 1J0
Municipality of Powassan	Maureen Lang Clerk/Treasurer	PO Box 250 466 Main Street Powassan, ON P0H 1Z0
Municipality of Shuniah	Eric Collingwood Chief Administrative Officer	420 Leslie Ave. Thunder Bay, ON P7A 1X8
Municipality of Temagami	Patrick Cormier Chief Administrative Officer	P.O. Box 220 Temagami, ON P0H 2H0
Municipality of West Nipissing	Jean-Pierre (Jay) Barbeau Chief Administrative Officer	225 Holditch Street Suite 101 Sturgeon Falls, ON P2B 1T1
Municipality of Val Rita-Harty	Christiane Potvin Clerk/Treasurer	36 Municipal St. Val Rita, ON P0L 2G0
Town of Arnprior	Michael Wildman Chief Administrative Officer	105 Elgin St. West Arnprior, ON K7S 0A8
Town of Carleton Place	Paul Knowles Chief Administrative Officer	175 Bridge Street Carleton Place, ON K7C 2V8
Town of Cobalt	Steph Palmateer Chief Administrative Officer/Clerk	Box 70 18 Silver Street Cobalt, ON P0J 1C0
Town of Cochrane	Jean-Pierre Ouellette, Chief Administrative Officer/Clerk	PO Box 490 171 4th Avenue Cochrane, ON P0L 1C0
Town of Deep River	Christopher Carroll Interim Chief Administrative Officer/Treasurer	P.O. Box 401 101 Deep River Road Deep River, ON K0J 1P1
Town of Englehart	Susan Renaud Clerk-Treasurer-Administrator	PO Box 399 Englehart, ON P0J 1H0
Town of Hawkesbury	Jean-Yves Carrier Chief Administrative Officer	600 Higginson Street Hawkesbury, ON K6A 1H1
Town of Hearst	Claude Laflamme Chief Administrative Officer/Clerk	925 Alexandra Street P.O. Bag 5000 Hearst, ON P0L 1N0
Town of Iroquois Falls	Michel Morrissette Clerk Administrator	PO Box 230 253 Main Street Iroquois Falls, ON P0K 1G0
Town of Kapuskasing	Yvan Brousseau Chief Administrative Officer	88 Riverside Drive Kapuskasing, ON P5N 1B3
Town of Kirkland Lake	Nancy Allick CAO	Postal Bag 1757 3 Kirkland St. Kirkland Lake, ON P2N 3P4

Table 2-6: Ontario Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Town of Latchford	Jaime Allen Clerk	PO Box 10 10 Main St Highway 11 Latchford, ON P0J 1N0
Town of Laurentian Hills	Wayne T. Kirby, Chief Administrative Officer/Clerk	34465 Highway 17 R.R. #1 Deep River, ON K0J 1P0
Town of Mattawa	Wayne Belter Clerk/Administrator/Treasurer	PO Box 390 160 Water Street Mattawa, ON P0H 1V0
Town of Mississippi Mills	Diane Smithson Chief Administrative Officer	PO Box 400 3131 Old Perth Road Almonte, ON K0A 1A0
Town of Petawawa	Mitchell Stillman Chief Administrative Officer/Clerk	1111 Victoria Street Petawawa, ON K8H 2E6
Town of Prescott	Randy Helmer Chief Administrative Officer/Clerk	360 Dibble St. W P.O. Box 160 Prescott, ON K0E 1T0
Town of Renfrew	Kim Bulmer Clerk	127 Raglan Street South Renfrew, ON K7V 1P8
Town of Smooth Rock Falls	Luc Denault Chief Administrative Officer/Clerk	P.O. Box 249 142 First Avenue Smooth Rock Falls, ON P0L 2B0
Township of Admaston/Bromley	Annette Louis Clerk/Treasurer	RR #2 477 Stone Road Renfrew, ON K7V 3Z5
Township of Augusta	Mike Larocque Chief Administrative Officer/Clerk	R.R. #2 3560 County Rd 26 Prescott, ON K0E 1T0
Township of Beckwith	Cynthia Moyle Chief Administrative Officer	R.R. #2 1702 9th Line Beckwith Carleton Place, ON K7C 3P2
Township of Black River- Matheson	Heather Smith Clerk/Treasurer	P.O. Box 601 Matheson, ON P0K 1N0
Township of Bonfield	Lise B. McMillan Chief Administrative	365 Highway 531 Bonfield, ON P0H 1E0
Township of Bonnechere Valley	Bryan Martin Chief Administrative Officer	49 Bonnechere St. E. Eganville, ON K0J 1T0
Township of Brethour	Pam Bennewies Clerk/Treasurer	P.O. Box 537, 51476 Brethour Rd. Belle Vallée, ON P0J 1A0
Township of Chamberlain	Karen AK Gerrard Clerk/Treasurer	RR#3 467501 Chamberlain Rd. 5 Englehart, ON P0J 1H0
Township of Champlain	Jean Theriault Chief Administrative Officer/Clerk	948 Pleasant Corner Rd East Vankleek Hill, ON K0B 1R0

Table 2-6: Ontario Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Township of Chisholm	Linda M. Ringler Clerk/Treasurer	R.R. #4 2847 Chiswick Line Powassan, ON P0H 1Z0
Township of Coleman	Claire Bigelow Clerk/Treasurer	RR #1 937907 Marsh Bay Road Coleman, ON P0J 1C0
Township of Dorion	Helena Tamminen Clerk/Treasurer	170 Dorion Loop Rd. Dorion, Ontario P0T 1K0
Township of East Hawkesbury	Linda Rozon Chief Administrative Officer/Clerk	PO Box 340 5151 County Road 14 St-Eugene, ON K0B 1P0
Township of Edwardsburgh Cardinal	Debra McKinstry Clerk/Acting Chief Administrative Officer	PO Box 129 18 Centre Street Spencerville, ON K0E 1X0
Township of Evanturel	Amy Vickery-Menard Clerk/Treasurer	PO Box 209 #245453 Highway 569 Englehart, ON P0J 1H0
Township of Gauthier	Dianne Quinn Clerk/Treasurer	P.O. Box 65, 92 McPherson St. Dobie, ON P0K 1B0
Township of Greater Madawaska	Allison Holtzhauer Chief Administrative Officer/Clerk/Treasurer	PO Box 180 1101 Francis Street Calabogie, ON K0J 1H0
Township of Harley / Township of Casey / Township of Kerns / Township of Hudson	Michel Lachapelle Clerk/Treasurer	RR #2 903303 Hanbury Road New Liskeard, ON P0J 1P0
Township of Harris	Kelly Marshall Clerk/Treasurer	782156 Balls Rd., Harris Twp. RR#3, Site 4-96 New Liskeard, ON P0J 1P0
Township of Hilliard	Janet Gore Clerk/Treasurer	P.O. Box 8, RR#3 952034 Hwy. 569 Thornloe, ON P0J1S0
Township of Horton	Mackie McLaren Chief Administrative Officer/Clerk	2253 Johnston Road RR#5 Renfrew, ON K7V 3Z8
Township of Ignace	Wayne Hanchard Chief Administrative Officer	P.O. Box 248 34 Highway 17 West Ignace, ON P0T 1T0
Township of James	Myrna J. Hayes Clerk/Treasurer	PO Box 10 372 Third Street Elk Lake, ON P0J 1G0
Township of Killaloe, Hagarty and Richards	Lorna Hudder Chief Administrative Officer/Clerk/Treasurer	1 John St., P.O. Box 39 Killaloe, ON K0J 2A0
Township of Larder Lake	Dwight McTaggart Clerk/Treasurer	PO Box 40 Larder Lake, ON P0K 1L0

Table 2-6: Ontario Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Township of Laurentian Valley	Dean Sauriol Chief Administrative Officer/Clerk	460 Witt Road R.R.# 4 Pembroke, ON K8A 6W5
Township of Mattawan	Peter Murphy Mayor	PO Box 610 Mattawa, ON P0H 1V0
Township of Mattice - Val Côté	Manon LeClerc Acting Chief Administrative Officer & Clerk	P.O. Bag 129 Mattice, ON P0L 1T0
Township of McGarry	Gary Cunnington Clerk/Treasurer	27 Webster Street Virginiatown, ON P0K 1X0
Township of McNab/Braeside	Noreen Mellema Chief Administrative Officer/Clerk	R.R.# 2 2508 Russett Drive Arnprior, ON K7S 3G8
Township of Montague	Glenn Barner Chief Administrative Officer	PO Box 755 6547 Roger Stevens Dr. Smiths Falls, ON K7A 4W6
Township of Moonbeam	Carole Gendron Clerk/Treasurer	PO Box 330 53 St-Aubin Ave Moonbeam, ON P0L 1V0
Township of Nipigon	Lindsay Mannila Chief Administrative Officer	PO Box 160 52 Front Street Nipigon, ON P0T 2J0
Township of Nipissing	Charles Barton Chief Administrative Officer/Clerk	45 Beatty Street Nipissing, ON P0H 1W0
Township of North Algona Wilberforce	Kathleen Thur Clerk/Treasurer (Acting)	R.R. #1 1091 Shaw Woods Road Eganville, ON K0J 1T0
Township of North Dundas	Angela Rutley Chief Administrative Officer	636 St. Lawrence Street P.O. Box 489 Winchester, ON K0C 2K0
Township of North Glengarry	Daniel Gagnon Chief Administrative Officer/Clerk	PO Box 700 90 Main Street Alexandria, ON K0C 1A0
Township of North Stormont	Karen McPherson Clerk & Acting Chief Administrative Officer	PO Box 99 15 Union Street Berwick, ON K0C 1G0
Township of Opasatika	Denis Dorval Clerk/Treasurer	PO Box 100 50 Government Road Opasatika, ON P0L 1Z0
Township of Papineau-Cameron	Sandra Morin Clerk/Treasurer	PO Box 630 4861 Highway 17 West Mattawa, ON P0H 1V0
Township of Red Rock	Kal Pristanski Chief Administrative Officer/Clerk/Treasurer	42 Salls St., P.O. Box 447 Red Rock, ON P0T 2P0

Table 2-6: Ontario Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Township of Sioux Narrows-Nestor Falls	Wanda Kabel Chief Administrative Officer	PO Box 417 Sioux Narrows, ON P0X 1N0
Township of South Dundas	Stephen McDonald Chief Administrative Officer	PO Box 160 4296 County Road 31/Bank Street Williamsburg, ON K0C 2H0
Township of South Glengarry	Marilyn Lebrun Acting Chief Administrative Officer	PO Box 220 6 Oak Street Lancaster, ON K0C 1N0
Township of South Stormont	Betty De Haan Chief Administrative Officer/Clerk	PO Box 84 2 Mille Roches Road Long Sault, ON K0C 1P0
Township of Whitewater Region	Christine FitzSimons Chief Administrative Officer/Clerk	44 Main Street Cobden, ON K0J 1K0
United Counties of Leeds and Grenville	Andy Brown Chief Administrative Officer	25 Central Ave West Suite 100 Brockville, ON K6V 4N6
United Counties of Prescott and Russell	Stéphane Parisien Chief Administrative Officer/Clerk	59 Court Street PO Box 304 L'Original, ON K0B 1K0
United Counties of Stormont, Dundas and Glengarry	Tim Simpson Chief Administrative Officer	26 Pitt Street Suite 323 Cornwall, ON K6J 3P2
United Townships of Head, Clara and Maria	Melinda Reith Clerk	15 Township Hall Road Stonecliffe, ON K0J 2K0
Village of Merrickville-Wolford	J. Eagle Chief Administrative Officer	PO Box 340 317 Brock Street West Merrickville, ON K0G 1N0
Village of Thornloe / Township of Armstrong	Reynald Rivard Clerk/Treasurer	P.O. Box 546, 35 Tenth St. Earlton, ON P0J 1E0

Table 2-7: Québec Community and Municipal Authorities

Authority	Contact	Contact Information
Arrondissement de Rivière-des-Prairies - Pointe-aux-Trembles	Dany Barbeau, Directrice générale	7380, boulevard Maurice-Duplessis, bureau 102 Montréal, QC H1E 1M4
Communauté métropolitaine de Montréal (CMM)	Massimo Iezzi Directeur général	1002, rue Sherbrooke Ouest, bureau 2400 Montréal, QC H3A 3L6
Communauté métropolitaine de Québec (CMQ)	Marc Rondeau Directeur général	2875, boulevard Laurier, 10e étage, bureau 1000 Québec, QC G1V 2M2
Municipalité d'Armagh	Sylvie Vachon, Directrice générale	5, rue de la Salle Armagh, QC G0R 1A0
Municipalité de Batiscaan	Pierre Massicotte Directeur général	395, rue Principale Batiscaan, QC G0X 1A0

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipalité de Beaumont	Angèle Brochu, Directrice générale	48, chemin du Domaine Beaumont, QC G0R 1C0
Municipalité de Berthier-sur-Mer	Suzanne G. Blais, Directrice générale	5, rue du Couvent Berthier-sur-Mer, QC G0R 1E0
Municipalité de Bristol	Christina Peck, Directrice générale	32, ch Aylmer Bristol, QC J0X 1G0
Municipalité de Cacouna	Madeleine Lévesque Directrice générale	401, rue Saint-Georges Cacouna, QC G0L 1G0
Municipalité de Cap-Saint-Ignace	Sophie Boucher Directrice générale	850, route du Souvenir Cap-Saint-Ignace, QC G0R 1H0
Municipalité de Champlain	Jean Houde Directeur général	819, rue Notre-Dame, C.P. 250 Champlain, QC G0X 1C0
Municipalité de Chichester	Richard Vaillancourt, Directeur général	75, Notre-Dame Chapeau, QC J0X 1M0
Municipalité de Clarendon	Ruth Potter, Directrice générale	C427, route 148 Clarendon, QC J0X 2Y0
Municipalité de Deschambault-Grondines	Claire Saint-Arnaud Directrice générale	120 rue Saint-Joseph Deschambault-Grondines, QC G0A 1S0
Municipalité de Honfleur	Jocelyne G. Paré, Directrice générale	320, rue Saint-Jean Honfleur, QC G0R 1N0
Municipalité de Kamouraska	Mychelle Lévesque, Directrice générale	67, avenue Morel Kamouraska, QC G0L 1M0
Municipalité de La Durantaye	Cindy Breton Directrice générale	539, rue du Piedmont La Durantaye, QC G0R 1W0
Municipalité de La Visitation-de-l'Île-Dupas	Sylvie Toupin, Directrice générale	113, rue de l'Église La Visitation-de-l'Île-Dupas, QC J0K 2P0
Municipalité de Lanoraie	Michel Dufort Directeur général	57, rue Laroche Lanoraie, QC J0K 1E0
Municipalité de L'Isle-aux-Allumettes	Richard Vaillancourt, Directeur général	75, rue Notre-Dame, C.P. 100 L'Isle-aux-Allumettes, QC J0X 1M0
Municipalité de L'Islet	Colette Lord Directrice générale	284, boulevard Nilus-Leclerc L'Islet, QC G0R 2C0
Municipalité de Litchfield	Jacqueline Brisebois, Directrice générale	1362, Route 148 C.P. 340 Campbell's Bay, QC J0X 1K0
Municipalité de Maskinongé	France Gervais Directrice générale	154, boulevard Ouest Maskinongé, QC J0K 1N0
Municipalité de Mont-Carmel	France Boucher Directrice générale	22, rue de la Fabrique Mont-Carmel, QC G0L 1W0
Municipalité de Notre-Dame-du-Mont-Carmel	Danny Roy, Directeur général	3860, rue de l'Hôtel-de-Ville Notre-Dame-du-Mont-Carmel, QC G0X 3J0

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipalité de Notre-Dame-du-Portage	Louis Breton, Directeur général	560, route de la Montagne Notre-Dame-du-Portage, QC G0L 1Y0
Municipalité de Packington	Denis Moreau, Directeur général	35A, rue Principale Packington, QC G0L 1Z0
Municipalité de Pohénégamook	Marie-Claude Pinet, Directrice générale	1309, rue Principale Pohénégamook, QC G0L 1J0
Municipalité de Pointe-Fortune	Andréa Chouinard, Directrice générale	694, rue Tisseur Pointe-Fortune, QC J0P 1N0
Municipalité de Portage-du-Fort	Tracey Héroult, Directrice générale	24, Church Portage-du-Fort, QC J0X 2T0
Municipalité de Rapides-des-Joachims	Sylvain Bégin, Directeur général	48, rue de l'Église, 2-10 Rapides-des-Joachims, QC J0X 3M0
Municipalité de Rigaud	Chantal Lemieux Directrice générale	391, chemin de la mairie Rigaud, QC J0P 1P0
Municipalité de Saint-Agapit	Isabelle Paré, Directrice générale	1080, avenue Bergeron Saint-Agapit, QC G0S 1Z0
Municipalité de Saint-Alban	Vincent Lévesque Dostie, Directeur général	204, rue Principale Saint-Alban, QC G0A 3B0
Municipalité de Saint-Alexandre-de-Kamouraska	Lyne Dumont, Directrice générale	629, route 289 Saint-Alexandre-de-Kamouraska, QC G0L 2G0
Municipalité de Saint-André-d'Argenteuil	Pascal Surprenant Directeur général	10, rue de la Mairie Saint-André-d'Argenteuil, QC J0V 1X0
Municipalité de Saint-Antonin	Louisiane Dubé Directrice générale	261, rue Principale Saint-Antonin, QC G0L 2J0
Municipalité de Saint-Arsène	François Michaud Directeur général	49, rue de l'Église Saint-Arsène, QC G0L 2K0
Municipalité de Saint-Aubert	Serge Roussel, Directeur général par intérim	14, rue des Loisirs Saint-Aubert, QC G0R 2R0
Municipalité de Saint-Barnabé	Denis Gélinas, Directeur général	70, rue Duguay, C.P. 250 Saint-Barnabé, QC G0X 2K0
Municipalité de Saint-Barthélemy	Francine Rivest Directrice générale	1980, rue Bonin Saint-Barthélemy, QC J0K 1X0
Municipalité de Saint-Bruno-de-Kamouraska	Constance Gagné Directrice générale	4, rue du Couvent, C.P. 10 Saint-Bruno-de-Kamouraska, QC G0L 2M0
Municipalité de Saint-Casimir	René Savard, Directeur général	220, boulevard de la Montagne Saint-Casimir, QC G0A 3L0
Municipalité de Saint-Charles-de-Bellechasse	Denis Labbé Directeur général	2815, avenue Royale Saint-Charles-de-Bellechasse, QC G0R 2T0
Municipalité de Saint-Cuthbert	Richard Lauzon Directeur général	1891 rue Principale Saint-Cuthbert, QC J0K 2C0

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipalité de Saint-Damase-de-L'Islet	Dany Marois Directrice générale	26, chemin du Village Est Saint-Damase-de-L'Islet, QC G0R 2X0
Municipalité de Saint-Elzéar-de-Témiscouata	Denise Dubé Directrice générale	209, rue de l'Église Saint-Elzéar-de-Témiscouata, QC G0L 2W0
Municipalité de Saint-Étienne-des-Grès	Nathalie Vallée Directrice générale	1230, rue Principale Saint-Étienne-des-Grès, QC G0X 2P0
Municipalité de Saint-Eusèbe	Chantal Bouchard Directrice générale	222, rue Principale Saint-Eusèbe, QC G0L 2Y0
Municipalité de Saint-François-de-la-Rivière-du-Sud	Yves Laflamme Directeur général	534, chemin Saint-François Ouest Saint-François-de-la-Rivière-du-Sud, QC G0R 3A0
Municipalité de Saint-Gabriel-Lalemant	Marc Morin Directeur général	12, avenue des Érables Saint-Gabriel-Lalemant, QC G0L 3E0
Municipalité de Saint-Gervais	Patrick Côté Directeur général	150, rue Principale Saint-Gervais, QC G0R 3C0
Municipalité de Saint-Gilbert	Christian Fontaine, Directeur général	110, rue Principale Saint-Gilbert, QC G0A 3T0
Municipalité de Saint-Gilles	Sandra Bélanger, Directrice générale	1540, rue Principale, bureau 110 Saint-Gilles-de-Lotbinière, QC G0S 2P0
Municipalité de Saint-Henri	Jérôme Fortier, Directeur général	219, rue Commerciale Saint-Henri, QC G0R 3E0
Municipalité de Saint-Honoré-de-Témiscouata	Lucie April Directrice générale	99, rue Principale Saint-Honoré-de-Témiscouata, QC G0L 3K0
Municipalité de Saint-Hubert-de-Rivière-du-Loup	Sylvie Samson, Directrice générale	10, rue du Saint-Rosaire, C.P. 218 Saint-Hubert-de-Rivière-du-Loup, QC G0L 3L0
Municipalité de Saint-Ignace-de-Loyola	Fabrice St-Martin, Directeur général	25, rue Laforest Saint-Ignace-de-Loyola, QC J0K 2P0
Municipalité de Saint-Isidore	Louise Trachy, Directrice générale	128, route Coulombe Saint-Isidore, QC G0S 2S0
Municipalité de Saint-Jean-de-la-Lande	Danielle Rousseau, Directrice générale	810, rue Principale Saint-Jean-de-la-Lande, QC G0L 3N0
Municipalité de Saint-Jean-Port-Joli	Stéphen Lord, Directeur général	7, place de l'Église Saint-Jean-Port-Joli, QC G0R 3G0
Municipalité de Saint-Joseph-de-Kamouraska	Nathalie Blais, Directrice générale	300A, rue Principale Ouest Saint-Joseph-de-Kamouraska, QC G0L 3P0

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipalité de Saint-Justin	Caroline Gagnon, Directrice générale	1281, route Gérin Saint-Justin, QC J0K 2V0
Municipalité de Saint-Lambert-de-Lauzon	Magdalen Blanchet, Directrice générale	1200, rue du Pont Saint-Lambert-de-Lauzon, QC G0S 2W0
Municipalité de Saint-Léon-le-Grand	Andrée Ricard Directrice générale	49, rue de la Fabrique Saint-Léon-le-Grand, QC J0K 2W0
Municipalité de Saint-Lin-Laurentides	Richard Dufort, Directeur général	900, 12e Avenue Saint-Lin-Laurentides, QC J5M 2W2
Municipalité de Saint-Louis-du-Ha! Ha!	Gratien Ouellet Directeur général	95, rue Saint-Charles Saint-Louis-du-Ha! Ha!, QC G0L 3S0
Municipalité de Saint-Luc-de-Vincennes	Manon Shallow Directrice générale	600, rue de l'Église St-Luc-de-Vincennes, QC G0X 3K0
Municipalité de Saint-Maurice	Andrée Neault Directrice générale	2510, rang Saint-Jean, C.P. 9 St-Maurice, QC G0X 2X0
Municipalité de Saint-Michel-de-Bellechasse	Ronald Gonthier, Directeur général	129 route 132 Est Saint-Michel-de-Bellechasse, QC G0R 3S0
Municipalité de Saint-Modeste	Alain Vila Directeur général	312, rue Principale Saint-Modeste, QC G0L 3W0
Municipalité de Saint-Nérée-de-Bellechasse	Michaël Couture, Directeur général	1990, rue Principale Saint-Nérée-de-Bellechasse, QC G0R 3V0
Municipalité de Saint-Norbert	Martine Laberge, Directrice générale	2510, rue Principale Saint-Norbert, QC J0K 3C0
Municipalité de Saint-Onésime-d'Ixworth	Geneviève Cloutier Directrice générale	12, rue de l'Église Saint-Onésime-d'Ixworth, QC G0R 3W0
Municipalité de Saint-Pacôme	Frédéric Lee, Directeur général	27, rue Saint-Louis, C.P. 370 Saint-Pacôme, QC G0L 3X0
Municipalité de Saint-Paul	Richard B. Morasse, Directeur général	18, boulevard Brassard Saint-Paul, QC J0K 3E0
Municipalité de Saint-Philippe-de-Néri	Pierre Leclerc, Directeur général	12, côte de l'Église, C.P. 130 Saint-Philippe-de-Néri, QC G0L 4A0
Municipalité de Saint-Pierre-de-la-Rivière-du-Sud	Georges Baillargeon Directeur général	645, 2e Avenue Saint-Pierre-de-la-Rivière-du-Sud, QC G0R 4B0
Municipalité de Saint-Polycarpe	Jacques Brisson, Directeur général	1263, chemin Élie-Auclair Saint-Polycarpe, QC J0P 1X0
Municipalité de Saint-Prosper-de-Champlain	Francine Masse, Directrice générale	375, rue Saint-Joseph Saint-Prosper-de-Champlain, QC G0X 3A0

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipalité de Saint-Raphaël	Paul Beaudoin Directeur général	19, avenue Chanoine-Audet, C.P. 1497 Saint-Raphaël, QC G0R 4C0
Municipalité de Saint-Roch-de- l'Achigan	Philippe Riopelle Directeur général	7, rue du Dr-Wilfrid-Locat Nord Saint-Roch-de-l'Achigan, QC J0K 3H0
Municipalité de Saint-Roch-des- Aulnaies	Cécile Morin, Directrice générale	379, route de l'Église Saint-Roch-des-Aulnaies, QC G0R 4E0
Municipalité de Saint-Roch-Ouest	Sherron Kollar, Directrice générale	806, rang de la Rivière Sud Saint-Roch-Ouest, Québec J0K 3H0
Municipalité de Saint-Sévère	Julien Bernier, Directeur général	47, rue Principale Saint-Sévère, QC G0X 3B0
Municipalité de Saint-Sulpice	Marie-Josée Masson Directrice générale	1089, rue Notre-Dame Saint-Sulpice, QC J5W 1G1
Municipalité de Saint-Télesphore	Nicole Saint-Pierre, Directrice générale	1425, route 340 Saint-Télesphore, QC J0P 1Y0
Municipalité de Saint-Thomas	Danielle Lambert, Directrice générale	1240, route 158 Saint-Thomas, QC J0K 3L0
Municipalité de Saint-Vallier	Claire St-Laurent, Directrice générale	375, montée de la Station Saint-Vallier, QC G0R 4J0
Municipalité de Sainte-Anne-de-la- Pérade	René Roy Directeur général	200, rue Principale Sainte-Anne-de-la-Pérade, QC G0X 2J0
Municipalité de Sainte-Anne-de-la- Pocatière	Sylvie Dionne Directrice générale	395, chemin des Sables Est Sainte-Anne-de-la-Pocatière, QC G0R 1Z0
Municipalité de Sainte-Élisabeth	Lorraine C. Gamelin Directrice générale	2270, rue Principale Sainte-Élisabeth, QC J0K 2J0
Municipalité de Sainte-Geneviève- de-Batiscan	Luc Mathon Directeur général	30, rue St-Charles Sainte-Geneviève-de-Batiscan, QC G0X 2R0
Municipalité de Sainte-Geneviève- de-Berthier	Martine Beaudoin, Directrice générale	400, rang de la Rivière Bayonne Sud Sainte-Geneviève-de-Berthier, QC J0K 1A0
Municipalité de Sainte-Hélène	Marie-Ève Bergeron Directrice générale	531, rue de l'Église Sud Sainte-Hélène, QC G0L 3J0
Municipalité de Sainte-Justine-de- Newton	Denis Perrier Directeur général	2627, rue Principale, C.P. 270 Sainte-Justine-de-Newton, QC J0P 1T0
Municipalité de Sainte-Louise	Maryse Ouellet Directrice générale	80, route de la Station Sainte- Louise (Québec) Sainte-Louise, QC G0R 3K0
Municipalité de Sainte-Marthe	Michel Bertrand Directeur général	776, rue des Loisirs Sainte-Marthe, QC J0P 1W0

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipalité de Sainte-Sophie	Matthieu Ledoux Directeur général	2199, boulevard Sainte-Sophie Sainte-Sophie, QC J5J 2P6
Municipalité de Sainte-Ursule	Diane Faucher Directrice générale	215, rue Lessard Sainte-Ursule, QC J0K 2M0
Municipalité de Sheenboro	Fernand Roy Directeur général	59, chemin de Sheenboro Sheenboro, QC J0X 2Z0
Municipalité de Très-Saint-Rédempteur	David Morin Directeur général	769, route Principale Très-Saint-Rédempteur, QC J0P 1P1
Municipalité de Yamachiche	Linda Lafrenière Directrice générale	366, rue Ste-Anne Yamachiche, QC G0X 3L0
Municipalité régionale de comté (MRC) d'Argenteuil	Marc Carrière Directeur général	430, rue Grace Lachute, QC J8H 1M6
Municipalité régionale de comté (MRC) de Bellechasse	Clément Fillion Directeur général	100, rue Monseigneur-Bilodeau Saint-Lazare-de-Bellechasse, QC G0R 3J0
Municipalité régionale de comté (MRC) de D'Autray	Bruno Tremblay Directeur général adjoint et directeur aménagement	550, rue De Montcalm Berthierville, QC J0K 1A0
Municipalité régionale de comté (MRC) de Joliette	Line Laporte Directrice générale	632, rue de Lanaudière Joliette, QC J6E 3M7
Municipalité régionale de comté (MRC) de Kamouraska	Yvan Migneault Directeur général	425, avenue Patry Saint-Pascal, QC G0L 3Y0
Municipalité régionale de comté (MRC) de La Côte-de-Beaupré	Michel Bélanger Directeur général	3, rue de la Seigneurie Château-Richer, QC G0A 1N0
Municipalité régionale de comté (MRC) de La Jacques-Cartier	Francine Breton Directrice générale	60, rue Saint-Patrick Shannon, QC G0A 4N0
Municipalité régionale de comté (MRC) de La Nouvelle Beauce	Mario Caron Directeur général	700 rue Notre-Dame Nord, bureau B Sainte-Marie, QC G6E 2K9
Municipalité régionale de comté (MRC) de La Rivière-du-Nord	Pierre Godin Directeur général	161, rue de la Gare, Bureau 200 Saint-Jérôme, QC J7Z 2B9
Municipalité régionale de comté (MRC) de L'Assomption	Joffrey Bouchard Directeur général	300-A, rue Dorval L'Assomption, QC J5W 3A1
Municipalité régionale de comté (MRC) de L'Île d'Orléans	Chantale Cormier Directrice générale	3896, chemin Royal Sainte-Famille, Île d'Orléans, QC G0A 3P0
Municipalité régionale de comté (MRC) de L'Islet	Harold Leblanc Directeur général	34-A, rue Fortin Saint-Jean-Port-Joli, QC G0R 3G0
Municipalité régionale de comté (MRC) de Lotbinière	Daniel Patry Directeur général	6375 rue Garneau Sainte-Croix, QC G0S 2H0
Municipalité régionale de comté (MRC) de Maskinongé	Janyse L. Pichette Directrice générale	651, boulevard Saint-Laurent Est Louiseville, QC J5V 1J1

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Municipalité régionale de comté (MRC) de Montcalm	Marc-André Vaillancourt Directeur général	1540, rue Albert Sainte-Julienne, QC J0K 2T0
Municipalité régionale de comté (MRC) de Montmagny	Nancy Labrecque Directrice générale	6, rue St-Jean-Baptiste Est, bureau 300 Montmagny, QC G5V 1J7
Municipalité régionale de comté (MRC) de Pontiac	Rémi Bertrand Directeur général	602, route 301 Campbell's Bay, QC J0X 1K0
Municipalité régionale de comté (MRC) de Portneuf	Josée Frenette Directrice générale	185, Route 138 Cap-Santé, QC G0A 1L0
Municipalité régionale de comté (MRC) de Rivière-du-Loup	Michel Lagacé Préfet	310, rue Saint-Pierre Rivière-du-Loup, QC G5R 3V3
Municipalité régionale de comté (MRC) de Témiscamingue	Lyne Gironne Directrice générale	21, rue Notre-Dame-de-Lourdes, Bureau 209 Ville-Marie, QC J9V 1X8
Municipalité régionale de comté (MRC) de Témiscouata	Jacky Ouellet Directeur général	5, rue de l'Hôtel-de-Ville, bureau 101 Témiscouata-sur-le-Lac, QC G0L 1X0
Municipalité régionale de comté (MRC) de Thérèse-De Blainville	Kamal El-Batal Directeur général	479, boulevard Adolphe-Chapleau Bois-des-Filion, QC J6Z 1J9
Municipalité régionale de comté (MRC) de Vaudreuil-Soulanges	Guy-Lin Beaudoin Directeur général	420, avenue Saint-Charles Vaudreuil-Dorion, QC J7V 2N1
Municipalité régionale de comté (MRC) des Chenaux	Pierre St-Onge Directeur général	630, rue Principale Saint-Luc-de-Vincennes, QC G0X 3K0
Municipalité régionale de comté (MRC) Les Moulins	Daniel Pilon Directeur général	710, boulevard des Seigneurs, 2e étage, B.P. 204 Terrebonne, QC J6W 1T6
Paroisse de L'Épiphanie	Nicole Renaud Directrice générale	331, rang du Bas-de-l'Achigan L'Épiphanie, QC J5X 1E1
Village de Sainte-Pétronille	Jean-François Labbé Directeur général	3, chemin de l'Église Sainte-Pétronille, QC G0A 4C0
Ville de Berthierville	Lincoln Le Breton Directeur général	588, rue de Montcalm Berthierville, QC J0K 1A0
Ville de Blainville	Paul Allard Directeur général	1000, chemin du Plan-Bouchard Blainville, QC J7C 3S9
Ville de Boisbriand	René Lachance Directeur général	940, boulevard de la Grande-Allée Boisbriand, QC J7G 2J7
Ville de Brownsburg-Chatham	René Tousignant Directeur général	300, rue de l'Hôtel-de-Ville Brownsburg-Chatham, QC J8G 3B4
Ville de Cap-Santé	Nancy Sirois Directrice générale	194, route 138 Cap-Santé, QC G0A 1L0
Ville de Charlemagne	Bernard Boudreau Directeur général	84, rue du Sacré-Cœur Charlemagne, QC J5Z 1W8

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Ville de Dégelis	Bernard Caron Directeur général	369, avenue Principale Dégelis, QC G5T 2G3
Ville de Donnacona	Bernard Naud Directeur général	138 ave. Pleau Donnacona, QC G3M 1A1
Ville de Lachute	Pierre Gionet Directeur général	380, rue Principale Lachute, QC J8H 1Y2
Ville de L'Ancienne-Lorette	Serge Lapointe Directeur général	1575, rue Turmel L'Ancienne-Lorette, QC G2E 3J5
Ville de L'Assomption	Martin Lelièvre Directeur général	399, rue Dorval L'Assomption, QC J5W 1A1
Ville de Laval	Gaétan Vandal Directeur général adjoint	1333 boul. Chomedey Laval, QC H7V 3Z4
Ville de Lavaltrie	Yvon Mousseau Directeur général	1370 rue Notre-Dame Lavaltrie, QC J5T 1M5
Ville de L'Épiphanie	Claude Crépeau Directeur général	66 rue Notre-Dame L'Épiphanie, QC J5X 1A1
Ville de Lévis	Jean Dubé Directeur général	2175 chemin du Fleuve Lévis, QC G6W 7W9
Ville de Louiseville	Sonia Desaulniers Directrice générale	105 avenue Saint-Laurent Louiseville, QC J5V 1J6
Ville de Mascouche	Claude Perrotte Directeur général	3034 chemin Sainte-Marie Mascouche, QC J7K 1P1
Ville de Mirabel	Mario Boily, Directeur général	14111, rue Saint-Jean Mirabel, QC J7J 1Y3
Ville de Montmagny	Bernard Létourneau Directeur général	143, rue St-Jean-Baptiste Est Montmagny, QC G5V 1K4
Ville de Montréal	Serge Lamontagne, Directeur général par intérim	275, rue Notre-Dame Est bureau 4.105 Montréal, QC H2Y 1C6
Ville de Montréal-Est	Josée Guy Directrice générale	11370, Notre-Dame, 5e étage Montréal-Est, QC H1B 2W6
Ville de Neuville	Daniel Lepape Directeur général	230, rue du Père-Rhéaume Neuville, QC G0A 2R0
Ville de Pont-Rouge	Jacques Bussière Directeur général	212, rue Dupont Pont-Rouge, QC G3H 1A1
Ville de Portneuf	Danielle Bédard Directrice générale	297, 1er Avenue Portneuf, QC G0A 2Y0
Ville de Québec	Alain Marcoux Directeur général	2, rue des Jardins, C.P. 700, succ. Haute-Ville Québec, QC G1R 4S9
Ville de Repentigny	David Legault Directeur général	435, boulevard Iberville Repentigny, QC J6A 2B6

Table 2-7: Québec Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Ville de Rivière-du-Loup	Jacques Poulin Directeur général	65, rue de l'Hôtel-de-Ville, C.P. 37 Rivière-du-Loup, QC G5R 3Y7
Ville de Saint-Augustin-de-Desmaures	Jean-Pierre Roy Directeur général	200, route de Fossambault Saint-Augustin-de-Desmaures, QC G3A 2E3
Ville de Saint-Basile	Paulin Leclerc Directeur général	20, rue Saint-Georges Saint-Basile, QC G0A 3G0
Ville de Saint-Colomban	Claude Panneton Directeur général	330, montée de l'Église Saint-Colomban, QC J5K 1A1
Ville de Saint-Jérôme	Éric Lachapelle Directeur général	10, rue Saint-Joseph, bureau 301 Saint-Jérôme, QC J7Z 7G7
Ville de Saint-Marc-des-Carières	Maryon Leclerc Directrice générale	965, boulevard Bona-Dussault Saint-Marc-des-Carières, QC G0A 4B0
Ville de Saint-Pascal	Jean Langelier Directeur général	405, rue Taché Saint-Pascal, QC G0L 3Y0
Ville de Sainte-Anne-des-Plaines	Serge Lepage Directeur général	139, boulevard Sainte-Anne Sainte-Anne-des-Plaines, QC J0N 1H0
Ville de Sainte-Thérèse	Chantal Gauvreau Directrice générale	6, rue de l'Église Sainte-Thérèse, QC J7E 3L1
Ville de Témiscouata-sur-le-Lac	Chantal-Karen Caron, Directrice générale	861, rue Commerciale Nord Témiscouata-sur-le-Lac, QC G0L 1E0
Ville de Terrebonne	Luc Papillon, Directeur général	775, rue Saint-Jean-Baptiste Terrebonne, QC J6W 1B5
Ville de Trois-Rivières	Pierre Desjardins Directeur général	1325, place de l'Hôtel-de-Ville, C.P. 368 Trois-Rivières, QC G9A 5H3

Table 2-8: New Brunswick Community and Municipal Authorities

Authority	Contact	Contact Information
City of Fredericton	Chris MacPherson, Chief Administrative Officer	P.O. Box 130 397 Queen Street Fredericton, NB E3B 4Y7
City of Saint John	Patrick Woods City Manager	P.O. Box 1971 15 Market Square Saint John, NB E2L 4L1
Regional Service Commission 1 Commission de services régionaux 1	François Picard, Executive Director/ Directeur général	551 Main Street, Suite 200 C.P.7304 / P.O. 7304 Grand-Sault / Grand Falls, NB E3Z 2W4
Regional Service Commission 8 Commission de services régionaux 8	Steve Roberts, Executive Director/ Directeur général	49 rue Winter Street, Unit 1 Sussex, NB E4E 2W8

Table 2-8: New Brunswick Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Regional Service Commission 9 Commission de services régionaux 9	Jack Keir, Executive Director/ Directeur général	400 rue Main Street, Suite 1010, Place 400 Saint John, NB E2K 4N5
Regional Service Commission 11 Commission de services régionaux 11	Don Fitzgerald, Executive Director/ Directeur général	860 rue Prospect Street Fredericton, NB E3B 2T8
Regional Service Commission 12 Commission de services régionaux 12	David Whiting, Executive Director/ Directeur général	633 rue Main Street Suite 100 & 102 Woodstock, NB E7M 2C6
Rural Community of Upper Miramichi	Mary Hunter Administrative Clerk/Treasurer	6094, route 8 Boiestown, NB E6A 1M7
Town of Florenceville-Bristol	Nancy Shaw Chief Administrative Officer/Town Clerk	19 Station Road Florenceville-Bristol, NB E7L 3J8
Town of Grand Falls / Grand Sault	Peter Michaud, Chief Administrative Officer/Directeur général	131 rue Pleasant Street Suite 200 Grand Falls/Grand-Sault, NB E3Z 1G8
Town of Hampton	Richard Malone Town Manager	27 Centennial Road P.O. Box 1066 Hampton, NB E5N 8H1
Town of Quispamsis	Michael Brennan Town Manager	12 Landing Court P.O. Box 21085 Quispamsis, NB E2E 4Z4
Town of Rothesay	John Jarvie Town Manager/Administrator	70 Hampton Road Rothesay, NB E2E 5L5
Town of Sussex	Scott Hatcher Chief Administrative Officer	524 Main Street Sussex, NB E4E 3E4
Village of Aroostook	Clerk/Treasurer	383 Main St Aroostook, NB E7H 2Z4
Village of Bath	Christa Holmes, Clerk	161 School Street Bath, NB E7J 1C3
Village of Cambridge-Narrows	Alexis Trebble Clerk/Treasurer	6 Municipal Lane Cambridge-Narrows, NB E4C 4P4
Village of Chipman	Susan Kennedy Village Clerk	10 Civic Court, Unit 1 Chipman, NB E4A 2H9
Village de Drummond	Annie Gagné Directrice générale	1412 rue Tobique Drummond, NB E3Y 1H7
Village of Minto	Trila McKenelley, Clerk/Administrator	420 Pleasant Drive Minto, NB E4B 2T3
Village of Norton	Anita Pollock Clerk/Treasurer	P.O Box 335, 201, Route 124 Norton, NB E5T 1J7
Village of Perth Andover	Dan Dionne Chief Administrative Officer	1131 West Riverside Perth-Andover, NB E7H 5G5

Table 2-8: New Brunswick Community and Municipal Authorities (cont'd)

Authority	Contact	Contact Information
Village of Plaster Rock	Patty St. Peter Clerk/Manager	159 Main Street Plaster Rock, NB E7G 2H2
Village de Rivière-Verte	Evelyn Therrien, Secrétaire municipale	78 rue Principale Rivière-Verte, NB E7C 2T8
Village de Saint-André	John Morrissey, Secrétaire municipal	438 rue Levesque Saint-André, NB E3Y 3C7
Village de Sainte-Anne-de- Madawaska	Lise Deschênes Secrétaire-trésorière	75 rue Principale Sainte-Anne-de-Madawaska, NB E7E 1A8
Village of St. Martins	Darcy Hutchinson	Village Clerk 73 Main Street, Unit 2 St. Martins, NB E5R 1B4
Village of Stanley	Bethany Ryan Clerk	20 Main St Stanley, NB E6B 1A2
Village of Sussex Corner	Don Smith Clerk Trasurer	1067 Main Street Sussex Corner, NB E4E 3A1
Ville d'Edmundston	Marc Michaud, Directeur général	Hôtel de ville 7 rue Canada Edmundston, NB E3V 1T7
Ville de Saint-Léonard	Bernard Violette, Administrateur/Secrétaire municipal	108 rue du Pont Saint-Léonard, NB E7E 1Y1

Table 2-9: Other Organizations in Alberta

Authority	Contact	Contact Information
Alberta Assoc of Muni Districts & Counties (AAMDC)	Gerald Rhodes Executive Director	2510 Sparrow Drive Nisku, AB T9E 8N5
Alberta Rural Municipalities Administrators Association (ARMAA)	Valerie Schmaltz Executive Director	6027 - 4th Street NE Calgary, AB T2K 4Z5
Alberta Urban Municipalities Association (AUMA)	John McGowan Chief Executive Officer	300, 8616 - 51 Avenue Edmonton, AB T6E 6E6

Table 2-10: Other Organizations in Saskatchewan

Authority	Contact	Contact Information
Rural Municipal Administrators Association of Saskatchewan	Kevin Ritchie Executive Director	Box 130 Wilcox, SK S0G 5E0
Saskatchewan Association of Rural Municipalities (SARM)	Dale Harvey Executive Director	2075 Hamilton Street Regina, SK S4P 2E1
Saskatchewan Urban Municipalities Association (SUMA)	Laurent Mougeot Chief Executive Officer	#200, 2222 - 13th Avenue Regina, SK S4P 3M7

Table 2-11: Other Organizations in Manitoba

Authority	Contact	Contact Information
Association of Manitoba Bilingual Municipalities (AMBM)	Marc Marion President of the BOD	Suite 200, 614 Des Meurons St Saint-Boniface, MB R2H 2P9
Association of Manitoba Municipalities (AMM)	Joe Massi Executive Director	1910 Saskatchewan Ave. W Portage la Prairie, MB R1N 0P1
Manitoba Municipal Administrators Association	Mel Nott, Executive Director	533 Buckingham Road Winnipeg, MB R3R 1B9

Table 2-12: Other Organizations in Ontario

Authority	Contact	Contact Information
Association of Municipalities of Ontario (AMO)	Pat Vanini	200 University Ave Suite 801 Toronto, ON M5H 3C6
Boating Ontario	Al Donaldson	15 Laurier Rd. Penetanguishene, ON L9M 1G8
Canadian Forces Base Petawawa	Lt. Colonel Louis Lapointe	Menin Rd. Petawawa, ON K8H 2X3
Ducks Unlimited Canada - Ontario Division	James Holland	740 Huronia Road, Unit 1 Barrie, ON L4N 6C6
Federation of Northern Ontario Municipalities	Alan Spacek	c/o Town of Kapuskasing Kapuskasing, ON
Federation of Ontario Cottagers' Association Inc.	Terry Rees	201 - 159 King Street Peterborough, ON K9J 2R8
National Defence and the Canadian Armed Forces	Major Chloëann Summerfield, Coordinator	Garrison Petawawa Headquarters Building S-111, 101 Menin Road P.O. Box 9999, 1 Main CFB Petawawa, ON K8H 2X3
Nature and Outdoor Tourism Ontario	Laurie Marcil	386 Algonquin Avenue North Bay, ON P1B 4W3
Northeastern Ontario Recreation Association	Cindy Dent	200 Brady Street Sudbury, ON P3A 5P3
Northwestern Ontario Municipal Association (NOMA)	Kristen Oliver	P.O. Box 10308 Thunder Bay, ON P7B 6T8
Ontario Municipal Administrators' Association (OMAA)	Maureen McCauley	15 Caledonia Terrace Goderich, ON N7A 2M8
Ontario Recreational Canoe Association	Bruce Hawkins	3 Concorde Gate, Suite #209 Toronto, ON M3C 3N7
Ontario Federation of Agriculture	Mark Wales	100 Stone Road, Suite 206 Guelph, ON N1G 5L3
Ontario Federation of Anglers and Hunters	Angelo Lombardo	4601 Guthrie Drive PO Box 2800 Peterborough, ON K9J 8L5
Ontario Federation of Snowmobile Clubs	Director	501 Welham Road Unit 9 Barrie, ON L4M 8Z6
Ontario Forest Industries Association	Jamie Lim	8 King Street E., Suite 1704 Toronto, ON M5C 1B5

Table 2-12: Other Organizations in Ontario (cont'd)

Authority	Contact	Contact Information
Ontario Fur Managers Federation	Karl Lindstrom	531 Second Line Saul Ste. Marie, ON P6B 4K2
Ontario Good Roads Association	Joe Tiernay	1525 Cornwall Road, Unit 22 Oakville, ON L6J 0B2
Ontario Ground Water Association	K.C. Craig Stainton	48 Front Street East Strathroy, ON N7G 1Y6
Ontario Mining Association	Chris Hodgson	5775 Yonge Street, Suite 520 Toronto, ON M2M 4J1
Ontario Small Urban Municipalities (OSUM)	Jim Collard	Box 1401 Niagara-On-The-Lake, ON L0S 1J0
Ontario Trucking Association	David Bradley	555 Dickson Road Toronto, ON M9W 1H8
Rural Ontario Municipal Association	Bill Vrebosch	390 Highway #94 Corbeil, ON P0H 1K0
Temiskaming Mayors Action Group	Jo Ann Ducharme	Postal Bag 1757 3 Kirkland St. Kirkland Lake, ON P2N 3P4
Tourism Industry Association of Ontario	Beth Potter	25 Adelaide St. East, Suite 1616 Toronto, ON M5C 3A1
Trout Lake Conservation Association	Anthony Falconi	TLCA.northbay@gmail.com
Trout Lake Ratepayers Association	Claude Fortier	claudemfortier@hotmail.com

Table 2-13: Other Organizations in Québec

Authority	Contact	Contact Information
Administration portuaire de Montréal (APM)	Sylvie Vachon, Présidente-directrice générale	Édifice du port de Montréal 2100, avenue Pierre-Dupuy, aile 1 Montréal, QC H3C 3R5
Alliance pour un egestion des interfaces industrielles et résidentielles responsables (AGIIR)	Nicole Loubert Président	2735, rue Aubry Montréal, QC H1L 6P6
Association des centres locaux de développement du Québec (ACLDQ)	Suzie Loubier Directrice générale	155, boul. Charest Est, bureau 160 Québec, QC G1K 3G6
Association des sauvaginaires de la grande région de Québec (ASGRQ)	Daniel Jung, Président	C.P 8972 succ Sainte-Foy Québec, QC G1V 4N8
Association des sauvaginaires de la grande région de Québec (ASGRQ)	Daniel Jung Président	C.P. 8972 succ Saite-Foy Québec, QC G1V 4N8
Association industrielle de l'est de Montréal (AIEM)	Dimitri Tsingakis Président	11370, rue Notre-Dame Est, suite 412 Montréal, QC H1B 2W6

Table 2-13: Other Organizations in Québec (cont'd)

Authority	Contact	Contact Information
Association maritime du Québec (AMQ)	Yves Paquette Directeur général	621, rue Stravinski, Bureau 200 Brossard, QC J4X 1Y7
Association québécoise des entrepreneurs en infrastructure (AQEI)	Caroline Amireault Directrice générale	6555, boul. Métropolitain Est, Bureau 200 Montréal, QC H1P 3H3
Centre local de développement (CLD) d'Argenteuil	Dany Brassard Directeur général	540, rue Berry Lachute, QC J8H 1S5
Centre local de développement (CLD) D'Autray	Marc-André Desjardins Directeur	550, rue Montcalm, bureau 300 Berthierville, QC J0K 1A0
Centre local de développement (CLD) de La Jacques-Cartier	Francine Breton Directrice	60, rue Saint-Patrick Shannon, QC G0A 4N0
Centre local de développement (CLD) de la MRC de Bellechasse	Alain Vallières Directeur général	100, rue Monseigneur Bilodeau Saint-Lazare, QC G0R 3J0
Centre local de développement (CLD) de la MRC de L'Assomption	Olivier Goyet Directeur	435, rue Notre-Dame Repentigny, QC J6A 2T3
Centre local de développement (CLD) de la MRC de Maskinongé	Simon Allaire Directeur	653, boul. Saint-Laurent Est Louiseville, QC J5V 1J1
Centre local de développement (CLD) de la MRC de Montcalm	Sylvana Gingras Directrice	1540, rue Albert, bureau 200 Sainte-Julienne, QC J0K 2T0
Centre local de développement (CLD) de la MRC de Montmagny	Julie Roy Directrice générale	6, rue Saint-Jean-Baptiste Est, bureau 206 Montmagny, QC G5V 1J7
Centre local de développement (CLD) de La Nouvelle-Beauce	Kathleen Giguère Directrice générale	700, rue Notre-Dame Nord, bureau F Sainte-Marie, QC G6E 2K9
Centre local de développement (CLD) de Laval	Manon Caron Directrice générale	1555, boul. Chomedey, bureau 110 Laval, QC H7V 3Z1
Centre local de développement (CLD) de l'Île d'Orléans	Chantale Cormier Directrice générale	3912, chemin Royal, bureau 405 Sainte-Famille, Île d'Orléans, QC G0A 3P0
Centre local de développement (CLD) de L'Islet	Pierre Roy Directeur général	34, rue Fortin Saint-Jean-Port-Joli, QC G0R 3G0
Centre local de développement (CLD) de Mirabel	Jean-Luc Riopel Directeur général	17690, rue du Val-d'Espoir, C.P. 1140 Mirabel, QC J7J 1A1
Centre local de développement (CLD) de Rivière-du-Loup	Marie-Josée Huot Directrice générale	646, rue Lafontaine, bureau 201 Rivière-du-Loup, QC G5R 3C8
Centre local de développement (CLD) des Chenaux	Jean Breton Directeur	630, rue Principale Saint-Luc-de-Vincennes, QC G0X 3K0
Centre local de développement (CLD) du Kamouraska	Sylvain Thiboutot Directeur général	161, route 230 Ouest, bureau 620 La Pocatière, QC G0R 1Z0

Table 2-13: Other Organizations in Québec (cont'd)

Authority	Contact	Contact Information
Commission régionale du port de Gros-Cacouna	Gilles D'Amours, Président	646 rue Lafontaine Rivière-du-Loup, QC G5R 3C8
Conférence régionale des élus (CRÉ) de la Capitale-Nationale	Mario Leblanc, Directeur général	76 rue Saint-Paul, bureau 100 Québec, QC G1K 3V9
Conférence régionale des élus (CRÉ) de la Capitale-Nationale	Mario Leblanc Directeur général	76 rue Saint-Paul, bureau 100 Québec, QC G1K 3V9
Conférence régionale des élus (CRÉ) de la Chaudière-Appalaches	Martin Loiselle, Directeur Groupe Ressources naturelles	6 rue Saint-Jean-Baptiste Est, bureau 101 Montmagny, QC G5V 1J7
Conférence régionale des élus (CRÉ) de la Mauricie	Christian Savard, Directeur général	3450, boulevard Gene-H-Kruger, bureau 200 Trois-Rivières, QC G9A 4M3
Conférence régionale des élus (CRÉ) de Lanaudière	Guy Raynault, Directeur généra	3, rue Papineau, bureau 107 Joliette, QC J6E 2K3
Conférence régionale des élus (CRÉ) de Laval	Manon Caron, Directrice générale	1555, boulevard Chomedey, bureau 220 Laval, QC H7V 3Z1
Conférence régionale des élus (CRÉ) de la Vallée-du-Haut-Saint-Laurent	Jérôme-Antoine Brunelle, Directeur général par intérim	88, rue Saint-Laurent Salaberry-de-Valleyfield, QC J6S 6J9
Conférence régionale des élus (CRÉ) de Lanaudière	Guy Raynault Directeur général	3, rue Papineau, bureau 107 Joliette, QC J6E 2K3
Conférence régionale des élus (CRÉ) de Laval	Manon Caron Directrice générale	1555, boulevard Chomedey, bureau 220 Laval, QC H7V 3Z1
Conférence régionale des élus (CRÉ) de l'Outaouais	Laurent Lampron Directeur générale	394, boulevard Maloney Ouest Gatineau, QC J8P 7Z5
Conférence régionale des élus (CRÉ) de Montréal	Marie-Claire Dumas Directrice générale	1550 rue Metcalfe, bureau 810 Montréal, QC H3A 1X6
Conférence régionale des élus (CRÉ) des Laurentides	Roger Hotte Directeur général	161, rue de la Gare, bureau 205 Saint-Jérôme, QC J7Z 2B9
Conférence régionale des élus (CRÉ) de Montréal	Marie-Claire Dumas, Directrice générale	1550 rue Metcalfe, bureau 810 Montréal, QC H3A 1X6
Conférence régionale des élus (CRÉ) des Laurentides	Roger Hotte, Directeur général	161, rue de la Gare, bureau 205 Saint-Jérôme, QC J7Z 2B9
Conférence régionale des élus (CRÉ) du Bas-Saint-Laurent	Gérald Beaudry, Directeur général	186, rue Lavoie Rimouski, QC G5L 5Z1
Confédération de l'UPA	Isabelle Bouffard	555, boul Roland Therrien, bureau 100, Longueuil QC J4H 3Y9
Fédération de la Montérégie	M. Pierre Caza Directeur de l'aménagement du territoire, développement regional et vie syndicale	6, rue du Moulin, Saint-Rémi, QC J0L 2L0
Conférence régionale des élus (CRÉ) du Bas-Saint-Laurent	Gérald Beaudry Directeur général	186, rue Lavoie Rimouski, QC G5L 5Z1

Table 2-13: Other Organizations in Québec (cont'd)

Authority	Contact	Contact Information
Conseil patronal de l'environnement du Québec (CPEQ)	Hélène Lauzon Présidente	640, rue Saint-Paul Ouest, Bureau 504 Montréal, QC H3C 1L9
Coopérative forestière de l'Outaouais	Claude Vaillancourt Directeur général	195, route 148 Mansfield, QC J0X 1R0
Corporation de développement de l'Est (CDEST)	Didier Fleury Directeur général	2030, boul. Pie-IX, bureau 201 Montréal, QC H1V 2C8
Corporation de gestion de la voie maritime du Saint-Laurent (CGVMSL)	Terence F. Bowles Président et chef de la direction	151, rue de l'Écluse Saint-Lambert, QC J4R 2V6
Fédération de l'UPA de la Montérégie	Christian St-Jacques Président	3800, boulevard Casavant Ouest 6, rue du Moulin Saint-Rémi, QC J0L 2L0 Saint-Hyacinthe, QC J2S 8E3
Fédération Québécoise de Chasseurs et de Pêcheurs	Alain Cossette, Directeur général	162 du Brome St-Augustin-de-Desmaures, QC G3A 2P5
Fédération québécoise des municipalités (FQM)	Ann Bourget, Directrice générale	2954, boulevard Laurier Québec, QC G1V 4T2
Fédération québécoise des municipalités (FQM)	Ann Bourget Directrice générale	2954, boulevard Laurier Québec, QC G1V 4T2
Federation des club de motoneige du Quebec	Serge Ritcher President	4545 Avenue Pierre-De Coubertin Montreal, QC H1V 0B2
Fédération (UPA) de la Rive-Nord	Jacynthe Gagnon Présidente	5185, rue Rideau Québec, QC G2E 5S2
Fédération Québécoise des municipalités (FQM)	Anne Bourget Directrice générale	2954, boulevard Laurier Québec, QC G1V 4T
Fédération (UPA) de Lévis - Bellechasse	Luce Bisson Présidente	5185, rue Rideau Québec, QC G2E 5S2
Fédération (UPA) de Lotbinière - Mégantic	Normand Côté Président	5185, rue Rideau Québec, QC G2E 5S2
Fédération (UPA) de l'UPA de la Chaudière-Appalaches	M. Roch Poulin Directeur regional	2550, 127e Rue Saint-Georges, QC G5Y 5L1
Syndicat de l'UPA - Fermiers de Montmagny	Bruno Nicole Président	538, chemin de la Rivière-du-Sud Saint-François-de-la-Rivière-du-Sud, QC G0R 3A0
Syndicat de l'UPA - François Pilote	Sophie Demougeot Présidente	165, Rang 3 Est La Pocatière, QC G0R 1Z0
Syndicat de l'UPA - L'Islet-Nord	Steve Pelletier Président	856, route Marichon Saint-Jean-Port-Joli, QC G0R 3G0
Syndicat de l'UPA - Saint-Paul	Alain Talbot Président	15, rue Principale Ouest Saint-Fabien-de-Panet, QC G0R 2J0
Syndicat de l'UPA - Transcontinental	André Théberg Président	716, rang des Prés Verts Pohénégamook, QC G0L 1J0

Table 2-13: Other Organizations in Québec (cont'd)

Authority	Contact	Contact Information
Union des municipalités du Québec (UMQ)	Jasmin Savard, Directeur général	680, rue Sherbrooke Ouest, 6e étage Montréal, QC H3A 2M7
Union des producteurs agricoles (UPA)	Marcel Groleau Président	555, boul. Roland-Therrien, bureau 100 Longueuil, QC J4H 3Y9
UPA Bas-Saint-Laurent	Gilbert Marquis Président	284, rue Potvin Rimouski, QC G5L 7P5
UPA Côte-du-Sud	Hervé Dancause Président	1120, 6e Avenue, bureau 100 La Pocatière, QC G0R 1Z0
UPA de Champlain	Natacha Desnoye Directrice regional	230, rue Vachon Trois-Rivières, QC G8T 8Y2
UPA de Chavigny	Martin Marcouiller Président	230, rue Vachon Trois-Rivières, QC G8T 8Y2
UPA de Grand-Pré	Jacques Paquin Président	230, rue Vachon Trois-Rivières, QC G8T 8Y2
UPA Des Chenaux	Mario Charest Président	230, rue Vachon Trois-Rivières, QC G8T 8Y2
UPA Lanaudière	Gilbert Nicole Président	110, rue Beaudry Nord Joliette, QC J6E 6A5
UPA Mauricie	Mme Natacha Desnoyers Président	230, rue Vachon Trois-Rivières, QC G8T 8Y2
UPA Outaouais - Laurentides	Mr. René Ledoux Président	15, chemin de la Grande-Côte, bureau 200 Saint-Eustache, QC J7P 5L3
Fédération de l'UPA de la Capitale-Nationale-Côte-Nord♀	Jaclythe Gagnon Présidente	5185 rue Rideau, QC G2E 5S2
Fédération de l'UPA de l'UPA du Bas-Saint-Laurent	M. Jean-Claude Pareneau Directeur Générale adjoint	284, rue Potvin Rimouski, QC G5L 7P5

Table 2-14: Other Organizations in New Brunswick

Authority	Contact	Contact Information
Agriculture Alliance of New Brunswick	Josée Albert Chief Executive Officer	259 Brunswick Street, Suite 303, Fredericton, NB E3B 1G8
Atlantic Salmon Federation	Bill Taylor President & CEO, P.O.	P.O. Box 5200 St. Andrews, NB E5B 3S8
Bleuets New Brunswick Blueberries	Jamie Morrison Secretary Manager	1350 Regent Street, Hugh John Flemming Centre Fredericton, NB E3C 2G6
Canneberges New Brunswick Cranberries	Daniel Arseneault Chairman	71 Acadie Street Richibucto, NB E4W 3V2
Fundy Model Forest	Nairn Hay General Manager	13 Drury's Cover Road Lower Cove, NB E4E 4E4

Table 2-14: Other Organizations in New Brunswick (cont'd)

Authority	Contact	Contact Information
New Brunswick All Terrain Vehicle Federation (NBATVF)	Jacques Poirier General Manager	1925 Hanwell Road Unit C Hanwell, NB E3C 1M5
New Brunswick Federation of Snowmobile Clubs	Ross Antworth Executive Director	147-B Houlton Rd. Woodstock, NB E7M 1Y4
New Brunswick Federation of Woodlot Owners Inc.	Ken Hardie General Manager	819 Royal Road Fredericton, NB E3G 6M1
New Brunswick Forest Products Association	Hugh John Flemming President	Forestry Centre Fredericton, NB E3C 2G6
New Brunswick Maple Syrup Association Inc	Yvon Poitras General Manager	1350 Regent Street Fredericton, NB E3C 2G6
New Brunswick Mining Association	David Plante Manager	P.O. Box 7129, 567 Coverdale Road, Unit 12 Riverview, NB E1B 4T8
New Brunswick Outfitters Association Inc.	Mike Roy Executive Director	5619 Route 105 Mills Cove, NB E4C 3E5
New Brunswick Prospectors and Developers Association	Elisabeth Spatz DiVeto President	579 Route 635 Lake George NB E6K 3N5
New Brunswick Salmon Council	John Bagnol President	P.O. Box 533 Fredericton, NB E3B 5A6
New Brunswick Trappers and Fur Harvesters Association	Gerry Williamson Executive Director	113 Salisbury Back Rd. Colpitts Settlement, NB E4J 2Z2
Potatoes New Brunswick	Matt Hemphill	P.O. Box 7878 Grand-Falls, NB E3Z 3E8
Port of Saint John	Jim Quinn President & CEO	111 Water Street Saint John, NB E2L 0B1
Sentier NB Trail (SNBT)	Poul Jorgensen Executive Director	P.O.Box 85, Station A Fredericton, NB E3B 4Y2
Tourism Industry Association of New Brunswick	Ron Drisdelle Executive Director	500 Beaverbrook Court, Suite 300 Fredericton, NB E3B 5X4

2.4 ABORIGINAL COMMUNITIES

As discussed in Section 5.2.2, Energy East developed an initial list of Aboriginal communities that may be potentially affected by the Project and community referrals through engagement activities to-date. Aboriginal Communities that will receive this document are provided in Tables 2-15 to 2-20.

Table 2-15: Aboriginal Community Recipients – Alberta

Community	Contact	Contact Information
Blood Tribe	Charles Weasel Head, Chief	PO BOX 60 Standoff, AB T0L 1Y0
Ermieskin Tribe Cree Nation	Craig Makinaw, Chief	PO BOX 219 Hobbema, AB T0C 1N0
Frog Lake First Nation	Clifford Stanley, Chief	General Delivery Frog Lake, AB T0A 1M0
Louis Bull Tribe	Russel Threefingers, Chief	PO BOX 130 Hobbema, AB T0C 1N0
Métis Nation of Alberta: Head Office	Toby Racette, Vice President	100 Delia Gray Bldg. 11738 Kingsway Ave Edmonton, AB T5G 0X5
Métis Nation of Alberta: Region #2	Karen Collins, President	PO BOX 6497 Bonnyville, AB T9H 2H1
Métis Nation of Alberta: Region #3	Marlene Lanz, President	1415 - 28 Street NE Calgary, AB T2A 2P6
Montana First Nation	Bradley Rabbit, Chief	PO BOX 70 Hobbema, AB T0C 1N0
Piikani Nation	Gayle Strikes With A Gun, Chief	PO BOX 70 Brocket, AB T0K 0H0
Saddle Lake Cree Nation	Leonard Jackson, Chief	PO BOX 696, Saddle Lake, AB T0A 3T0
Samson Cree	Kurt Buffalo, Chief	PO BOX 159 Hobbema, AB T0C 1N0
Siksika Nation	Fred Rabbit Carrier, Chief	PO BOX 1100 Siksika, AB T0J 3W0

Table 2-16: Aboriginal Community Recipients – Saskatchewan

Aboriginal Community	Contact	Contact Information
Carry the Kettle First Nation	Barry Kennedy, Chief	P.O. Box 57 Sintaluta, SK S0G 4N0
Cowessess First Nation	Terry Lavallee, Chief	P.O. Box 100 Cowessess, SK S0G 5L0
George Gordon First Nation	Shawn Longman, Chief	Box 248 Punnichy, SK S0A 3C0
Kahkewistahaw First Nation	Louis Taypotat, Chief	P.O. Box 609 Broadview, SK S0G 0K0
Kawacatoose First Nation	Richard Poorman, Chief	P.O. Box 640 Raymore, SK S0A 3J0
Little Black Bear First Nation	Clarence Bellegarde, Chief	P.O. Box 40 Goodeve, SK S0A 1C0
Métis Nation of Saskatchewan	Robert Doucette, President	231 Robin Cres. Saskatoon, SK S7L 6M8
MNS Eastern Region 3	Bev Worsley, Region President	P.O. Box 1188 Fort Qu'Appelle, SK S0G 1S0

Table 2-16: Aboriginal Community Recipients – Saskatchewan (cont'd)

Aboriginal Community	Contact	Contact Information
MNS Western Region 3	Lela Arnold, Region President	Box 987 Lumsden, SK S0G 3C0
Muscowpetung First Nation	Wendall Todd Cappo, Chief	P.O. Box 1310 Fort Qu'Appelle, SK S0G 1S0
Muskowekwan First Nation	Reg Bellerose, Chief	P.O. Box 249 Lestock, SK S0A 2G0
Nekaneet First Nation	Jordi Fourhorns, Chief	P.O. Box 548 Maple Creek, SK S0N 1N0
Ocean Man First Nation	Gloria Shepherd, Chief	P.O. Box 157 Stoughton, SK S0G 4T0
Ochapowace First Nation	Ross Allary, Chief	P.O. Box 550 Whitewood, SK S0J 5C0
Okanese First Nation	Marie-Anne Day-Walker Pelletier, Chief	P.O. Box 759 Balcarres, SK S0G 0C0
Pasqua First Nation #79	M. Todd Peigan, Chief	P.O. Box 79 Pasqua, SK S0G 5M0
Peepeekisis Cree Nation No. 81	Michael Koochicum, Chief	P.O. Box 518 Pasqua, SK S0G 0C0
Pheasant Rump Nakota First Nation	Terrance R. McArthur, Chief	P.O. Box 238 Kisbey, SK S0C 1L0
Piapot First Nation	Jeremy Fourhorns, Chief	General Delivery Zehner, SK S0G 5K0
Sakimay First Nations	B. Lynn Acoose, Chief	P.O. Box 339 Grenfell, SK S0G 0R0
Standing Buffalo Dakota Nation	Rodger G. Redman, Chief	P.O. Box 128 Fort Qu'Appelle, SK S0G 1S0
Star Blanket Cree Nation	Michael Starr, Chief	P.O. Box 456 Balcarres, SK S0G 0C0
White Bear First Nation	Brian Standingready, Chief	P.O. Box 700 Carlyle, SK S0C 0R0

Table 2-17: Aboriginal Community Recipients – Manitoba

Aboriginal Community	Contact	Contact Information
Birdtail Sioux First Nation	Nelson Bunn, Chief	P.O. Box 22 Beulah, MB R0M 0B0
Brokenhead Ojibway Nation	James Bear, Chief	General Delivery Scanterbury, MB R0E 1W0
Buffalo Point First Nation	John Thunder, Chief	P.O. Box 1037 Buffalo Point, MB R0A 2W0
Canupawakpa Dakota First Nation	Raylene Lamport, Chief Executive Officer	P.O. Box 146 Pipestone, MB R0M 1T0
Dakota Plains First Nation	Orville Smoke, Chief	P.O. Box 1246 Portage La Prairie, MB R1N 3J9
Dakota Tipi First Nation	Dave Pashe, Chief	2020 Dakota Drive Dakota Tipi, MB R1N 3X6

Table 2-17: Aboriginal Community Recipients – Manitoba (cont'd)

Aboriginal Community	Contact	Contact Information
Gamblers First Nation	David Ledoux, Chief	P.O. Box 250 Binscarth, MB R0J 0G0
Keeseekoowenin First Nation	James Plewak, Chief	P.O. Box 100 Elphinstone, MB R0J 0N0
Long Plain First Nation	Dennis Meeches, Chief	P.O. Box 430 Portage La Prairie, MB R1N 3B7
Manitoba Métis Federation	David Chartrand, President	300-150 Henry Avenue Winnipeg, MB R3B 0J7
MMF Southeast Region	Denise Thomas, Vice President	P.O. Box 13 Grand Marais, MB R0E 0T0
MMF Southwest Region	Leah LaPlante, Vice President	656-6th Street Brandon, MB R7A 3P1
Rolling River First Nation	Morris Swan-Shannacappo, Chief	P.O. Box 145 Erickson, MB R0J 0P0
Roseau River Anishinabe First Nation Government	Ken Henry, Chief	P.O. Box 30 Ginew, MB R0A 2R0
Sagkeeng First Nation	Donovan Fontaine, Chief	P.O. Box 3 Fort Alexander, MB R0E 0P0
Sandy Bay Ojibway First Nation	Russell Beaulieu, Chief	P.O. Box 109 Marius, MB R0H 0T0
Sioux Valley Dakota Nation	Vincent Tacan, Chief	P.O. Box 38 Griswold, MB R0M 0S0
Swan Lake First Nation	Francine Meeches, Chief	P.O. Box 368 Swan Lake, MB R0G 2S0
Waywayseecappo First Nation Treaty 4 – 1874	Melville Wabash, Chief	P.O. Box 9 Waywayceecappo, MB R0J 1S0

Table 2-18: Aboriginal Community Recipients – Ontario

Aboriginal Community	Contact	Contact Information
Algonquin Consultation Office	Janet Stavinga, Executive Director	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Algonquin of Greater Golden Lake	Patrick Glassford, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Algonquins of Pikwakanagan	Kirby Whiteduck, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Animbiigoo Zaagi'igan Anishinaabek (Lake Nipigon First Nation)	Theresa Nelson, Chief	PO Box 120 Beardmore, ON P0T 1G0
Antoine First Nation	Davie Joanisse, Chief / Land Claim Negotiator	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Anishnaabeg of Naongashiing (Big Island)	Patricia Big George, Chief	PO BOX 335 Morson, ON P0W 1J0
Antoine First Nation	Davie Joanisse, Chief / Land Claim Negotiator	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6

Table 2-18: Aboriginal Community Recipients – Ontario (cont'd)

Aboriginal Community	Contact	Contact Information
Aroland First Nation	Sonny Gagnon, Chief	PO Box 10 Aroland, ON P0T 1B0
Big Grassy River First Nation	Carl M. Tuesday, Chief	Box 414 Morson, ON P0W 1J0
Biinjitiwaabik Zaaging Anishinaabek - Rocky Bay First Nation	Valda Lesperance, Chief	General Delivery Macdiarmid, ON P0T 2B0
Bingwi Neyaashi Anishinaabek (Sand Point First Nation)	Laura Airns, Chief	146 Court Street South Thunder Bay, ON P7B 2X6
Bonnechere Algonquin First Nation	Richard Zohr, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Brunswick House First Nation	Kevin Tangie, Chief	PO Box 1178 Chapleau, ON P0M 1K0
Chapleau Cree First Nation	Keeter Corston, Chief	PO Box 400 Chapleau, ON P0M 1K0
Chapleau Ojibway First Nation	Anita Stephens, Chief	522 Hwy 129 PO Box 279 Chapleau, ON P0M 1K0
Constance Lake First Nation	Fred Sackenay, Chief	General Delivery Calstock, ON P0L 1B0
Flying Post First Nation	Murray Ray, Chief	PO Box 1027 Nipigon, ON P0T 2J0
Fort William First Nation	Georgjann Morriseau, Chief	90 Anemki Drive, Suite 200 Thunder Bay, ON P7J 1L3
Ginoogaming First Nation	Celia Echum, Chief	PO Box 89 Longlac, ON P0T 2A0
Grassy Narrows First Nation	Simon Fobister, Chief	General Delivery Grassy Narrows, ON P0X 1B0
Iskatewizaagegan #39 Independent First Nation (Shoal Lake #39 First Nation)	Eli Mandamin, Chief	General Delivery Kejick, ON P0X 1E0
Kiashke Zaaging Anishinaabek (Gull Bay First Nation)	Wilfred King, Chief	1186 Memorial Avenue Thunder Bay, ON P7B 6P9
Kijicho Manito Madaouskarini (Bancroft)	Katherine Cannon, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Lac Des Mille Lacs First Nation	Judith Maunula, Chief	1100 Memorial Avenue, Suite 328 Thunder Bay, ON P7B 4A3
Lac Seul First Nation	Clifford Bull, Chief	PO Box 100 Hudson, ON P0V 1X0
Long Lake #58	Alan Towegishig, Chief	PO Box 609 Longlac, ON P0T 2A0
Matachewan First Nation	Elenore Hendrix, Chief	PO Box 160 Matachewan, ON P0K 1M0
Matawa First Nations	David Paul Achneepinskum, Chief Executive Officer	233 South Court St., 2nd floor Thunder Bay, ON P7B 2X9

Table 2-18: Aboriginal Community Recipients – Ontario (cont'd)

Aboriginal Community	Contact	Contact Information
Mattagami First Nation	Walter Naveau, Chief	PO Box 99 Gogama, ON P0M 1W0
Mattawa-North Bay Algonquin First Nation	Clifford Bastien Jr., Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Métis Nation of Ontario	Gary Lapinski, President	500 Old St. Patrick St., Unit 3 Ottawa, ON K1N 9G4
Migisi Sahgaigan (Eagle Lake)	Arnold Gardner, Chief	PO Box 1001 Migisi Sahgaigan, ON P0V 3H0
Missanabie Cree First Nation	Jason Gautier, Chief	174B HWY #17 East Garden River, ON P6A 6Z1
MNO Northwestern Ontario/Treaty #3	Theresa Stenlund, Regional Consultation Committee Chair	500 Old St. Patrick St., Unit 3 Ottawa, ON K1N 9G4
MNO: Lake Superior North (Michipicoten/Lakehead/Nipigon)	Cameron Burgess, Regional Consultation Committee Chair	500 Old St. Patrick St., Unit 3 Ottawa, ON K1N 9G4
MNO: Mattawa/Nipissing	Juliette Denis, Regional Consultation Committee Chair	500 Old St. Patrick St., Unit 3 Ottawa, ON K1N 9G4
MNO: Northeastern Ontario (James Bay/Abitibi/Temiskaming)	Marcel Lafrance, Regional Consultation Committee Chair	500 Old St. Patrick St., Unit 3 Ottawa, ON K1N 9G4
MNO: Ottawa River and Southwestern Ontario	Thomas Thompson, Regional Consultation Committee Chair	500 Old St. Patrick St., Unit 3 Ottawa, ON K1N 9G4
Mohawks of Akwesasne	Mike Mitchell, Grand Chief	PO Box 579 Cornwall, ON K6H 5T3
Moose Cree First Nation	Norm Hardisty Jr., Chief	PO Box 190 Moose Factory, ON P0L 1W0
Naotkamegwaning (Whitefish Bay First Nation)	Howard Kabestra, Chief	Pawitik Post Office Pawitik, ON P0X 1L0
Nipissing First Nation	Marianna Couchie, Chief	36 Semo Road Garden Village, ON P2B 3K2
Northwest Angle No.33 First Nation	Dave Paul, Chief	PO Box 59 Sioux Narrows, ON P0X 1N0
Northwest Angle No. 37 First Nation	Aileen Oshie-White, Chief	PO Box 267 Sioux Narrows, ON P0X 1N0
Obashkaandagaang (Washagamis Bay)	Alfred Sinclair, Chief	PO Box 625 Keewatin, ON P0X 1C0
Ochiichagwe'babigo'ining (Dalles)	Lorraine Cobiness, Chief	RR#1, Dalles Rd. Kenora, ON P0X 1C0
Ojibways of Onigaming First Nation	Katherine, Kishiqueb, Chief	PO Box 160 Nestor Falls, ON P0X 1K0
Ojibways of Pic River First Nation	Duncan Michano, Chief	PO Box 193 Heron Bay, ON P0T 1R0
Ottawa Algonquin First Nation	Paul Lamothe, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Pays Plat First Nation	Xavier Thompson, Chief	10 Central Place Pays Plat, ON P0T 3C0

Table 2-18: Aboriginal Community Recipients – Ontario (cont'd)

Aboriginal Community	Contact	Contact Information
Red Rock Indian Band	Peter Pelletier, Chief	PO Box 1030 Nipigon, ON P0T 2J0
Red Sky Metis Independent Nation	Donelda DeLaronde, Executive Director	406 East Victoria Ave. Thunder Bay, ON P7C 1A5
Shabot Obaadjiwan Algonquin First Nation (Sharbot Lake)	Doreen Davis, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Shoal Lake No. 40 First Nation	Irwin Redsky, Chief	General Delivery Kejick, ON P0X 1E0
Snimikobi (Ardoch) Algonquin First Nation	Randy Malcolm, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6
Taykwa Tagamou Nation (New Post First Nation)	Dwight Sutherland, Chief	PO Box 3310, RR3 Cochrane, ON P0L 1C0
Temagami First Nation	Roxane Ayotte, Chief	General Delivery Bear Island, ON P0H 1C0
Wabaseemoong Independent First Nations	John Paishk, Chief	General Delivery Whitedog, ON P0X 1P0
Wabauskang First Nation	Leslie Cameron, Chief	PO Box 418 Ear Falls, ON P0V 1T0
Wabigoon Lake Ojibway Nation	Reubin Canton, Chief	RR 1, Site 115, PO Box 300 Dryden, ON P8N 2Y4
Wabun Tribal Council	Shawn Batisse, Executive Director	Matachewan First Nation, PO Box 160 Matachewan, ON P0K 1M0
Wahgoshig First Nation	David Babin, Chief	RR3 Matheson, ON P0K 1N0
Wauzhushk Onigum - Rat Portage	Ken Skead, Chief	PO Box 1850 Kenora, ON P9N 3X8
Whitney and Area Algonquins	Robert Craftchick, Chief	31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6

Table 2-19: Aboriginal Community Recipients – Québec

Aboriginal Community	Contact	Contact Information
Abénakis de Wôlinak	Denis Landry, Chef	10120 rue Kolipaïo Wôlinak, QC G0X 1B0
Abénakis d'Odanak	Richard Obomsawin, Chef	102 rue Sibosis Odanak, QC J0G 1H0
Algonquin Anishinabeg Nation Tribal Council	Norm Odjick	81 Kichi Mikan Maniwaki, QC J9E 3C3
Atikamekw d'Opitciwan First Nation	Christian Awashish, Chef	22 rue Amiskw Opitciwan, QC G0W 3B0
Conseil de la Nation Inuus Essipit	Martin Dufour, Chef	32, rue de la Réserve Essipit, QC G0T 1K0
Conseil des Inuus de Pessamit	René Simon, Chef	2 rue Ashini Pessamit, QC G0H 1B0

Table 2-19: Aboriginal Community Recipients – Québec (cont'd)

Aboriginal Community	Contact	Contact Information
Conseil des Montagnais du Lac-St- Jean (Mashteuiatsh)	Gilbert Dominique, Chef	Pekuakamiulnuatsh Takuhikan 1671, rue Ouiatchouan Mashteuiatsh, QC G0W 2H0
Eagle Village First Nation - Kipawa	Madeleine Paul, Chief	P.O. Box 756, Eagle Village First Nation Temiscaming, QC J0Z 3R0
Huron-Wendat Nation (Wendake)	Konrad Sioui, Grand Chef	255 Place Chef Michel Laveau Wendake, QC G0A 4V0
Kitigan Zibi Anishinabeg	Gilbert Whiteduck, Chief	1 Paganakomin Mikan Street, P.O. Box 309 Kitigan Zibi, QC J9E 3C9
La Nation Micmac de Gespeg	Claude Jeannotte, Chef	783, boul. Pointe-Navarre - C.P. 69 Fontenelle, QC G4X 6V2
Les Atikamekw de Manawan	Paul-Émile Ottawa, Chef	135 rue Kicik Manawan, QC J0K 1M0
Long Point First Nation	Derek Mathias, Chief	112 Kakinwawigak Mikana, P.O. Box 1 Winneway, QC J0Z 2J0
Micmacs of Gespapegiag	Rodrick Larocque, Chief	100 Perron Blvd, P.O. Box 1280 Gesgapegiag, QC G0C 1Y0
Mi'gmaq of Listuguj	Dean Vicaire, Chief	17, Riverside West Listuguj, QC G0C 2R0
Mi'gmawei Mawiomi Secretariat	Troy Jerome, Executive Director	P.O. Box 135, 2 Riverside Drive West Listugui, Gespe'gewa'gi, Mi'gma'gi, QC G0C 2R0
Mohawks of Kahnawá:ke	Michael Ahrírhon Delisle Jr., Grand Chief	P.O. Box 720 Kahnawake, QC J0L 1B0
Mohawks of Kaneshatà:ke	Serge Simon, Grand Chief	681 Sainte-Philomène Street Kanesatake, QC J0N 1E0
Première Nation Malecite de Viger	Anne Archambault, Grand Chief	217, rue de la Grève - C.P. 10 Cocouna, QC G0L 1G0
Timiskaming First Nation	Terry McBride, Chief	24 Algonquin Avenue Notre Dame du Nord, QC J0Z 3B0
Wemotaci First Nation	David Boivin, Chef	C.P. 221 Wemotaci, QC G0X 3R0
Wolf Lake First Nation	Harold St-Denis, Chief	P.O. Box 998 - 5 Riordon Temiscaming, QC J0Z 3R0

Table 2-20: Aboriginal Community Recipients – New Brunswick

Aboriginal Community	Contact	Contact Information
Assembly of First Nations' Chiefs	Stuart Gilby, Executive Director	150 Cliffe Street Fredericton, NB E3A 0A1
Buctouche First Nation	Ann Mary Simon, Chief	9 Reserve Road Buctouche Reserve, NB E4S 4G2
Burnt Church/ Esgenoôpetitj First Nation	Alvery Paul, Chief	620 Bayview Drive Burnt Church First Nation, NB E9G 2A8
Eel Ground First Nation	George Ginnish, Chief	47 Church Road Eel Ground First Nation, NB E1V 4E6
Eel River Bar First Nation	Mary Lynn Labillois, Chief	11 Main Street, Unit 201 Eel River Bar, NB E8C 1A1
Elsipogtog First Nation	Arren James Sock, Chief	RR1, 373 Big Cove Rd. Elsibogtog First Nation, NB E4W 2S3
Fort Folly First Nation	Rebecca Knockwood, Chief	P.O. Box 1007 Dorchester, NB E4K 3V5
Indian Island Nation	Ken Barlow, Chief	61 Island Drive Indian Island, NB E4W 1S9
Kingsclear First Nation	Gabriel Atwin, Chief	77 French Village Rd. Kingsclear First Nation, NB E3E 1K3
Madawaska Maliseet First Nation	Patricia Bernard, Chief	1771 Main Street Madawaska Maliseet First Nation, NB E7C 1W9
Metepenagiag Mi'kmaq Nation (Red Bank First Nation)	Joseph Ward, Chief	P.O. Box 293 Metepenagiag Mi'kmaq Nation, NB E9E 2P2
Oromocto First Nation	Joe Sacobie, Chief	P.O. Box 417 Oromocto, NB E2V 2J2
Pabineau First Nation	David Peter-Paul, Chief	1290 Pabineau Falls Road Pabineau First Nation, NB E2A 7M3
Saint Mary's First Nation	Candace Paul, Chief	150 Cliffe Street Fredericton, NB E3A 0A1
Tobique First Nation	Brenda Perley, Chief	13156 Route 105 Tobique First Nation, NB E7H 5M7
Woodstock First Nation	Paul Tomah, Chief	3 Wulastook Court Woodstock First Nation, NB E7M 4K6

