



International Boundary Commission
Canada and United States
Joint Annual Report
2019



Cover photos:

Top: GPS receptor over Boundary Monument 15A on the South-East Alaska section(BC and Alaska)

Bottom Left: IBC Team on the Highland South-West Section (Québec and Maine)

Bottom Center: Monument 566 on the West line section (Québec and Vermont)

Bottom Right: Monument 26 on the South-East Alaska section (British Columbia and Alaska)

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**International Boundary Commission
Joint Annual Report 2019**

EXECUTIVE SUMMARY

In compliance with the International Boundary Treaty of 1925, we are pleased to submit the 2019 Joint Annual Report of the International Boundary Commission to our respective countries.

In 2019, more than 15 projects were undertaken to maintain the international boundary between the United States and Canada. Overall, 107 km (67 mi) of vista were cleared of brush, trees and other obstructions to permit a clearly defined boundary line between our two countries. Each individual projects were managed by either the U.S. Section or the Canadian Section of the IBC.

The two IBC sections plan and conduct their operations under the guidance of a mutually agreed upon 15-year maintenance plan. In addition to this plan, the two sections share a web site and Geographic Information System (GIS) and produce a common set of maps, reports and data that are used on both sides of the boundary.

Efforts are currently underway to further harmonize the work of the two sections. The Commission is moving forward in modernizing historic coordinates and datasets that will permit the publication of new geodetic definitions for the boundary. This updated information will be usable in modern applications and in the creation of a new set of official boundary maps.

The Commissioners are pleased to report that the work of maintaining the boundary is proceeding according to plan and the condition of the boundary meets with the requirements of both countries.



Kyle K. Hipsley, Commissioner for the United States



Jean Gagnon, Commissioner for Canada

INTRODUCTION

The boundary between Canada and the United States was defined and refined through a series of twenty-six treaties, conventions, protocols, decisions and awards beginning with the 1783 *Treaty of Peace* and culminating in the 1925 *International Boundary Treaty*. In 1794, the first Commissioners were appointed to resolve ambiguities regarding the exact location of the boundary. The tradition of appointing Commissioners to resolve specific issues was carried on until, in the Treaty of 1925, the positions were made permanent and the Commissioners tasked with the ongoing maintenance of the boundary.

The Mandate of the Commissioners

The *International Boundary Treaty of 1925* set out the responsibilities of the Commissioners as:

- Inspect the various sections of the boundary line between the Dominion of Canada and the United States and between the Dominion of Canada and Alaska at such times as they shall deem necessary;
- Repair all damaged monuments and buoys;
- Relocate and rebuild monuments which have been destroyed;
- Keep the boundary vistas open;
- Move boundary monuments to new sites and establish such additional monuments and buoys as they shall deem desirable;
- Maintain at all times an effective boundary line between the Dominion of Canada and the United States;
- Determine the location of any point of the boundary line which may become necessary in the settlement of any question that may arise between the two Governments.

The Commissioners were further instructed to submit to their respective Governments from time to time, at least once in every calendar year, a joint report containing a statement of the inspections made; the monuments and buoys repaired, relocated, rebuilt, moved, and all newly established monuments; and the mileage and location of vistas opened. The report is to contain plats and tables, giving the locations and geodetic positions of all monuments established within the year, and other information as may be necessary to keep the boundary maps and records accurately revised.

This is the 95th Joint Annual Report from the Commissioners to their respective Governments on the state of the U.S./Canada boundary.

MAINTENANCE ACTIVITIES

The 2019 field season began in May and ended in November. The Commission conducted projects in support of its 15-Year Maintenance Plan as well as projects that advanced its goal of upgrading the geodetic coordinates that define the boundary. The 15-year maintenance plan covers the entire boundary length of over 5525 miles or 8891 km so that the entire border is covered in that time frame.

To ensure efficient and orderly management of boundary maintenance activities, the boundary is split into 8 sections and 30 subsections corresponding to areas with homogeneous characteristics. Projects are presented by subsections and activity from east to west, then north. A description of subsections can be found on the IBC website¹.

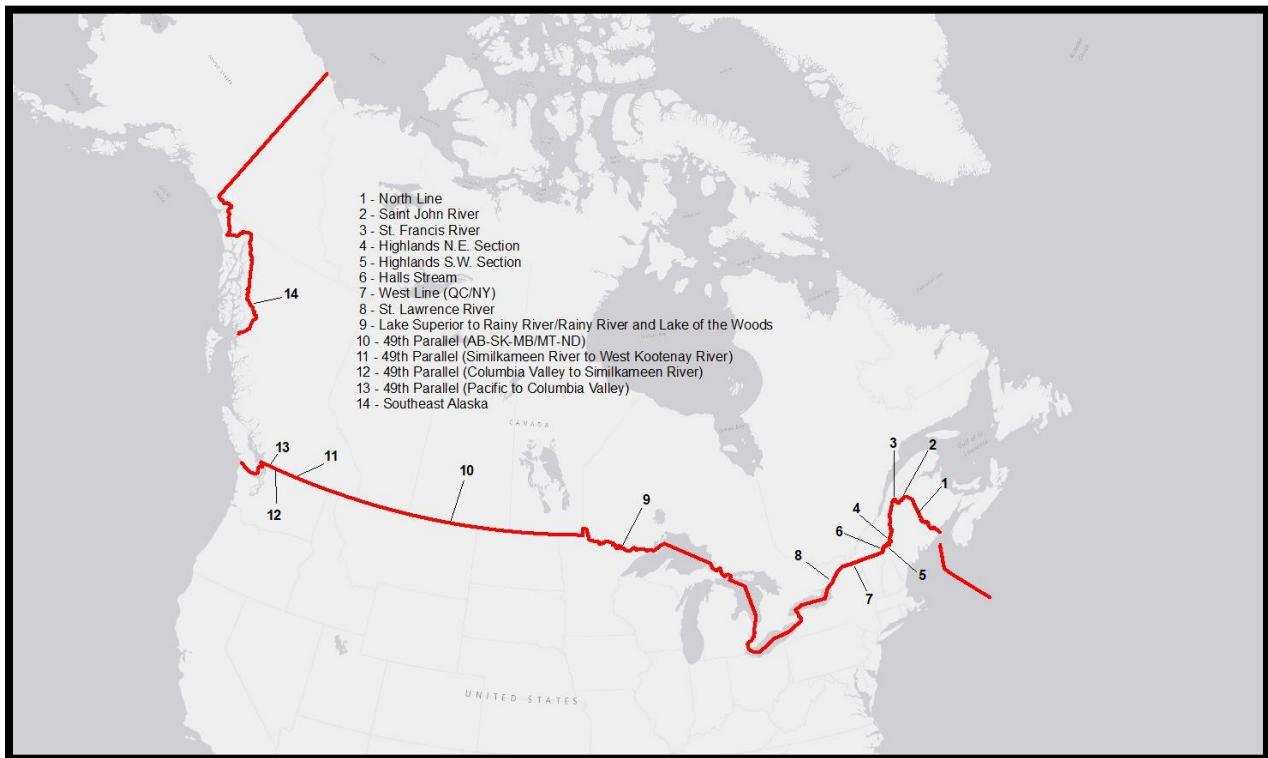


Figure 1 - Location of 2019 IBC field projects

¹ <https://internationalboundarycommission.org/en/maps-coordinates/maps/section-a.php>

2019 North Line Projects

The North Line begins at the source of the St. Croix River and runs approximately 125 km (78 mi) northward to its intersection with the St. John River, separating New Brunswick and Maine. Stretched across farms and forests, the rapidly growing vegetation of this boundary line necessitates frequent maintenance. In 2019, two projects were undertaken in that particular area of the boundary:

North Line (NB/ME) – Vista Clearing

This year, as part of regular maintenance of the vista, the IBC contracted with a private company to perform clearing work along the south half of the North Line. This part of the boundary between Maine and New Brunswick is heavily forested in spruce, fir and hardwoods. The contractor had previously done clearing work in this area for the IBC and thus was experienced in performing the extensive side cutting of the boundary vista that was required. The project extended over 56.3 km (35.2 mi), from Monuments 1 to 49.



Figure 2 – A view of the cleared vista (NB/ME)

North Line (NB/ME) – Monument Maintenance



Figure 3 - Getting ready to make repairs on Mon 52 (NB/ME)

While clearing occurred along the southern part of the North Line, an IBC crew turned its attention north of Monument 49. The monument recovery and maintenance work done this year was much needed, as it had been almost nine years since it had last occurred in this area. The crew inspected 156 monuments and carried out major work on 15 of them. Sometimes it involved replacing obelisks that were accidentally sheared off of their bases by farm equipment or snowplows. The remainder of the monuments with no damages were cleaned and painted.

St. Francis River (QC/ME) – Inspection and Clearing

The St-Francis river section starts at the St. John River and ascends for 70 km (44 mi) until it reaches its source at Lake Pohenegamook. The river, through much of its length, passes through dense woods on the United States side, low farm lands on the Canadian side and has a tendency to meander and change course. What was once entirely a water boundary now has long stretches where the river has diverted, leaving the boundary on land.



Figure 4 - Carbonite post just upriver from Beau Lake with only a foot visible above the high water (QC/ME)

Work along the St. Francis River section of the boundary this year was a continuation of last year's vista clearing and monument recovery. Upon arrival, the IBC crew found water levels to be abnormally high. The river often overruns its banks in the spring, which still proved to be a problem due to a late spring season. As the crew needed to wait for water levels to subside to begin clearing the vista, they started with monument recovery. They travelled up the river by boat; painting and photographing 138 monuments along the way. Seven of the recovered monuments were found to have been destroyed since the IBC's previous visits in 2014, 2015 and 2016. Once the water level returned closer to normal, the crew began clearing the vista. The IBC field crew found that there was substantial brush and tree growth along the line and they cleared 5.2 km (3.2 mi) of the boundary vista. Because some of the boundary is now on land through the upper portion of this section, the Commission is continuing to address how best to mark the boundary, along this meandering water course.

2019 Highlands Projects

The Northeast and Southwest highlands sections are some of the most difficult and challenging areas of the boundary to maintain. These sections run for 282 km (175 mi) starting at the end of the Southwest Branch of the St. John River near Little Lake Saint John and going all the way to the Halls Stream section. The boundary follows the crests of the mountains and ridges that divide the St. Lawrence and Atlantic coastal watershed. Some of the Highlands Mountains rise up to 1,200 m (3,900 ft), are heavily forested and far from civilization. In 2019, two project were undertaken in that particular area of the boundary:

Highlands N.E. Section (QC/ME) – Monument Maintenance



For 2019, the major maintenance work undertaken over the last few years continued in this particular section. The project saw 156 monuments renewed, 17 reestablished and 1 new monument installed. As in previous years, a new type of monument was used (an iron rock bar with an aluminum alloy cap) that should prove to be more resilient and easier to install than the previous concrete cylinders in the rugged terrain and harsh weather conditions of the Highlands.

Figure 5 - New monument type marking point
472-2 (QC/ME)

Highlands S.W. Section (QC/ME) – Monument Maintenance

An IBC crew inspected 883 monuments and performed surveys on 95 of them. A preliminary survey is required to maintain the integrity of the boundary in preparation for future maintenance activities. The team benefited from mild temperatures with little rainfall, allowing them to accomplish this important task quickly and efficiently. The lightweight equipment used limits potential damage to the ecosystems crossed when crews commute along the boundary.



Figure 6 - Crew with equipment at
Mon 478-23 (QC/ME)

Halls Stream (QC/NH) - Survey



Figure 7 - GPS receiver set on RM 511-7 (QC/NH)

survey and inspection campaign was conducted to assess the condition of these markers. A total of 49 marked turning points and 4 reference monuments were inspected and surveyed. As some of the monuments along this section of the boundary have been washed out since they were installed, the Commission is continuing to address how best to mark the boundary where it now falls on land.

2019 West Line Projects

The West Line, between Vermont and Quebec, crosses the scenic mountain vistas and gently rolling hills of the Eastern Townships. It also dips into two of the most scenic lakes of the Northeast, Lake Memphremagog and Lake Champlain, where many early chapters of American and Canadian history were written. In 2019, two projects were undertaken in that particular area of the boundary:

West Line (QC/NY) – Vista Clearing

As part of the maintenance cycle, IBC awarded a vista clearing contract to a local contractor. The scope of work included the vista clearing of trees and brush between Monuments 713A and 755A, for a distance of 34 km (21.3 mi), as well as monument inspection. During the course of operations, the contractor documented the condition of 36 of the 49 boundary monuments.



Figure 8 - View of the vista at Mon 732, looking east (QC/NY)

West Line (QC/NY): Monument Maintenance



This year, an IBC team was tasked with inspecting and repairing monuments along the West line section between monuments 519A and 629, over an approximate distance of 90 km (56 mi). Working intermittently in this section between May and November, the team was able to renew 10 monuments and make minor repairs to 4 other along that particular stretch of the border. The assigned work objectives also included inspection of other monuments that had been reported as being slightly damaged, to assess their deterioration and plan a maintenance schedule for future projects along the West line section.

Figure 9 - Mon 596A (QC/NY)

St. Lawrence River (ON/NY) – Monument Maintenance

Beginning at the intersection of the West Line the boundary follows the St. Lawrence River water course. The St. Lawrence is an active waterway both commercially and recreationally. Boundary reference monuments on both side of the river must be maintained in good condition in order to effectively respond to any question on the location of the line. In 2019, the main objective of this project was to rebuild five Reference Monuments along the St. Lawrence River. Due to poor weather and the field season nearing its end, only Reference Monument 55 was repaired. This project will be revisited during the 2020 IBC field season.



Figure 10 - Mon 55 found in poor condition (ON/NY)

Lake Superior to Rainy River / Rainy River and Lake of the Woods (ON/MN) - Monument Inspection, Survey and Maintenance:

The section of boundary from Lake Superior to Lake of the Woods, being almost entirely a water boundary, passes through 32 lakes and an equal number of connecting rivers. The boundary region between Lake Superior and Rainy River is remote and difficult of access, the area is restricted mainly to recreation activity. The 467 km (290 mi) section of boundary is defined by 1,562 turning points which are referenced by 1,100 monuments.



Figure 11 – RM 183 renewal complete (ON/MN)

The 2019 project for this area was a continuation of a 2017 project to renew the reference monuments along the Loon and Rainy River sections of the boundary. All the reference monuments that had been renewed or relocated in 2017 were surveyed this season by an IBC crew. The team then searched for additional monuments that had not been recovered in 2017 and rebuilt those as needed. Especially noteworthy was the identification of Monument 183 by metal detector. It was covered by 18 inches of soil and had not been recovered in over 50 years. Due to the remoteness and difficult access in that particular project area, the field crew had to rely solely on boat and canoe access and had to make camp each night along the rivers. In total this year, 40 Reference monuments were recovered, 1 was renewed, and 5 new monuments were established. The crew conducted a survey of 39 of the monuments.

49th Parallel (MB/MN/ND): Monument Inspection, Survey and Maintenance

The Manitoba-Minnesota section of the line consists of 153 km (95 mi) along the 49th Parallel and 42 km (26 mi) along the Meridian Line north to the northwestern most Point of Lake of the Woods. The terrain is generally flat and swampy with a heavy growth of trees along much of the boundary. The North Dakota and the balance of the Manitoba international boundary passes mainly through open prairie, broken only by two minor mountain ranges. The Pembina Hills are forest-covered for a distance of 12 mi (19 km), while the Turtle Mountains are tree-covered for a distance of 35 mi (56 km). The purpose of this project during the IBC field season was to conduct GPS surveys in order to fill gaps left by previous surveys along the 49th Parallel between Manitoba and Minnesota. A high level of water on the ground made the work more challenging. While conducting surveys, the IBC crew also photographed, cleaned and painted all boundary monuments that were recovered.



Figure 12 – GPS observations of Mon 851B (MB/MN)

Lake Osoyoos (BC/WA): Monument Maintenance



Figure 13 – Looking east across Lake Osoyoos (BC/WA)

The Okanagan Valley and area around Lake Osoyoos is a populated agricultural and resort area between British Columbia and Washington. In 2016, the IBC placed range towers on the east side of the lake in order to enhance the visibility to both the east side and the west side of the lake up to the Port of Entry. This year, an IBC crew visited the west side of Lake Osoyoos, where they fixed the range towers and cleared the vista up to the point of entry. Additionally, nine IBC monuments were inspected and painted on the western shore of Lake Osoyoos.

49th Parallel (Columbia Valley to Similkameen River) – Vista Clearing

The British Columbia-Washington boundary traversing the mountain ranges inland from the Pacific, presents one of the more difficult sections of the line to maintain. Mountains are abrupt and densely forested. As part of the IBC's 15-year maintenance cycle, this section of the boundary was slated for vista clearing activities. A combination of extremely high contracting prices, lack of availability of helicopter support and bad weather made progress on the work difficult. Despite those circumstances, an IBC crew was still able to clear 4.2 km (2.6 mi) of vista. This project will be continued in 2020.



Figure 14 - Looking down to Columbia Valley from Vedder Mountain (BC/WA)

49th Parallel (Pacific to Columbia Valley) (BC/WA) – Vista Clearing

This area known as the “Fraser Valley” between British Columbia and Washington is situated at the western end of the 49th Parallel Boundary and has been intensely developed both agriculturally and residentially. Another particular characteristic of the area is the prolific vegetation growth rates. This vista clearing project had two distinct sections: A 15 km (9.3 mi) section of the flat farmland in the Fraser Valley, within which a 3.3 km (2.1 mi) of vista required clearing, and a 3.9 km (2.4 mi) section on the slopes of Vedder Mountain. The work on the mountain section was plagued by high winds and heavy rain, as well as the steep terrain. The crew reported that trees in this area have a fast growth rate, as evidenced by some 10-year-old trees in the center of the vista with diameters of 25.4 cm (10 in).



Figure 15 – Vista clearing operations (BC/WA)

Southeast Alaska (BC/AK) – Monument Maintenance and Survey

The Southeast Alaska boundary was first surveyed during the years 1904 to 1914. Until the 1970's no extensive maintenance had been completed since the original survey. The boundary line crosses Dixon Entrance and ascends the length of Portland Canal for a total distance of 290 km (180 mi). From the head of the canal, the line follows a series of mountain peaks about 48 km (30 mi) from the coast until it intersects the 141st Meridian. While much of the line passes over perpetual snowfields, numerous rivers



Figure 16 - GPS receiver setup on Mon 15A



Figure 17 - View from Mon 26 (BC/AK)

lined with heavy timber cross the boundary between mountain peaks. In 2019, an IBC crew conducted a monument maintenance project just north of Stewart, British Columbia on Monuments 1 through 65 and performed GPS observations. This is where the boundary transitions from the Portland Canal into the Coastal Mountain Ranges. It is extremely rugged country. Of the 58 monuments that were recovered, 36 needed repairs.

COMMISSIONERS' ACTIVITIES

Field inspections

On-site inspections by the Commissioners give them the opportunity to see in person the projects currently being carried out by the Commission.

This year, the Canadian and U.S. Commissioners conducted a joint inspection of the Portland Canal section of the boundary. There are many challenges to this section, foremost being the difficult terrain. Accessing the IBC's monuments by helicopter or overland is virtually impossible. Access by boat involves getting a crew and equipment from the boat to dry land across slippery rocks with few natural landing places. While in the area, the Commissioners also visited the U.S. crew doing monument maintenance work in Southeast Alaska.

Individually, the U.S. Commissioner, U.S. Deputy Commissioner and Canadian IBC Manager inspected other areas of the boundary. The U.S. Commissioner visited a field crew in Montana and the U.S. Deputy Commissioner inspected a section of the 49th parallel boundary where their crews were conducting vista clearing, monument maintenance and survey work. The Canadian IBC Manager made three additional field inspections this year. The first was of the Halls Stream area to assess the effectiveness of new survey and monumentation methods in the area of a meandering water course. The second field inspection was in the Highlands sections where Canadian crews have been involved in a multi-year campaign to update the coordinates of the boundary points to the NAD83 datum, renew a significant number of boundary monuments, and continue efforts to maintain a vista clear of brush, scrub and trees. The third field inspection by the Canadian IBC Manager was to the 49th Parallel in British Columbia where a Canadian crew was performing monument inspection and vista clearing work.

Commissioners' Meetings

In 2019, the Commissioners met twice, first on April 9th and 10th in Washington, D.C., and again on November 19th and 20th in Ottawa. Mathieu Fortin attended his first meeting of the IBC Commissioners in his position as incoming manager of the Canadian section of the International Boundary Commission.

The spring meeting covers and agrees upon the work to be performed in the upcoming field season and the fall meeting covers what was accomplished that year. The Commissioners also discussed several other subjects during these meetings:

Mapping

In order for the IBC to release new maps of the boundary, the coordinates for the boundary in a section must have been updated to a modern datum, approved by the Commissioners. These boundary maps and geographic positions are released to the public in the form of a special report.

Datum Update and Adjustments

The IBC is engaged in a multi-year effort to bring its definition of the boundary into the current modern datum. This undertaking included a complete resurvey of the boundary sections using modern methods such as GPS. Results of such field surveys combined with historical data analysis result in more accurate and precise boundary monument coordinates when they are damaged or destroyed so that they can easily be replaced.

NATRF 2022

The National Geodetic Survey (NGS) is the authority for geospatial referencing in the United States. In order to provide better horizontal and vertical frames of reference for users and emerging technologies, the NGS is in the process of creating a new datum around 2025. This new datum, named NATRF 2022, will be based on the Global Navigation Satellite System and will incorporate a refinement of the geocentric position of the earth core. While Canada may follow suit within the next decade, this change will introduce significant differences between the two countries' reference frames. The IBC is working on how to address these changes and the best means of incorporating them into materials they produce about the boundary.

Obstructions in the Vista

Part of the mandate of the IBC is to maintain an effective boundary line through keeping the boundary vista open. Besides the boundary monumentation that the IBC maintains, the IBC's mandate requires a clear 20 feet wide corridor between the monuments to ensure that there is no mistaking in where the boundary lies.

This year, as in most, the IBC discovered multiple structures within the vista for which the Commissioners had not given their approval, and which obstructed the vista that marks the boundary. The nature of vista obstructions can range from temporary structures, such as hunting caches in some of the remote sections, to whole buildings best exemplified by the historic line houses that were built across the boundary. In between these two extremes are fences, utility poles, retaining walls, pipelines, drainage ditches and even airport runways. The Commission works with any individual or group (e.g., utility companies, municipalities or law enforcement agencies) that has created an obstruction within the vista in order to have it removed and keep the boundary vista free of encroachment in accordance with treaty mandates.

While working in the Fraser Valley this year, IBC crews discovered multiple fences, poles, retaining walls and other unauthorized constructions within the vista. Please see the Regulatory Items section of this report for more information on particular cases.

REGULATORY ITEMS

The Commission monitors the construction of all works within 3.05 m (10 ft) of the boundary. Thus, all construction - whether a ditch, building, surface, underground structure (telephone, cable, electrical line or gas pipeline), line of communication or other - must first be authorized by the Commission. In 2019, the commissioners dealt with the following regulatory item requests and issues:

Highway 13 in British Columbia

A request for authorization for the widening of highway 13 in Langley, British Columbia was received on January 4, 2019. After investigation, this proposed work did not necessitate the Commissioner's approval, since it is outside the IBC jurisdiction.

Peace Garden Airport Runway Extension in North Dakota

A request for authorization to extend the runway at the Peace Garden airport in Dunseith, North Dakota was received on February 4, 2019. After investigation, this proposed work did not necessitate the Commissioner's approval, since it is outside the IBC jurisdiction.

Upgrading a culvert along 0 avenue in British Columbia

On April 23, 2019, a regulatory item was granted to the Municipality of Langley, British Columbia, for the upgrade of a drainage culvert inside the boundary regulated zone of 3.05 m (10 ft).

Utility poles along 0 Avenue in British Columbia

A power distribution and a telecommunication company have erected utility poles within the restricted zone along 0 Avenue in the Fraser Valley. At the request of the IBC, one of the companies has removed its equipment from the vista. The IBC will follow up with the other company to remove equipment and finally the poles themselves.

Recycling Plant in British Columbia

A company located near the Huntington B.C./Sumas Washington Point of Entry has built a fence and retaining wall within the restricted zone. The IBC is in communication with the company to get the encroaching structures moved and return the regulated zone to its original state.

Hunting Caches in Quebec

In the South and Southwest Lines section of the boundary that borders the Province of Quebec on the north and the state of Maine on the south, the cleared boundary vista the IBC maintains can be attractive for hunters looking for clear lines of sight. In some cases, these same hunters build blinds and caches, some of which are within the vista. IBC field crews catalogued, photographed and geolocated many of these blinds during the course of their work and the information is being passed along to the Quebec Ministry of Natural Resources for appropriate action since these are located and encroaching on Crown land.

Low-tension Cable Fencing System in Washington

On August 9, 2019, a regulatory item was granted to the US Customs and Border Protection Agency, for the installation of a low-tension fencing system between Boundary Road and O Avenue. The main purpose of the system was to prevent unintentional entries into both countries and traffic incidents along these two roads.

Electrical Fence in Washington

A stretch of electrified fence was found inside the restricted zone on the U.S. side of the boundary along Henderson Avenue, British Columbia. The U.S. section will contact the landowner to seek a resolution to this issue.

Poles and Electrical Meters within the Vista in British Columbia

Electrical poles with meters attached were found within the vista. The poles are connected to a Canadian network, but the service is for a U.S. property.

REPORT ON COMPARABLE EXPENDITURES

This report shows the total amount spent by both sections of the Commission as of March 31, 2019, for maintenance of the boundary line under Section IV of the *Treaty of Washington 1925*.

The cumulative total represents the total spending of each section, since 1925, on expenditures deemed comparable. Comparable expenditures are the subject of an agreement by both Commissioners as to the interpretation of Section IV of the *Treaty of 1925* and are revised regularly. The current agreement has been in effect since April 1, 1999. Under the agreement, and according to the Treaty, the expenditures do not include salaries or expenditures by the Commissioner and the Commissioner's assistants, including administrative staff, i.e., the permanent staff of each Section. Therefore, this expenditure report is not a financial report, as it does not include all the expenditures incurred by each section.

The purpose of compiling cumulative expenditures since the Commission's origins is to demonstrate that the efforts of both governments are shared equally.

Expenditures are shown in each country's respective currency.

**International Boundary Commission
Joint Annual Report 2019**

Excerpt of Comparable Expenditures to March 31, 2019



**International
Boundary
Commission**



**Commission
de la frontière
internationale**



CERTIFIED STATEMENT OF COMPARATIVE EXPENDITURES

**MADE BY
THE UNITED STATES AND CANADA
JOINTLY INCURRED BY THE COMMISSIONERS IN
MAINTAINING THE DEMARCTION OF THE BOUNDARY LINE
IN ACCORDANCE WITH THE PROVISIONS OF
THE TREATY OF 1925, AS OF MARCH 31, 2019**

	United States (USD)	Canada (CAD)
Total to March 31, 2018	25,576,280.43 \$	26,547,491.07 \$

Projects from April 1, 2018 to March 31, 2019

Southwest and South Lines - Project 201719027	209,145.99 \$
Vista clearing (134.5km/84 mi.) and inspection (Mon. 178 to 309)	209,145.99 \$
Highlands N.E. Section (QC/ME) - Project 201719028	77,317.75 \$
Monument maintenance and survey (Mon. 314 to 445.3)	77,317.75 \$
Highlands S.W. Section (QC/ME) - Project 201719029	205,459.59 \$
Vista clearing (85.9km/53.7 mi.) and survey (Mon. 452 to 507)	205,459.59 \$
West Line (QC/NY) - Project 20171930	256,372.04 \$
Vista clearing contract (Mon. 634 to 713A - 69km/43.1 mi.)	256,372.04 \$
West Line (QC/VT) - Project 201719031	58,722.43 \$
Monument maintenance (Mon. 535F to 654A)	58,722.43 \$
49th Parallel (Pacific to Columbia Valley) - Project 201819004	32,218.55 \$
Inspection and monumentation (Mon. 1 to 43)	32,218.55 \$
Saint John River (ME/QC) - Project GJH-01-18	103,992.37 \$
RM Maintenance and Surveys (TP 1 to TP 232)	103,992.37 \$
St. Francis River (ME/QC) - Project GJH-02-18	61,720.55 \$
Inspection and Vista clearing (TP 356 to TP 716)	61,720.55 \$
North Line (ME/NB) - IBC-01-18 Vista clearing contract and inspections (42.55 mi./68.5 km) Mon 49 to Mon 117-73	158,385.91 \$
49th Parallel (MB/ND) and 49th Parallel (AB-SK-MB/MT-ND)	150,063.51 \$
Project BCC-01-18 - Survey CRFO (Mon. 524 to Mon. 833)	150,063.51 \$
Southeast Alaska (AK/BC) - Project IBC-02-18. Vista Clearing Contract (Mon 52 to Mon 65) and contract inspections	276,399.79 \$
Southeast Alaska (AK/BC) - Project IBC-02-17 Vista Clearing Contract and inspections (Mon 29 to Mon 52).	314,573.42 \$
49th Parallel (AB-SK-MB/MT-ND) and 49th Parallel (Foothills to West Kootenay River) - Project PDH-02-18 Surveys (Mon. 281A to Mon.	160,280.00 \$
49th Parallel (Foothills to West Kootenay River) - Project PDH-01-18 Set Monument 216	18,829.00 \$

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Other expenditures from April 1, 2018 to March 31, 2019

Vehicle Replacement		40,919.00	\$
GPS Equipment	34,503.00		\$
ATV Replacements	19,908.00		\$
Printing	4,691.38		\$
Commissioners Monument Engraving - BCC-02-18	680.00		\$
Sub-total for 2018-19	1,304,026.93		\$ 880,155.35
Total as of March 31, 2019	26,880,307.36		\$ 27,427,646.42

NOTE: It is recognized that fluctuations in exchange rates are not reflected in the total expenditures by each country.

I hereby certify that the above amount of **26,880,307.36 \$** is an accurate statement of the total amount expended to March 31, 2019 on the part of the United States in the joint maintenance of the International Boundary Line under the Article IV of the Treaty of 1925.

Kyle K. Hipsley
Commissioner for the United States

Signed in Ottawa on November 19, 2019

I hereby certify that the above amount of **27,427,646.42 \$** is an accurate statement of the total amount expended to March 31, 2019 on the part of Canada in the joint maintenance of the International Boundary Line under the Article IV of the Treaty of 1925.


Jean Gagnon
Commissioner for Canada

Signed in Ottawa on November 19, 2019

COMMISSIONERS OF THE IBC

UNITED STATES

Otto H. Tittmann	1904 – 1915
Edward C. Barnard	1915 – 1921
E. Lester Jones	1921 – 1929
James H. Van Wagenen	1929 – 1935
Thomas Riggs	1935 – 1945
John A. Ulinski	1945 – 1953
Samuel L. Golan	1953 – 1961
Edward J. King	1961 – 1969
Richard L. Herman	1969 – 1977
William M. Schreiber	1977 – 1981
Frank R. Whetstone	1981 – 1985
David C. Fischer	1985 – 1991
Allen C. Kolstad	1991 – 1993
Clyde Moore (Acting)	1993 – 1996
Thomas L. Baldini	1996 – 2002
Dennis L. Schornack	2002 – 2007
David L. Bernhardt	2007 – 2008
Kyle K. Hipsley (Acting)	2008 – 2014
Kyle K. Hipsley	2014 –

CANADA

William F. King	1904 – 1916
James J. McArthur	1917 – 1924
John D. Craig	1925 – 1931
Noel J. Ogilvie	1931 – 1947
James M. Wardle	1947 – 1950
J. Leslie Rannie	1950 – 1951
J. Earl R. Ross	1951 – 1957
A. Frederick Lambert	1957 – 1976
Alec C. McEwen	1976 – 1991
Suzanne Jacques	1991 – 1996
Michael O'Sullivan	1996 – 2005
Peter J. Sullivan	2005 – 2017
Jean Gagnon	2017-

CERTIFICATION

We certify that the foregoing is a true record of the work done by the Commissioners during the year ending December 31, 2019 on the maintenance of the International Boundary Line between Canada and the United States of America, and that the plats and tables submitted herein show the true location and geodetic position of all monuments moved and all additional monuments and marks established within the year, in accordance with the provisions of Article IV of the Treaty between the United States of America and His Britannic Majesty in respect of Canada signed at Washington, February 24, 1925.

Jean Gagnon
Commissioner for Canada

Kyle K. Hipsley
Commissioner for the United States



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APPENDIX A – DETAILS OF MAINTENANCE AND SURVEY WORK

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Legend

Boundary Monument Type:	MON	Monument (Artificial feature set to mark the international boundary)
	LM	Line Mark (Artificial feature set between established boundary points)
	RG	Range Mark (Artificial feature set to define turning points by means of alignment)
	RM	Reference Monument (Artificial feature set to define turning points by traverse)
Reconnaissance:	G	Recovered In Good Condition
	F	Recovered in Fair Condition (requires minor repair)
	P	Recovered in Poor Condition (requires major repair)
	D	Destroyed (evidence found but Monument not in place)
	NR	Not Recovered (no evidence found or inadequate search)
Established:	NM	New Monument constructed (in new location)
	R	Renewed (in same location)
Repairs:	MI	Minor repairs to base (cracks patched, plumbed, dirt packed at base, etc.)
	MA	Major repairs (new marker installed, base partially replaced or recapped)
Painted:	MP	Monument Painted
Description:	DU	Description Updated
	ND	New Description (newly established monuments only)
Photo:	YES	Photographed
	NO	Not Photographed
Monument Surveyed:	S	Survey performed to position the monument

North Line
(New Brunswick/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 1	G			MP		YES	
MON 1A	P			MP		YES	
MON 1B	P			MP		YES	
MON 2	G			MP		YES	
MON 2A	F			MP		YES	
MON 3	P			MP		YES	
MON 3A	P			MP		YES	
MON 4	G			MP		YES	
MON 5	F			MP		YES	
MON 5A	G			MP		YES	
MON 6	G			MP		YES	
MON 6A	F			MP		YES	
MON 7	G			MP		YES	
MON 8	F			MP		YES	
MON 8A	G			MP		YES	
MON 9	G			MP		YES	
MON 10	F			MP		YES	
MON 10A-59	F			MP		YES	
MON 10B	G			MP		YES	
MON 10C	F			MP		YES	
MON 10D	G			MP		YES	
MON 10E	F			MP		YES	

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***North Line*
(New Brunswick/Maine)**

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 11	P			MP		YES	
MON 11A	G			MP		YES	
MON 11B	F			MP		YES	
MON 12	G			MP		YES	
MON 13	G			MP		YES	
MON 13A	P			MP		YES	
MON 13B	G			MP		YES	
MON 14	G			MP		YES	
MON 14A	G			MP		YES	
MON 15	G			MP		YES	
MON 15A	P			MP		YES	
MON 15B	G			MP		YES	
MON 16	F			MP		YES	
MON 16A	G			MP		YES	
MON 17	F			MP		YES	
MON 17A	F			MP		YES	
MON 18	F			MP		YES	
MON 18A-66	G			MP		YES	
MON 19A	G			MP		YES	
MON 19A1	F			MP		YES	
MON 19A2	G			MP		YES	
MON 19A3	G			MP		YES	
MON 19A4	G			MP		YES	
MON 19B	G			MP		YES	
MON 19C	G			MP		YES	
MON 20	G			MP		YES	
MON 20A	G			MP		YES	
MON 21	F			MP		YES	
MON 21A	G			MP		YES	
MON 21B	G			MP		YES	
MON 21C	G			MP		YES	
MON 21D	G			MP		YES	
MON 22	F			MP		YES	
MON 22A	F			MP		YES	
MON 23	G			MP		YES	
MON 23A	F			MP		YES	
MON 24	F			MP		YES	
MON 24A	G			MP		YES	
MON 24B	G			MP		YES	
MON 25	G			MP		YES	
MON 25B	G			MP		YES	
MON 26	G			MP		YES	
MON 26A	G			MP		YES	
MON 27	G			MP		YES	
MON 27A	G			MP		YES	

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***North Line*
(New Brunswick/Maine)**

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 28	G			MP		YES	
MON 28A	F			MP		YES	
MON 28B	G			MP		YES	
MON 28C	G			MP		YES	
MON 29	G			MP		YES	
MON 29A	G			MP		YES	
MON 29B	G			MP		YES	
MON 30	G			MP		YES	
MON 30A	G			MP		YES	
MON 30B	P			MP		YES	
MON 31	P			MP		YES	
MON 32	NR						
MON 32A	NR						
MON 32B	G			MP		YES	
MON 33	P			MP		YES	
MON 33A	P			MP		YES	
MON 34	G			MP		YES	
MON 35	G			MP		YES	
MON 35A	NR						
MON 35B	NR						
MON 35C	NR						
MON 35D	NR						
MON 35E	P			MP		YES	
MON 36	F			MP		YES	
MON 36A	F			MP		YES	
MON 37	P			MP		YES	
MON 37A	G			MP		YES	
MON 38	G			MP		YES	
MON 39	G			MP		YES	
MON 39A	G			MP		YES	
MON 39B	G			MP		YES	
MON 40	G			MP		YES	
MON 40A	G			MP		YES	
MON 40B	G			MP		YES	
MON 41	G			MP		YES	
MON 41A	G			MP		YES	
MON 41B	P			MP		YES	
MON 42	G			MP		YES	
MON 42A	NR						
MON 43	F			MP		YES	
MON 43A	G			MP		YES	
MON 43B	G			MP		YES	
MON 44	G			MP		YES	
MON 44A	G			MP		YES	
MON 45	F			MP		YES	

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North Line
(New Brunswick/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 45A	G			MP		YES	
MON 45B	G			MP		YES	
MON 46	G			MP		YES	
MON 46A	G			MP		YES	
MON 47	F			MP		YES	
MON 47A	G			MP		YES	
MON 48	NR						
MON 48A	NR						
MON 49	NR						
MON 49A	G			MP		YES	
MON 49B	G			MP		YES	
MON 49C	G			MP		YES	
MON 49D	G			MP		YES	
MON 50	G			MP		YES	
MON 50A	G			MP		YES	
MON 50B	G			MP		YES	
MON 50C	G			MP		YES	
MON 51	G			MP		YES	
MON 51A	G			MP		YES	
MON 51B	P		MA	MP		YES	
MON 51C	G			MP		YES	
MON 52	P					YES	
MON 52A	G			MP		YES	
MON 53	G			MP		YES	
MON 54	G			MP		YES	
MON 54A	G			MP		YES	
MON 55	G			MP		YES	
MON 55A	G			MP		YES	
MON 55B	P		MA	MP		YES	
MON 55C	P					YES	
MON 56	G			MP		YES	
MON 56A	G			MP		YES	
MON 57-52	P		MA	MP		YES	
MON 57A	G			MP		YES	
MON 57B	G			MP		YES	
MON 58-59	G			MP		YES	
MON 58A	G			MP		YES	
MON 58B	G			MP		YES	
MON 59	G			MP		YES	
MON 59A	P		MA	MP		YES	
MON 60	G			MP		YES	
MON 60A	G			MP		YES	
MON 61	G			MP		YES	
MON 61A	G			MP		YES	
MON 62	G			MP		YES	

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***North Line*
(New Brunswick/Maine)**

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 62A	G			MP		YES	
MON 63	G			MP		YES	
MON 63A	G			MP		YES	
MON 64	G			MP		YES	
MON 65	G			MP		YES	
MON 66	G			MP		YES	
MON 66A	G			MP		YES	
MON 66B	P		MA	MP		YES	
MON 66C	G			MP		YES	
MON 67	G			MP		YES	
MON 67A	G			MP		YES	
MON 67B	G			MP		YES	
MON 67C	G			MP		YES	
MON 68	G			MP		YES	
MON 68A	G			MP		YES	
MON 68B	G			MP		YES	
MON 69	G			MP		YES	
MON 69A	G			MP		YES	
MON 69B	P		MA	MP		YES	
MON 70	G			MP		YES	
MON 71	G			MP		YES	
MON 71A	G			MP		YES	
MON 71B	G			MP		YES	
MON 72	G			MP		YES	
MON 72A	G			MP		YES	
MON 72B	G			MP		YES	
MON 73	G			MP		YES	
MON 73A	G			MP		YES	
MON 73B	G			MP		YES	
MON 73C	G			MP		YES	
MON 74	G			MP		YES	
MON 74A	G			MP		YES	
MON 75	G			MP		YES	
MON 75A	G			MP		YES	
MON 75B	G			MP		YES	
MON 75C	P		MA	MP		YES	
MON 76	G			MP		YES	
MON 77	P		MA	MP		YES	
MON 77A	G			MP		YES	
MON 77B	G			MP		YES	
MON 78	G			MP		YES	
MON 78A	G			MP		YES	
MON 79	G			MP		YES	
MON 79A	G			MP		YES	
MON 80	G			MP		YES	

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***North Line*
(New Brunswick/Maine)**

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 81	G			MP		YES	
MON 81A	G			MP		YES	
MON 81B-58	G			MP		YES	
MON 82	G			MP		YES	
MON 84A	G			MP		YES	
MON 85	G			MP		YES	
MON 85AA	G			MP		YES	
MON 85A	G			MP		YES	
MON 85B	G			MP		YES	
MON 86	G			MP		YES	
MON 86A	P		MA	MP		YES	
MON 87	P		MA	MP		YES	
MON 87A	G			MP		YES	
MON 87B	G			MP		YES	
MON 88	G			MP		YES	
MON 88A	G			MP		YES	
MON 89	G			MP		YES	
MON 89A	G			MP		YES	
MON 89B	G			MP		YES	
MON 90	G			MP		YES	
MON 91	G			MP		YES	
MON 91A	G			MP		YES	
MON 91B	G			MP		YES	
MON 92	G			MP		YES	
MON 92A	G			MP		YES	
MON 93	G			MP		YES	
MON 93A	P					YES	
MON 94	G			MP		YES	
MON 94A	G			MP		YES	
MON 95	G			MP		YES	
MON 95A	G			MP		YES	
MON 95B	P					YES	
MON 96	G			MP		YES	
MON 97	G			MP		YES	
MON 97A	G			MP		YES	
MON 97B	G			MP		YES	
MON 97C	G			MP		YES	
MON 98	G			MP		YES	
MON 99	G			MP		YES	
MON 99A	G			MP		YES	
MON 99B	G			MP		YES	
MON 100	G			MP		YES	
MON 100A	G			MP		YES	
MON 100B	G			MP		YES	
MON 100B	G			MP		YES	

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North Line
(New Brunswick/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 100C	G			MP		YES	
MON 101	G			MP		YES	
MON 101A	G			MP		YES	
MON 101B	G			MP		YES	
MON 102	G			MP		YES	
MON 103	G			MP		YES	
MON 104	G			MP		YES	
MON 104A	G			MP		YES	
MON 105	G			MP		YES	
MON 105A-58	G			MP		YES	
MON 106	G			MP		YES	
MON 106A	G			MP		YES	
MON 107	G			MP		YES	
MON 108	G			MP		YES	
MON 109	G			MP		YES	
MON 109A	G			MP		YES	
MON 110	G			MP		YES	
MON 110A	G			MP		YES	
MON 110B	G			MP		YES	
MON 111	G			MP		YES	
MON 111A	G			MP		YES	
MON 112	G			MP		YES	
MON 113	G			MP		YES	
MON 113A	G			MP		YES	
MON 113B-40	P		MA	MP		YES	
MON 114-31	G			MP		YES	
MON 114A	G			MP		YES	
MON 115	G			MP		YES	
MON 116-52	G			MP		YES	
MON 117-73	G			MP		YES	

St. Francis River
(New Brunswick, Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM S-114	P					NO	
RM S-115A	G			MP		YES	
RM C107	G			MP		YES	
RM S116	G			MP		YES	
RM S-117	G			MP		YES	
RM C109	G			MP		YES	
RM S-119	G			MP		YES	

St. Francis River
(New Brunswick, Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM C110	G			MP		YES	
RM C-111	G			MP		YES	
RM S120	G			MP		YES	
RM C112	G			MP		YES	
RM S-121	G			MP		YES	
RM C113	G			MP		YES	
RM S-122	G			MP		YES	
RM S-123	G			MP		YES	
RM C114	G			MP		YES	
RM C115	G			MP		YES	
RM S-125	G			MP		YES	
RM C116	G			MP		YES	
RM S-126	G			MP		YES	
RM C-117	G			MP		YES	
RM C-118	G			MP		YES	
RM S-127	G			MP		YES	
RM C119	G			MP		YES	
RM S-128	G			MP		YES	
RM C-120	G			MP		YES	
RM S129	G			MP		YES	
RM C-121	G			MP		YES	
RM C122	G			MP		YES	
RM C-123	G			MP		YES	
RM C-124	G			MP		YES	
RM S-131	G			MP		YES	
RM C125	G			MP		YES	
RM S-133	G			MP		YES	
RM C-127	G			MP		YES	
RM S134	G			MP		YES	
RM C-128	G			MP		YES	
RM S135	G			MP		YES	
RM S136	G			MP		YES	
RM S-137	G			MP		YES	
RM C-130	G			MP		YES	
LM 356A	G			MP		YES	
MON TP357	D					NO	
RM S-137-A-50	G			MP		YES	
MON TP358	D					NO	
LM 358A	G			MP		YES	
MON TP359	G			MP		YES	
MON TP360	G			MP		YES	
RM S-132	G			MP		YES	
MON TP361	G			MP		YES	
MON TP362	G			MP		YES	
MON TP363	G			MP		YES	

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***St. Francis River
(New Brunswick, Quebec/Maine)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM C131A	G			MP		YES	
LM 367A	D					NO	
RM C132	G			MP		YES	
LM 367B	G			MP		YES	
LM 368A	G			MP		YES	
LM 369A	G			MP		YES	
RM C-133	G			MP		YES	
RM C-134A	G			MP		YES	
RM C-135	G			MP		YES	
RM C136	G			MP		YES	
LM 385A	G			MP		YES	
MON TP386	G			MP		YES	
RM C-137	G			MP		YES	
RM S-138-A	G			MP		YES	
RM C-138	G			MP		YES	
MON TP391	G			MP		YES	
MON TP392	G			MP		YES	
LM 392A	G			MP		YES	
MON TP395	G			MP		YES	
RM S-139	G			MP		YES	
MON TP396	G			MP		YES	
LM 397A	G			MP		YES	
LM 397A	G			MP		YES	
RM C139	G			MP		YES	
TP 407	G			MP		YES	
TP 407	G			MP		YES	
LM 407A	G			MP		YES	
LM 407A	G			MP		YES	
RM S-140	G			MP		YES	
LM 417A	G			MP		YES	
LM 417A	G			MP		YES	
MON TP418	G			MP		YES	
MON TP418	G			MP		YES	
LM 420A	D					NO	
LM 420A	D					NO	
MON TP421	G			MP		YES	
RM C-141	G			MP		YES	
MON TP426	G			MP		YES	
LM 427A	G			MP		YES	
MON TP427	G			MP		YES	
RM C-142	G			MP		YES	
LM 428A	G			MP		YES	
LM 428B	G			MP		YES	
RM S-142	G			MP		YES	
LM 429A	G			MP		YES	

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***St. Francis River
(New Brunswick, Quebec/Maine)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON TP430	G			MP		YES	
MON TP431	G			MP		YES	
MON TP432	G			MP		YES	
MON TP433	G			MP		YES	
LM 433A	G			MP		YES	
RM C-143	G			MP		YES	
LM 438A	G			MP		YES	
MON TP439	G			MP		YES	
LM 440A	G			MP		YES	
MON TP441	G			MP		YES	
LM 441B	G			MP		YES	
TP 442	G			MP		YES	
TP 443	G			MP		YES	
RM C-144-A	G			MP		YES	
MON TP448	G			MP		YES	
RM C-146	G			MP		YES	
LM 453A	G			MP		YES	
LM 453B	D					NO	
LM 453C	G			MP		YES	
MON TP454	G			MP		YES	
MON TP455	G			MP		YES	
LM 455A	G			MP		YES	
RM S-145	G			MP		YES	
RM C-147	G			MP		YES	
RM C148	G			MP		YES	
TP 463	G			MP		YES	
TP 464	G			MP		YES	
RM C-150A	G			MP		YES	
RM S-146	G			MP		YES	
LM 464A	NR					NO	
RM S-147	G			MP		YES	
LM 494A	G			MP		YES	
TP 495	G			MP		YES	
LM 496A	G			MP		YES	
LM 496B	G			MP		YES	
RM S149	G			MP		YES	
LM 499A	G			MP		YES	
MON TP500	G			MP		YES	
TP 501	G			MP		YES	
TP 502	G			MP		YES	
TP 503	G			MP		YES	
TP 504	G			MP		YES	
TP 505	G			MP		YES	
RM C-152A	G			MP		YES	
TP 506	G			MP		YES	

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St. Francis River
(New Brunswick, Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
TP 507	D					NO	
TP 509	P					YES	
LM 509A	D					NO	
LM 509B	G			MP		YES	
TP 510	G			MP		YES	
RM C-154-A	G			MP		YES	
TP 511	G			MP		YES	
TP 512	G			MP		YES	
TP 513	G			MP		YES	
LM 513A	G			MP		YES	
LM 514A	G			MP		YES	
TP 515	G			MP		YES	
LM 515A	G			MP		YES	

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 324.11	G					NO	
MON 324.12	G	R				YES	S
MON 324.13	G					NO	
MON 324.24	G					NO	
MON 324.25	G	R				YES	S
MON 324.26	G					NO	
MON 326.8	G					NO	
MON 326.9	G					NO	
MON 326.10	G					NO	
MON 326.11	G					NO	
MON 326.12	G					NO	
MON 326.13	G					NO	
MON 326.14	G	R				YES	S
MON 326.15	G					NO	
MON 326.16	G					NO	
MON 326.17	G					NO	
MON 326.18	G	R				YES	S
MON 326.19	G	R				YES	S
MON 326.20	G	R				YES	S
MON 326.21	G	R				YES	S
MON 326.22	G	R				YES	S
MON 326.23	G	R				YES	S
MON 327	G					NO	
MON 327.1	G	R				YES	S

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 327.2	G					YES	
MON 327.3	G	R				YES	S
MON 327.4	G	R				YES	S
MON 327.5	G					YES	
MON 327.6	G	R				YES	S
MON 327.7	G	R				YES	S
MON 327.8	G					YES	
MON 327.9	G					YES	
MON 327.10	G					YES	
MON 327.11	G					YES	
MON 327.12	G					YES	
MON 327.13	G					NO	
MON 327.14	G					NO	
MON 327.15	G					NO	
MON 327.16	G	R				YES	S
MON 327.17	G					NO	
MON 327.18	G					NO	
MON 327.19	G					NO	
MON 327.20	G					NO	
MON 327.21	G	R				YES	S
MON 327.22	G	R				YES	S
MON 327.23	G					NO	
MON 327.24	G					NO	
MON 327.25	G					NO	
MON 327.26	G					NO	
MON 327.27	G					NO	
MON 327.28	G					NO	
MON 327.29	G					NO	
MON 327.30	G	R				YES	S
MON 328	G					NO	
MON 328.1	G					NO	
MON 328.2	G					NO	
MON 328.3	G					NO	
MON 328.4	G					NO	
MON 328.5	G					NO	
MON 328.6	G					NO	
MON 328.7	F					NO	
MON 328.8	G	R				YES	S
MON 328.9	F					NO	
MON 328.10	G					NO	
MON 328.11	G					NO	
MON 328.12	G					NO	
MON 328.13	G					NO	
MON 328.14	G					NO	
MON 328.15	G					NO	

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 328.16	G					NO	
MON 328.17	G	R				YES	S
MON 328.18	G					NO	
MON 328.19	G					NO	
MON 328.20	G	R				YES	S
MON 328.21	G					NO	
MON 328.22	G	R				YES	S
MON 328.23	G					NO	
MON 328.24	G	R				YES	S
MON 328.25	G	R				YES	S
MON 328.26	G					NO	
MON 328.27	G					NO	
MON 328.28	G	R				YES	S
MON 328.29	G					NO	
MON 328.30	G	R				YES	S
MON 328.31	G					NO	
MON 328.32	G	R				YES	S
MON 328.33	G					NO	
MON 328.34	G					NO	
MON 328.35	G	R				YES	S
MON 328.36	G					NO	
MON 329	G					NO	
MON 329.1	G					NO	
MON 329.2	G	R				YES	S
MON 329.3	G					NO	
MON 329.4	G					NO	
MON 329.5	G					NO	
MON 329.6	G					NO	
MON 329.7	G					NO	
MON 329.8	G	R				YES	S
MON 329.9	G					NO	
MON 329.10	G					NO	
MON 329.11	G					NO	
MON 329.12	G					NO	
MON 329.13	G					NO	
MON 329.14	G	R				YES	S
MON 329.15	G	R				YES	S
MON 329.16	G					NO	
MON 329.17	G					NO	
MON 329.18	G	R				YES	S
MON 329.19	G	R				YES	S
MON 329.20	G	R				YES	S
MON 329.21	G	R				YES	S
MON 329.22	G	R				YES	S
MON 329.23	G					NO	

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 329.24	G					NO	
MON 329.25	G					NO	
MON 329.26	G					NO	
MON 329.27	G					NO	
MON 329.28	G					NO	
MON 329.29	G					NO	
MON 329.30	G					NO	
MON 329.31	G					NO	
MON 329.32	G	R				YES	S
MON 329.33	G					NO	
MON 329.34	G	R				YES	S
MON 329.35	G					NO	
MON 329.36	G					NO	
MON 329.37	G					NO	
MON 329.38	G					NO	
MON 329.39	G					NO	
MON 329.40	G					NO	
MON 329.41	G	R				YES	S
MON 329.42	G	R				YES	S
MON 330	G					NO	
MON 330.1	G					NO	
MON 330.2	G					NO	
MON 330.3	G					NO	
MON 330.4	G					NO	
MON 330.5	G	R				YES	S
MON 330.6	G	R				YES	S
MON 330.7	G	R				YES	S
MON 330.8	G	R				YES	S
MON 330.9	G					NO	
MON 330.10	G					NO	
MON 330.11	G	R				YES	S
MON 330.12	G	R				YES	S
MON 330.13	G					NO	
MON 330.14	G	R				YES	S
MON 330.15	G	R				YES	S
MON 330.16	G					NO	
MON 330.17	G	R				YES	S
MON 330.18	G	R				YES	S
MON 330.19	G					NO	
MON 330.20	G	R				YES	S
MON 330.21	G					NO	
MON 330.22	G					NO	
MON 330.23	G					NO	
MON 330.24	G					NO	
MON 330.25	G					NO	

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 330.26	G					NO	
MON 330.27	G					NO	
MON 330.28	G	R				YES	S
MON 330.29	G					NO	
MON 330.30	G	R				YES	S
MON 330.31	G	R				YES	S
MON 330.32	G					NO	
MON 331	G					NO	
MON 331.1	G					NO	
MON 331.2	G					NO	
MON 331.3	G	R				YES	S
MON 331.4	G	R				YES	S
MON 331.5	G	R				YES	S
MON 331.6	G	R				YES	S
MON 331.7	G	R				YES	S
MON 331.8	G	R				YES	S
MON 331.9	G	R				YES	S
MON 331.10	G	R				YES	S
MON 331.11	G	R				YES	S
MON 331.12	G	R				YES	S
MON 331.13	G	R				YES	S
MON 331.14	G					NO	
MON 331.15	G					NO	
MON 331.16	G	R				YES	S
MON 331.17	G	R				YES	S
MON 331.18	G	R				YES	S
MON 331.19	G	R				YES	S
MON 331.20	G					NO	
MON 331.21	G	R				YES	S
MON 331.22	G					NO	
MON 331.23	G					NO	
MON 331.24	G					NO	
MON 331.25	G					NO	
MON 331.26	G					NO	
MON 331.27	F					NO	
MON 331.28	G					NO	
MON 331.29	G					NO	
MON 332	P					NO	
MON 332.1	G					NO	
MON 332.2	G					NO	
MON 332.3	G					NO	
MON 332.4	G					NO	
MON 332.5	G					NO	
MON 332.6	G					NO	
MON 332.7	G					NO	

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 332.8	G	R				YES	S
MON 332.9	G					NO	
MON 332.10	G					NO	
MON 332.11	G					NO	
MON 332.12	G	R				YES	S
MON 332.13	G	R				YES	S
MON 332.14	G					NO	
MON 332.15	G					NO	
MON 332.16	G	R				YES	S
MON 332.17	G					NO	
MON 332.18	G					NO	
MON 332.19	G	R				YES	S
MON 332.20	G					NO	
MON 332.21	G					NO	
MON 332.22	G	R				YES	S
MON 332.23	G					NO	
MON 332.24	G	R				YES	S
MON 332.25	G					NO	
MON 332.26	G					NO	
MON 332.27	G	R				YES	S
MON 332.28	G	R				YES	S
MON 332.29	G	R				YES	S
MON 332.30	G	R				YES	S
MON 332.31	G					NO	
MON 332.32	G					NO	
MON 332.33	G					NO	
MON 332.34	G	R				YES	S
MON 332.35	G	R				YES	S
MON 332.36	G	R				YES	S
MON 332.37	G	R				YES	S
MON 332.38	G	R				YES	S
MON 332.39	G					NO	
MON 332.40	G	R				YES	S
MON 332.41	G					NO	
MON 332.42	G					NO	
MON 332.43	G	R				YES	S
MON 333	G					NO	
MON 333.1	F					NO	
MON 333.2	G					NO	
MON 333.3	G					NO	
MON 333.4	G					NO	
MON 333.5	G	R				YES	S
MON 333.6	G					NO	
MON 333.7	G					NO	
MON 333.8	G	R				YES	S

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 333.9	G					NO	
MON 333.10	G					NO	
MON 333.11	G	R				NO	S
MON 333.12	G	R				YES	S
MON 333.13	G					NO	
MON 333.14	G	R				YES	S
MON 333.15	G					NO	
MON 333.16	G					NO	
MON 333.17	G					NO	
MON 333.18	G					NO	
MON 333.19	G	R				YES	S
MON 333.20	G	R				NO	S
MON 333.21	G	R				YES	S
MON 333.22	G					NO	
MON 333.22A	G	NM			ND	YES	S
MON 333.23	G	R				YES	S
MON 333.24	G	R				YES	S
MON 333.25	G					NO	
MON 333.26	G	R				YES	S
MON 333.27	G	R				YES	S
MON 333.28	F					NO	
MON 333.29	G					NO	
MON 334	G					NO	
MON 334.1	G					NO	
MON 334.2	G	R				YES	S
MON 334.3	G	R				YES	S
MON 334.4	G					NO	
MON 334.5	G					NO	
MON 334.6	G					NO	
MON 334.7	G					NO	
MON 334.8	G	R				YES	S
MON 334.9	G					NO	
MON 334.10	G					NO	
MON 334.11	G					NO	
MON 334.12	G					NO	
MON 334.13	G	R				YES	S
MON 334.14	G					NO	
MON 334.15	G	R				YES	S
MON 334.16	G	R				NO	S
MON 334.17	G	R				YES	S
MON 334.18	G	R				YES	S
MON 334.19	G	R				YES	S
MON 334.20	G	R				YES	S
MON 334.21	G	R				YES	S
MON 334.22	G	R				YES	S

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 334.23	G					NO	
MON 334.24	G					NO	
MON 334.25	G					NO	
MON 334.26	G	R				YES	S
MON 334.27	G	R				YES	S
MON 334.28	G					NO	
MON 334.29	G					NO	
MON 334.30	G					NO	
MON 334.31	G	R				YES	S
MON 334.32	G					NO	
MON 335	G					NO	
MON 335.1	G	R				YES	S
MON 335.2	G					NO	
MON 335.3	G	R				YES	S
MON 335.4	G	R				YES	S
MON 335.5	G	R				YES	S
MON 335.6	G					NO	
MON 335.7	G	R				YES	S
MON 335.8	G	R				YES	S
MON 335.9	G	R				YES	S
MON 335.10	G	R				YES	S
MON 335.11	G					NO	
MON 335.12	G					NO	
MON 335.13	G					NO	
MON 335.14	G	R				YES	S
MON 335.15	G	R				YES	S
MON 335.16	G	R				NO	S
MON 335.17	G					NO	
MON 335.18	G					NO	
MON 335.19	G	R				YES	S
MON 335.20	G	R				YES	S
MON 335.21	G	R				YES	S
MON 335.22	G	R				YES	S
MON 335.23	G	R				YES	S
MON 336	G					NO	
MON 336.1	G	R				YES	S
MON 336.2	G	R				YES	S
MON 336.3	G					NO	
MON 336.4	G					NO	
MON 336.5	G					NO	
MON 336.6	G	R				YES	S
MON 336.7	G					NO	
MON 336.8	G					NO	
MON 336.9	G					NO	
MON 336.10	G					NO	

Highlands N.E. Section
(Quebec/Maine)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 336.11	G	R				YES	S
MON 336.12	G	R				YES	S
MON 336.13	G	R				YES	S
MON 337	P					NO	
MON 337.1	G					NO	
MON 337.2	G					NO	
MON 337.3	G	R				YES	S
MON 337.4	G					NO	
MON 337.5	G					NO	
MON 337.6	G					NO	
MON 337.7	G					NO	
MON 337.8	G					NO	
MON 338	F					NO	
MON 338.1	G					NO	
MON 338.2	G					NO	
MON 338.3	G					NO	
MON 338.4	G					NO	
MON 338.5	G					NO	
MON 338.6	G					NO	
MON 338.7	G					NO	
MON 338.8	G	R				YES	S
MON 338.9	G					NO	
MON 339	P					NO	
MON 339.1	G	R				YES	S
MON 339.2	G					NO	
MON 339.3	G					NO	
MON 339.4	G					NO	
MON 339.5	G					NO	
MON 339.6	G					NO	
MON 340	G					NO	
MON 340.1	G	R				YES	S
MON 340.2	G	R				YES	S
MON 340.3	G					NO	
MON 340.4	G					NO	
MON 340.5	G					NO	
MON 340.6	G					NO	
MON 340.7	G					NO	
MON 340.8	G					YES	
MON 340.9	G	R				YES	S
MON 340.10	G	R				YES	S
MON 340.11	G	R				YES	S
MON 340.12	G					NO	
MON 340.13	G	R				YES	S
MON 340.14	G	R				YES	S
MON 340.15	G	R				YES	S

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***Highlands N.E. Section
(Quebec/Maine)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 340.16	G	R				YES	S
MON 340.17	G					NO	
MON 340.18	G	R				YES	S
MON 340.19	G	R				YES	S
MON 340.20	G					NO	
MON 340.21	G	R				YES	S

***Highlands S.W. Section
(Quebec/Maine, New Hampshire)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 413.16	NR					NO	
MON 413.17	G					YES	
MON 413.18	G					YES	
MON 413.19	F					YES	
MON 414	G					YES	
MON 414.1	G					YES	
MON 414.2	G					YES	
MON 414.3	G					YES	
MON 414.4	G					YES	
MON 414.5	G					YES	
MON 414.6	G					YES	
MON 414.7	P					YES	
MON 414.8	G					YES	
MON 414.9	G					YES	
MON 414.10	G					YES	
MON 414.11	P					YES	
MON 414.12	P					YES	
MON 414.13	G					YES	
MON 414.14	G					YES	
MON 414.15	P					YES	
MON 414.16	G					YES	
MON 414.17	P					YES	
MON 414.18	G					YES	
MON 414.19	G					YES	
MON 414.19A	G					YES	
MON 414.20	G					YES	
MON 414.21	G					YES	
MON 414.22	G					YES	
MON 414.23	G					YES	
MON 414.24	P					YES	
MON 414.25	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 414.26	P					YES	
MON 414.27	G					YES	
MON 414.28	F					YES	
MON 414.29	G					YES	
MON 414.30	G					YES	
MON 414.31	G					YES	
MON 414.32	G					YES	
MON 414.33	P					YES	
MON 414.34	P					YES	
MON 414.35	F					YES	
MON 414.36	P					YES	
MON 414.37	G					YES	
MON 414.38	G					YES	
MON 414.39	G					YES	
MON 414.40	P					YES	
MON 414.41	G					YES	
MON 415.1	G					YES	
MON 419.15	G					YES	
MON 420.5	G					YES	
MON 420.6	G					YES	
MON 420.7	G					YES	
MON 420.8	G					YES	
MON 420.9	G					YES	
MON 420.10	G					YES	
MON 420.11	P					YES	
MON 420.12	F					YES	
MON 420.13	G					YES	
MON 420.14	F					YES	
MON 420.15	D					YES	
MON 421	G					YES	
MON 421.1	G					YES	
MON 421.2	G					YES	
MON 421.3	G					YES	
MON 421.4	G					YES	
MON 421.5	F					YES	
MON 421.6	P					YES	
MON 421.7	G					YES	
MON 421.8	G					YES	
MON 421.9	F					YES	
MON 421.10	G					YES	
MON 421.11	G					YES	
MON 421.12	P					YES	
MON 421.13	G					YES	
MON 421.14	G					YES	
MON 422	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 422.1	G					YES	
MON 422.2	G					YES	
MON 422.3	NR					YES	
MON 422.4	P					YES	
MON 422.5	P					YES	
MON 422.6	G					YES	
MON 422.7	G					YES	
MON 422.8	F					YES	
MON 422.9	G					YES	
MON 422.10	G					YES	
MON 422.11	G					YES	
MON 422.12	G					YES	
MON 422.13	G					YES	
MON 423	G					YES	
MON 423.1	G					YES	
MON 423.2	G					YES	
MON 423.3	G					YES	
MON 423.4	F					YES	
MON 423.5	F					YES	
MON 423.6	G					YES	
MON 423.7	G					YES	
MON 423.8	G					YES	
MON 423.9	G					YES	
MON 423.10	G					YES	
MON 423.11	G					YES	
MON 423.12	G					YES	
MON 423.13	G					YES	
MON 423.13A	G					YES	
MON 423.14	G					YES	
MON 423.15	P					YES	
MON 423.16	F					YES	
MON 423.17	P					YES	
MON 423.18	G					YES	
MON 424	G					YES	
MON 424.1	F					YES	
MON 424.2	F					YES	
MON 424.3	G					YES	
MON 424.4	G					YES	
MON 424.5	P					YES	
MON 424.6	G					YES	
MON 424.7	G					YES	
MON 424.8	G					YES	
MON 424.9	P					YES	
MON 424.10	G					YES	
MON 425.20	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 425.21	G					YES	
MON 425.22	G					YES	
MON 425.23	G					YES	
MON 426	G					YES	
MON 426.1	G					YES	
MON 426.2	G					YES	
MON 426.3	G					YES	
MON 426.4	G					YES	
MON 426.5	G					YES	
MON 426.6	G					YES	
MON 426.7	G					YES	
MON 426.8	F					YES	
MON 426.9	F					YES	
MON 426.10	F					YES	
MON 426.11	G					YES	
MON 426.12	P					YES	
MON 426.13	G					YES	
MON 426.14	D					YES	
MON 426.15	G					YES	
MON 426.16	G					YES	
MON 426.17	P					YES	
MON 426.18	G					YES	
MON 426.19	G					YES	
MON 426.20	G					YES	
MON 426.21	G					YES	
MON 427	G					YES	
MON 427.1	F					YES	
MON 427.2	NR					NO	
MON 427.3	G					YES	
MON 427.4	G					YES	
MON 427.5	G					YES	
MON 427.6	NR					NO	
MON 427.7	G					YES	
MON 427.12	NR					NO	
MON 427.13	NR					NO	
MON 427.14	P					YES	
MON 427.15	NR					NO	
MON 428.2	NR					NO	
MON 429.6	NR					NO	
MON 434.3	F					YES	
MON 434.4	P					YES	
MON 434.5	G					YES	
MON 434.6	F					YES	
MON 434.7	NR					NO	
MON 434.8	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 434.9	NR					NO	
MON 434.10	F					YES	
MON 435.5	G					YES	
MON 435.6	G					YES	
MON 435.7	G					YES	
MON 435.8	P					YES	
MON 435.9	F					YES	
MON 436	G					YES	
MON 436.1	F					YES	
MON 436.2	P					YES	
MON 436.3	NR					NO	
MON 436.4	G					YES	
MON 436.5	P					YES	
MON 436.6	P					YES	
MON 436.7	G					YES	
MON 436.8	G					YES	
MON 437	G					YES	
MON 437.1	G					YES	
MON 437.2	P					YES	
MON 437.3	P					YES	
MON 437.4	P					YES	
MON 437.5	F					YES	
MON 437.5A	G					YES	
MON 437.5B	F					YES	
MON 438	P					YES	
MON 438.1	P					YES	
MON 438.2	P					YES	
MON 438.3	P					YES	
MON 438.4	F					YES	
MON 438.5	G					YES	
MON 438.6	NR					NO	
MON 438.7	P					YES	
MON 438.8	G					YES	
MON 438.9	G					YES	
MON 438.10	F					YES	
MON 438.11	F					YES	
MON 438.12	G					YES	
MON 438.13	P					YES	
MON 438.14	G					YES	
MON 438.15	F					YES	
MON 438.16	F					YES	
MON 438.17	F					YES	
MON 438.18	P					YES	
MON 438.19	G					YES	
MON 438.20	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 439	G					YES	
MON 439.1	P					YES	
MON 439.2	G					YES	
MON 439.3	F					YES	
MON 439.4	P					YES	
MON 439.5	G					YES	
MON 439.6	D					YES	
MON 439.7	G					YES	
MON 439.8	G					YES	
MON 439.9	G					YES	
MON 439.10	G					YES	
MON 439.11	G					YES	
MON 439.12	P					YES	
MON 439.13	P					YES	
MON 439.14	G					YES	
MON 446.2	G					YES	
MON 446.3	G					YES	
MON 446.4	G					YES	
MON 446.5	G					YES	
MON 446.6	G					YES	
MON 446.7	G					YES	
MON 446.8	G					YES	
MON 446.9	F					YES	
MON 447	D					YES	
MON 447.1	G					YES	
MON 447.2	G					YES	
MON 447.3	G					YES	
MON 447.4	G					YES	
MON 447.5	G					YES	
MON 447.6	G					YES	
MON 447.7	P					YES	
MON 448	G					YES	
MON 448.1	G					YES	
MON 448.2	G					YES	
MON 448.3	F					YES	
MON 448.4	P					YES	
MON 448.5	G					YES	
MON 448.6	P					YES	
MON 449	G					YES	
MON 449.1	G					YES	
MON 449.2	G					YES	
MON 449.3	G					YES	
MON 449.4	P					YES	
MON 449.5	P					YES	
MON 449.6	P					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 449.7	P					YES	
MON 449.8	G					YES	
MON 450	G					YES	
MON 450.1	F					YES	
MON 450.2	F					YES	
MON 450.3	G					YES	
MON 450.4	P					YES	
MON 450.5	P					YES	
MON 450.6	P					YES	
MON 450.7	P					YES	
MON 462	G					NO	
MON 473.11	G					YES	
MON 473.12	P					YES	
MON 473.13	G					YES	
MON 473.14	F					YES	
MON 473.15	P					YES	
MON 473.16	G					YES	
MON 473.17	F					YES	
MON 473.18	F					YES	
MON 473.19	P					YES	
MON 473.20	P					YES	
MON 473.21	G					YES	
MON 473.21A	P					YES	
MON 474.3A	G					YES	
MON 474.4	P					YES	
MON 474.5	F					YES	
MON 474.6	G					YES	
MON 474.7	G					YES	
MON 474.8	P					YES	
MON 474.9	G					YES	
MON 474.10	G					YES	
MON 474.11	P					YES	
MON 474.12	P					YES	
MON 474.13	G					YES	
MON 474.14	G					YES	
MON 474.15	G					YES	
MON 474.16	G					YES	
MON 474.17	P					YES	
MON 474.18	F					YES	
MON 474.19	G					YES	
MON 474.20	G					YES	
MON 474.21	G					YES	
MON 474.22	G					YES	
MON 474.23	G					YES	
MON 474.24	G					YES	

Highlands S.W. Section
(Quebec/Maine, New Hampshire)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 474.25	G					YES	
MON 474.26	P					YES	
MON 474.27	G					YES	
MON 474.28	P					YES	
MON 474.29	G					YES	
MON 474.30	P					YES	
MON 474.31	P					YES	
MON 474.32	G					YES	
MON 474.33	NR					NO	
MON 474.34	P					YES	
MON 474.35	G					YES	
MON 474.36	F					YES	
MON 474.37	G					YES	
MON 474.38	G					YES	
MON 474.39	G					YES	
MON 474.40	G					YES	
MON 474.41	G					YES	
MON 474.42	P					YES	
MON 474.43	F					YES	
MON 475	G					YES	
MON 475.1	G					YES	
MON 475.2	G					YES	
MON 475.3	G					YES	
MON 475.4	G					YES	
MON 475.5	G					YES	
MON 475.6	G					YES	
MON 475.7	G					YES	
MON 476	F					YES	
MON 476.1	NR					NO	
MON 476.2	P					YES	
MON 476.3	F					YES	
MON 476.4	P					YES	
MON 476.5	P					YES	
MON 476.6	G					YES	
MON 476.7	G					YES	
MON 476.8	G					YES	
MON 476.9	G					YES	
MON 476.10	G					YES	
MON 476.11	G					YES	
MON 476.12	P					YES	
MON 476.13	G					YES	
MON 476.14	G					YES	
MON 476.15	F					YES	
MON 476.16	G					YES	
MON 476.17	P					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 476.18	G					YES	
MON 476.19	G					YES	
MON 476.20	P					YES	
MON 476.21	P					YES	
MON 476.22	G					YES	
MON 476.23	P					YES	
MON 476.24	P					YES	
MON 476.25	G					YES	
MON 476.26	P					YES	
MON 476.27	G					YES	
MON 476.28	G					YES	
MON 476.29	G					YES	
MON 476.29A	G					YES	
MON 476.30	NR					NO	
MON 476.31	F					YES	
MON 476.32	G					YES	
MON 476.33	G					YES	
MON 476.34	G					YES	
MON 477	G					YES	
MON 477.1	G					YES	
MON 477.2	P					YES	
MON 477.3	G					YES	
MON 477.4	G					YES	
MON 477.5	G					YES	
MON 477.6	G					YES	
MON 477.7	G					YES	
MON 477.8	F					YES	
MON 477.9	G					YES	
MON 477.10	G					YES	
MON 477.11	D					YES	
MON 477.12	F					YES	
MON 477.13	G					YES	
MON 477.14	NR					NO	
MON 477.15	D					YES	
MON 477.16	F					YES	
MON 477.17	G					YES	
MON 477.18	G					YES	
MON 477.19	G					YES	
MON 477.20	G					YES	
MON 477.21	G					YES	
MON 477.22	G					YES	
MON 477.23	G					YES	
MON 477.24	G					YES	
MON 477.25	D					YES	
MON 477.26	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 477.27	G					YES	
MON 477.28	D					YES	
MON 477.29	D					YES	
MON 477.30	NR					NO	
MON 477.31	NR					NO	
MON 477.32	NR					NO	
MON 477.33	P					YES	
MON 477.34	G					YES	
MON 477.35	F					YES	
MON 477.36	G					YES	
MON 477.37	P					YES	
MON 477.38	G					YES	
MON 477.39	NR					NO	
MON 477.40	G					YES	
MON 477.41	F					YES	
MON 477.42	F					YES	
MON 477.43	F					YES	
MON 477.44	G					YES	
MON 477.45	G					YES	
MON 477.46	G					YES	
MON 477.47	G					YES	
MON 477.48	NR					NO	
MON 478	D					YES	
MON 478.1	G					YES	
MON 478.2	P					YES	
MON 478.3	G					YES	
MON 478.4	NR					NO	
MON 478.5	P					YES	
MON 478.6	G					YES	
MON 478.7	G					YES	
MON 478.8	G					YES	S
MON 478.9	G					YES	S
MON 478.10	G	R				YES	S
MON 478.11	G					YES	S
MON 478.12	G					YES	S
MON 478.13	G					YES	S
MON 478.14	G					YES	S
MON 478.15	G	R				YES	S
MON 478.16	G					YES	S
MON 478.17	G	R				YES	S
MON 478.18	G	R				YES	S
MON 478.19	G					YES	S
MON 478.20	G					YES	S
MON 478.21	G					YES	S
MON 478.22	G					YES	S

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 478.23	G	R				YES	S
MON 478.24	G					YES	S
MON 478.24A	G	R				YES	S
MON 478.25	G					YES	S
MON 478.26	G	R				YES	S
MON 478.27	G	R				YES	S
MON 478.28	G	R				YES	S
MON 478.29	G					YES	S
MON 478.30	G					YES	S
MON 478.31	G					YES	S
MON 478.32	G					YES	S
MON 478.33	G					YES	S
MON 478.34	G	R				YES	S
MON 478.35	G					YES	S
MON 479	D					YES	S
MON 479.1	G					YES	S
MON 479.2	G	R				YES	S
MON 479.3	G					YES	S
MON 479.4	G	R				YES	S
MON 479.5	G					YES	S
MON 479.6	G	R				YES	S
MON 479.7	G	R				YES	S
MON 479.8	G					YES	S
MON 479.9	G	R				YES	S
MON 479.10	G					YES	S
MON 479.11	G	R				YES	S
MON 479.12	G	R				YES	S
MON 479.13	G					YES	S
MON 479.14	G					YES	S
MON 479.15	G	R				YES	S
MON 480	D					YES	S
MON 480.1	G	R				YES	S
MON 480.2	G	R				YES	S
MON 480.3	G					YES	S
MON 480.4	F					YES	S
MON 480.5	F					YES	
MON 480.6	G					YES	
MON 480.7	G					YES	
MON 480.7A	G					YES	
MON 480.8	D					YES	
MON 480.9	G					YES	
MON 480.10	G					YES	
MON 480.11	G					YES	
MON 480.12	G					YES	
MON 480.13	F					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 480.14	G					YES	
MON 480.15	G					YES	
MON 480.16	G					YES	
MON 480.17	G					YES	
MON 480.18	G					YES	
MON 482.18	G					YES	
MON 482.19	G					YES	
MON 482.20	G					YES	
MON 482.21	G					YES	
MON 482.22	NR					NO	
MON 482.23	P					YES	
MON 482.24	F					YES	
MON 482.25	F					YES	
MON 482.25A	F					YES	
MON 482.26	P					YES	
MON 482.27	P					YES	
MON 482.28	P					YES	
MON 482.29	G					YES	
MON 482.30	G					YES	
MON 482.31	G					YES	
MON 482.32	G					YES	
MON 482.33	G					YES	
MON 482.34	G					YES	
MON 482.35	G					YES	
MON 482.36	G					YES	
MON 482.37	G					YES	
MON 482.38	G					YES	
MON 482.39	P					YES	
MON 482.40	G					YES	
MON 482.41	G					YES	
MON 482.42	G					YES	
MON 483	G					YES	
MON 483.1	G					YES	
MON 483.2	G					YES	
MON 483.3	F					YES	
MON 483.4	G					YES	
MON 483.5	G					YES	
MON 483.6	G					YES	
MON 483.7	G					YES	
MON 483.8	G					YES	
MON 483.9	G					YES	
MON 483.10	G					YES	
MON 483.11	D					YES	
MON 483.12	G					YES	
MON 483.13	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 483.14	G					YES	
MON 483.15	G					YES	
MON 483.16	P					YES	
MON 483.17	G					YES	
MON 483.18	G					YES	
MON 483.19	F					YES	
MON 483.20	G					YES	
MON 483.21	G					YES	
MON 483.22	F					YES	
MON 483.23	F					YES	
MON 483.24	NR					NO	
MON 484.1	G					NO	
MON 484.2	F					NO	
MON 484.3	F					NO	
MON 484.4	G					NO	
MON 484.5	G					YES	
MON 484.6	G					YES	
MON 484.7	F					YES	
MON 484.8	G					YES	
MON 484.9	G					YES	
MON 484.10	G					YES	
MON 484.11	G					YES	
MON 484.12	G					YES	
MON 484.13	G					YES	
MON 484.14	G					YES	
MON 484.15	G					YES	
MON 484.16	G					YES	
MON 484.17	G					YES	
MON 484.18	G					YES	
MON 484.19	G					YES	
MON 484.20	G					YES	
MON 484.21	G					YES	
MON 484.22	G					YES	
MON 484.23	NR					NO	
MON 484.24	G					YES	
MON 484.25	G					YES	
MON 484.26	G					YES	
MON 484.27	P					YES	
MON 484.28	G					YES	
MON 484.29	G					YES	
MON 484.30	G					YES	
MON 484.31	G					YES	
MON 484.32	P					YES	
MON 484.33	P					YES	
MON 484.45	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 484.46	G					YES	
MON 484.47	F					YES	
MON 484.48	G					YES	
MON 484.49	G					YES	
MON 484.50	G					YES	
MON 484.51	G					YES	
MON 484.52	G					YES	
MON 484.53	G					YES	
MON 484.54	F					YES	
MON 484.55	G					YES	
MON 484.56	G					YES	
MON 484.57	G					YES	
MON 484.58	P					YES	
MON 484.59	P					YES	
MON 484.60	G					YES	
MON 484.61	G					YES	
MON 484.62	NR					NO	
MON 484.63	G					YES	
MON 484.64	G					YES	
MON 484.65	G					YES	
MON 484.66	G					YES	
MON 484.67	G					YES	
MON 484.68	F					YES	
MON 484.69	P					YES	
MON 484.70	D					YES	
MON 484.71	G					YES	
MON 484.72	G					YES	
MON 485	G					YES	
MON 485.1	G					YES	
MON 485.2	G					YES	
MON 485.3	G					YES	
MON 485.4	G					YES	
MON 485.5	G					YES	
MON 485.6	G					YES	
MON 486	D					YES	
MON 486.1	G					YES	
MON 486.2	G					YES	
MON 486.3	G					YES	
MON 486.4	G					YES	
MON 486.5	G					YES	
MON 486.6	F					YES	
MON 486.7	P					YES	
MON 486.8	P					YES	
MON 486.9	G					YES	
MON 486.10	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 486.11	G					YES	
MON 486.12	G					YES	
MON 486.13	G					YES	
MON 486.14	P					YES	
MON 486.15	G					YES	
MON 486.16	D					YES	
MON 486.17	G					YES	
MON 486.18	P					YES	
MON 486.19	D					YES	
MON 486.20	G					YES	
MON 486.21	G					YES	
MON 486.22	G					YES	
MON 486.23	G					YES	
MON 486.24	G					YES	
MON 486.25	G					YES	
MON 486.26	G					YES	
MON 486.27	G					YES	
MON 486.28	P					YES	
MON 486.29	NR					NO	
MON 486.30	P					YES	
MON 486.31	G					YES	
MON 486.32	G					YES	
MON 486.33	G					YES	
MON 486.34	G					YES	
MON 486.35	G					YES	
MON 486.36	G					YES	
MON 486.37	G					YES	
MON 486.38	F					YES	
MON 486.39	G					YES	
MON 486.40	G					YES	
MON 486.41	G					YES	
MON 486.42	G					YES	
MON 486.43	G					YES	
MON 486.44	G					YES	
MON 486.45	G					YES	
MON 486.46	G					YES	
MON 486.47	G					YES	
MON 486.48	G					YES	
MON 486.49	G					YES	
MON 486.50	G					YES	
MON 486.51	G					YES	
MON 486.52	G					YES	
MON 486.53	G					YES	
MON 486.54	NR					NO	
MON 487	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 487.1	F					YES	
MON 487.2	D					NO	
MON 487.3	G					YES	
MON 487.4	P					YES	
MON 487.5	F					YES	
MON 487.6	G					YES	
MON 487.7	G					YES	
MON 487.8	G					YES	
MON 487.9	G					YES	
MON 487.10	G					YES	
MON 487.11	G					YES	
MON 487.12	F					YES	
MON 487.13	G					YES	
MON 487.14	P					YES	
MON 487.15	G					YES	
MON 487.16	NR					NO	
MON 487.17	G					YES	
MON 487.18	G					YES	
MON 487.19	G					YES	
MON 487.20	NR					NO	
MON 487.21	G					YES	
MON 487.22	G					YES	
MON 488	G					YES	
MON 488.1	G					YES	
MON 488.2	F					YES	
MON 488.3	P					YES	
MON 488.4	F					YES	
MON 488.5	G					YES	
MON 488.6	P					YES	
MON 488.7	G					YES	
MON 488.8	F					YES	
MON 488.9	G					YES	
MON 488.10	G					YES	
MON 488.11	G					YES	
MON 488.12	P					YES	
MON 488.13	G					YES	
MON 488.14	G					YES	
MON 488.15	G					YES	
MON 488.16	F					YES	
MON 488.17	G					YES	
MON 488.18	P					YES	
MON 488.19	P					YES	
MON 489	D					YES	
MON 489.1	G					YES	
MON 489.2	F					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 489.3	F					YES	
MON 489.4	D					YES	
MON 489.5	P					YES	
MON 489.6	NR					NO	
MON 489.7	G					YES	
MON 489.8	G					YES	
MON 489.9	P					YES	
MON 489.10	G					YES	
MON 489.11	P					YES	
MON 489.12	G					YES	
MON 489.13	D					YES	
MON 489.14	G					YES	
MON 489.15	F					YES	
MON 489.16	G					YES	
MON 489.17	G					YES	
MON 489.18	G					YES	
MON 489.19	G					YES	
MON 489.20	G					YES	
MON 489.21	F					YES	
MON 489.22	G					YES	
MON 489.23	G					YES	
MON 490	G					YES	
MON 490.1	G					YES	
MON 490.2	P					YES	
MON 490.3	F					YES	
MON 490.4	F					YES	
MON 490.5	P					YES	
MON 490.6	G					YES	
MON 490.7	G					YES	
MON 490.8	F					YES	
MON 490.9	G					YES	
MON 490.10	G					YES	
MON 490.11	F					YES	
MON 490.12	G					YES	
MON 490.13	F					YES	
MON 490.14	G					YES	
MON 490.15	G					YES	
MON 490.16	G					YES	
MON 491	G					YES	
MON 491.1	F					YES	
MON 491.2	F					YES	
MON 491.3	G					YES	
MON 491.4	NR					NO	
MON 491.5	G					YES	
MON 491.6	F					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 491.7	F					YES	
MON 491.8	G					YES	
MON 491.9	G					YES	
MON 491.10	G					YES	
MON 491.11	G					YES	
MON 491.12	G					YES	
MON 491.13	G					YES	
MON 491.14	G					YES	
MON 491.15	G					YES	
MON 491.16	G					YES	
MON 492	D					YES	
MON 492.1	P					YES	
MON 492.2	F					YES	
MON 492.3	G					YES	
MON 492.4	F					YES	
MON 492.5	G					YES	
MON 492.6	F					YES	
MON 492.7	G					YES	
MON 492.8	G					YES	
MON 492.9	G					YES	
MON 492.10	G					YES	
MON 492.11	D					YES	
MON 492.12	G					YES	
MON 493	P					YES	
MON 493.1	G					YES	
MON 493.2	G					YES	
MON 493.3	G					YES	
MON 493.4	G					YES	
MON 493.5	F					YES	
MON 493.6	P					YES	
MON 493.7	G					YES	
MON 493.8	G					YES	
MON 493.9	G					YES	
MON 493.10	G					YES	
MON 493.11	G					YES	
MON 494	G					YES	
MON 494.1	G					YES	
MON 494.2	P					YES	
MON 494.3	G					YES	
MON 494.4	G					YES	
MON 494.5	G					YES	
MON 494.6	G					YES	
MON 494.7	G					YES	
MON 494.8	G					YES	
MON 494.9	G					YES	

*Highlands S.W. Section
(Quebec/Maine, New Hampshire)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 494.10	G					YES	
MON 494.11	F					YES	
MON 494.12	G					YES	
MON 495	G					YES	
MON 495.1	G					YES	
MON 495.2	P					YES	
MON 495.3	G					YES	
MON 495.4	G					YES	
MON 495.5	G					YES	
MON 496	G					YES	
MON 496.1	F					YES	
MON 496.2	G					YES	
MON 496.3	G					YES	
MON 496.4	F					YES	
MON 496.5	G					YES	
MON 496.6	G					YES	
MON 496.7	P					YES	
MON 496.8	G					YES	
MON 496.9	G					YES	
MON 496.10	G					YES	
MON 497	P					YES	
MON 497.1	G					YES	
MON 497.2	F					YES	
MON 497.3	G					YES	
MON 497.4	F					YES	
MON 498	G					YES	
MON 498.1	G					YES	
MON 498.2	G					YES	
MON 498.3	G					YES	
MON 498.4	G					YES	
MON 498.5	G					YES	
MON 499	F					YES	
MON 499.1	G					YES	
MON 499.2	G					YES	
MON 499.3	G					YES	
MON 499.4	F					YES	
MON 500	P					YES	
MON 500.1	G					YES	
MON 500.2	G					YES	
MON 500.3	P					YES	
MON 500.4	F					YES	
MON 500.5	G					YES	
MON 500.6	G					YES	
MON 501.5	G					YES	
MON 502.1	NR					NO	

Highlands S.W. Section
(Quebec/Maine, New Hampshire)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 502.2	G					YES	
MON 502.3	NR					NO	
MON 502.4	F					YES	
MON 502.5	G					YES	
MON 502.6	F					YES	
MON 502.7	G					YES	
MON 502.8	G					YES	
MON 502.9	F					YES	
MON 502.10	G					YES	
MON 502.11	P					YES	
MON 502.12	F					YES	
MON 502.13	NR					NO	
MON 502.14	P					YES	
MON 502.15	G					YES	
MON 502.16	NR					NO	
MON 502.17	P					YES	
MON 502.18	P					YES	
MON 503	G					YES	
MON 503.1	P					YES	
MON 503.2	G					YES	
MON 503.3	F					YES	
MON 503.4	G					YES	
MON 503.5	F					YES	
MON 503.6	G					YES	
MON 503.7	G					YES	
MON 503.8	G					YES	
MON 503.9	D					YES	
MON 503.10	P					YES	
MON 503.11	P					YES	
MON 503.12	G					YES	
MON 503.13	P					YES	
MON 503.14	F					YES	
MON 503.15	D					YES	
MON 503.16	P					YES	
MON 504	G					YES	
MON 504.1	D					YES	
MON 504.2	G					YES	
MON 504.3	G					YES	
MON 504.4	F					YES	
MON 504.5	P					YES	
MON 504.6	G					YES	
MON 504.7	G					YES	

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***Halls Stream
(Quebec/New Hampshire)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON TP 399	G					YES	S
MON TP402	G					YES	S
MON TP404	G					YES	S
MON TP408	G					YES	S
MON TP414	G					YES	S
MON TP415	G					YES	S
MON TP418	NR					NO	
MON TP419	G					YES	S
MON TP420	G					YES	S
MON TP421	F					YES	S
MON TP422	F					YES	S
MON TP423	G					YES	S
MON TP424	G					YES	S
MON TP425	G					YES	S
RM 511-7	G					YES	S
MON TP427	G					YES	S
MON TP428	G					YES	S
MON TP429	G					YES	S
MON TP430	G					YES	S
MON TP431	NR					NO	
MON TP431	G					YES	S
MON TP432	G					YES	S
MON TP433	G					YES	S
MON TP434	G					YES	S
MON TP437	NR					NO	
MON TP438	G					YES	S
MON TP446	G					YES	S
MON TP447	G					YES	S
MON TP448	G					YES	S
MON TP 478	NR					NO	
MON TP 479	NR					NO	
MON TP 480	G					YES	S
MON TP 481	G					YES	S
MON TP 482	G					YES	S
MON TP 483	G					YES	S
MON TP 484	G					YES	S
MON TP 485	G					YES	S
MON TP486	G					YES	S

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***West Line (QC/VT)
(Quebec/Vermont)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 519A	P		MI	MP		YES	
MON 535F	G			MP		YES	
MON 542	G	R				YES	
MON 554A	G	R				YES	
MON 555A	G	R				YES	
MON 566	G	R				YES	
MON 570	G		MI			YES	
MON 576	G	R				YES	
MON 579	G	R				YES	
MON 580	G	R				YES	
MON 596A	G	R				YES	
MON 606A	G	R				YES	
MON 610	G	R				YES	
MON 629	G		MI	MP		YES	

***West Line (QC/NY)
(Quebec/New York)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 713A	G					YES	
MON 715	P					YES	
MON 716	G					YES	
MON 717	G					YES	
MON 718	G					YES	
MON 719	G					YES	
MON 721	G					YES	
MON 722	G					YES	
MON 722A	G					YES	
MON 723	G					YES	
MON 724	G					YES	
MON 725	G					YES	
MON 726	G					YES	
MON 726A	G					YES	
MON 727	G					YES	
MON 727A	G					YES	
MON 728	G					YES	
MON 730	G					YES	
MON 731	G					YES	
MON 732	G					YES	
MON 736	G					YES	
MON 737	G					YES	
MON 738	G					YES	

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***West Line (QC/NY)
(Quebec/New York)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 742	G					YES	
MON 744	G	R				YES	
MON 745	G					YES	
MON 746	G					YES	
MON 747	G					YES	
MON 748	G					YES	
MON 749	G					YES	
MON 750	P					YES	
MON 751	F					YES	
MON 751A	G					YES	
MON 752	G					YES	
MON 753	G	R				YES	
MON 755A	G					YES	

***St. Lawrence River
(Ontario/New York)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM 18-58	P					NO	
RM 25-58	P					NO	
RM 39-59	P					NO	
RM 44-59	P					NO	
RM 46	P					NO	
RM 50	P					NO	
RM 55	F		MI			YES	
RM 59-50	NR					NO	
RM 74	P					YES	

***Lake Superior to Rainy River
(Ontario/Minnesota)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM 412	G				DU	NO	S
RM 411	G				DU	NO	S
RM 413-17	G				DU	NO	S
RM 422	G				DU	NO	S
RM 423	G				DU	NO	S
RM 424	G				DU	NO	S
RM 425-17	G				DU	NO	S

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*Lake Superior to Rainy River
(Ontario/Minnesota)*

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM 426-96	G				DU	NO	S
RM 428-17	G				DU	NO	S
RM 427-37	G				DU	NO	S
RM 429-48	G				DU	NO	S
RM 436	G				DU	NO	S
RM 438-37	G				DU	NO	S
RM 437-17	G				DU	NO	S
RM 439-96	G				DU	NO	S
RM 440-17	G				DU	NO	S
RM 441-17	G				DU	NO	S
RM 442-17	G				DU	NO	S
RM 443	G				DU	NO	S
RM 444	G				DU	NO	S
RM 445-17	G				DU	NO	S
RM 458	G	NM			DU	NO	S
RM 456-19	G				DU	NO	S
RM 421-17	G				DU	NO	S

Rainy River and Lake of the Woods
(Ontario/Minnesota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM 102	G				DU	NO	S
RM 103-19	G	NM			DU	NO	S
RM 103-72	P				DU	NO	S
RM 104-19	G	NM			DU	NO	S
RM 104-37	P				DU	NO	S
RM 177	G				DU	NO	S
RM 178-17	G				DU	NO	S
RM 179	G				DU	NO	S
RM 180-17	G				DU	NO	S
RM 182-17	G				DU	NO	S
RM 183	G	R			DU	NO	S
RM 185	G				DU	NO	S
RM 186-17	G				DU	NO	S
RM 187	G				DU	NO	S
RM 181-95	G				DU	NO	S
RM 203	G				DU	NO	S
RM 204	G				DU	NO	S
RM 205-19	G	NM			DU	NO	S
RM 209	G				DU	NO	S
RM 210-19	G	NM			DU	NO	S
RM 211	G				DU	NO	S

Meridian and 49th Parallel (MB/MN)
(Manitoba/Minnesota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 845	G				DU	NO	S
MON 846	G				DU	NO	S
MON 851	G				DU	NO	S
MON 851B	G				DU	NO	S
MON 852	G				DU	NO	S
MON 853	G				DU	NO	S

49th Parallel (AB-SK-MB/MT- ND)
(Alberta, Saskatchewan/Montana, North Dakota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 305	G					YES	S
LM 309A	G					YES	S
LM 309B	G					YES	S
MON 310	G					YES	S
MON 311	G					YES	S
MON 313	G					YES	S
MON 316	G					YES	S
MON 317	G					YES	S
MON 318	G					YES	S
MON 318A	G					YES	S
MON 319	G					YES	S
MON 321	G					YES	S
MON 323A	G					YES	S
MON 324	G					YES	S
MON 325	G					YES	S
MON 326A	G					YES	S
MON 330	G					YES	S
MON 333	G			MP		YES	
MON 333AA	G			MP		YES	
MON 376	G					YES	S
MON 376A	G					YES	S
MON 378	G					YES	S
MON 379	G					YES	S
MON 380	G					YES	S
MON 390	G			MP		YES	
MON 390A	G			MP		YES	
MON 391	G			MP		YES	S
MON 391A	G			MP		YES	S
MON 392	G			MP		YES	
MON 392A	G			MP		YES	
MON 393	G			MP		YES	
MON 394	G			MP		YES	
MON 394A	G			MP		YES	
MON 395	G			MP		YES	
MON 396	G			MP		YES	
MON 396A	G			MP		YES	
MON 397	G			MP		YES	
MON 397A	G			MP		YES	
MON 398	G			MP		YES	
MON 398A	G			MP		YES	
MON 399	G			MP		YES	
MON 400	G			MP		YES	
MON 400A	G			MP		YES	
MON 401	G			MP		YES	

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49th Parallel (AB-SK-MB/MT- ND)
(Alberta, Saskatchewan/Montana, North Dakota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 402	G			MP		YES	
MON 402A	G			MP		YES	
MON 402B	G			MP		YES	
MON 403	G			MP		YES	S
MON 403A	G			MP		YES	S
MON 404	G			MP		YES	S
MON 405	G			MP		YES	S
MON 405A	G			MP		YES	S
MON 406	G			MP		YES	S
MON 407	G			MP		YES	S
MON 407A	G			MP		YES	
MON 408	G			MP		YES	
MON 408A	G			MP		YES	
MON 409	G			MP		YES	
MON 410	G			MP		YES	
MON 411	G			MP		YES	
MON 412	G			MP		YES	
MON 412A	G			MP		YES	
MON 412B	G			MP		YES	
MON 413	G			MP		YES	
MON 413A	G			MP		YES	
MON 414	G			MP		YES	
MON 415	G			MP		YES	
MON 415A	G			MP		YES	
MON 416	G			MP		YES	
MON 417	G			MP		YES	
MON 418	G			MP		YES	
MON 418A	G			MP		YES	
MON 419	G			MP		YES	
MON 420	G			MP		YES	
MON 420A	G			MP		YES	
MON 421	G			MP		YES	
MON 422	G			MP		YES	
MON 422A	G			MP		YES	
MON 423	G			MP		YES	
MON 424	G			MP		YES	
MON 424A	G			MP		YES	
MON 425	G			MP		YES	
MON 426	G			MP		YES	
MON 427	G			MP		YES	
MON 428	G			MP		YES	
MON 428A	G			MP		YES	
MON 429	G			MP		YES	
MON 430	G			MP		YES	
MON 430A	G			MP		YES	

49th Parallel (AB-SK-MB/MT- ND)
(Alberta, Saskatchewan/Montana, North Dakota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 430B	G			MP		YES	
MON 431	G			MP		YES	
MON 432	G			MP		YES	
MON 432A	G			MP		YES	
MON 433	G			MP		YES	
MON 433A	G			MP		YES	
MON 433B	G			MP		YES	
MON 434	G			MP		YES	
MON 434A	G			MP		YES	
MON 435	G			MP		YES	
MON 436	G			MP		YES	
MON 436A	G			MP		YES	
MON 437	G			MP		YES	
MON 437A	G			MP		YES	
MON 438	G			MP		YES	
MON 438A	G			MP		YES	
MON 439	G			MP		YES	
MON 440	G			MP		YES	
MON 441	G			MP		YES	
MON 442	G			MP		YES	
MON 443	G			MP		YES	
MON 444	G			MP		YES	
MON 445	G			MP		YES	
MON 446	G			MP		YES	
MON 446AA	G			MP		YES	
MON 446AA1	G			MP		YES	
MON 446A	G			MP		YES	
MON 447	G			MP		YES	
MON 447A	G			MP		YES	
MON 448	G			MP		YES	
MON 449	G			MP		YES	
MON 449A	G			MP		YES	
MON 450	G			MP		YES	
MON 451	G			MP		YES	
MON 451A	G			MP		YES	
MON 452	G			MP		YES	
MON 453	G			MP		YES	
MON 453A	G			MP		YES	
MON 454	G			MP		YES	
MON 454A	G			MP		YES	
MON 455	G			MP		YES	
MON 456	G			MP		YES	
MON 456A	G			MP		YES	
MON 457	G			MP		YES	
MON 457A	G			MP		YES	

49th Parallel (AB-SK-MB/MT- ND)
(Alberta, Saskatchewan/Montana, North Dakota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 458	G			MP		YES	
MON 458A	G			MP		YES	
MON 458B	G			MP		YES	
MON 459	G			MP		YES	
MON 460	G			MP		YES	
MON 460A	G			MP		YES	
MON 461	G			MP		YES	
MON 461A	G			MP		YES	
MON 462	G			MP		YES	
MON 463	G			MP		YES	
MON 463AA	G			MP		YES	
MON 463A	G			MP		YES	
MON 463B	G			MP		YES	
MON 464	G			MP		YES	
MON 464A	G			MP		YES	
MON 465	G			MP		YES	
MON 466	G			MP		YES	
MON 466A	G			MP		YES	
MON 467	G			MP		YES	
MON 467A	G			MP		YES	
MON 468	G			MP		YES	
MON 469	G			MP		YES	
MON 469A	G			MP		YES	
MON 469B	G			MP		YES	
MON 470	G			MP		YES	
MON 470A	G			MP		YES	
MON 470B	G			MP		YES	
MON 470C	G			MP		YES	
MON 471	G			MP		YES	
MON 472	G			MP		YES	
MON 472A	G			MP		YES	
MON 473	G			MP		YES	
MON 473A	G			MP		YES	
MON 474	G			MP		YES	
MON 475	G			MP		YES	
MON 476	G			MP		YES	
MON 477	G			MP		YES	
MON 477A	G			MP		YES	
MON 478	G			MP		YES	
MON 478A	G			MP		YES	
MON 478B	G			MP		YES	
MON 479	G			MP		YES	
MON 479A	G			MP		YES	
MON 479B	G			MP		YES	
MON 480	G			MP		YES	

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49th Parallel (AB-SK-MB/MT- ND)
(Alberta, Saskatchewan/Montana, North Dakota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 480A	G			MP		YES	
MON 480B	G			MP		YES	
MON 480C	G			MP		YES	
MON 481	G			MP		YES	
MON 481A	G			MP		YES	
MON 499A	G			MP		YES	
MON 500	G			MP		YES	
MON 500A	G			MP		YES	
MON 501	G			MP		YES	
MON 502	G			MP		YES	
MON 503	G			MP		YES	
MON 503A	G			MP		YES	
MON 504	G			MP		YES	
MON 505	G			MP		YES	
MON 505A	G			MP		YES	
MON 506	G			MP		YES	
MON 507	G			MP		YES	
MON 513	G			MP		YES	
MON 513A	G			MP		YES	
MON 514	G			MP		YES	
MON 514A	G			MP		YES	
MON 515	G			MP		YES	
MON 516	G			MP		YES	
MON 516A	G			MP		YES	
MON 517	G			MP		YES	
MON 517A	G			MP		YES	
MON 518	G			MP		YES	
MON 519	G			MP		YES	
MON 519A	G			MP		YES	
MON 520	G			MP		YES	
MON 521	G			MP		YES	
MON 521AA	G			MP		YES	
MON 521AA1	G			MP		YES	
MON 521A	G			MP		YES	
MON 522	G			MP		YES	
MON 522A	G			MP		YES	
MON 523	G			MP		YES	
MON 523A	G			MP		YES	
MON 524	G			MP		YES	
MON 524A	G			MP		YES	
MON 525	G			MP		YES	
MON 526	G			MP		YES	
MON 526A	G			MP		YES	
MON 527	G			MP		YES	
MON 528	G			MP		YES	

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49th Parallel (AB-SK-MB/MT- ND)
(Alberta, Saskatchewan/Montana, North Dakota)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 529	G			MP		YES	
MON 530	G			MP		YES	
MON 530A	G			MP		YES	
MON 531	G			MP		YES	
MON 532	G			MP		YES	
MON 532A	G			MP		YES	
MON 533	G			MP		YES	
MON 534	G			MP		YES	
MON 535	G			MP		YES	
MON 535A	G			MP		YES	
MON 536	G			MP		YES	
MON 537	G			MP		YES	
MON 537A	G			MP		YES	
MON 538	G			MP		YES	
MON 538A	G			MP		YES	
MON 538B	G			MP		YES	
MON 539A	G			MP		YES	
MON 539B	G			MP		YES	
MON 540	G			MP		YES	
MON 573	G			MP		YES	S
MON 574	G			MP		YES	S
MON 574A	G			MP		YES	S
MON 588	G			MP		YES	S
MON 591	G			MP		YES	S
MON 594	G			MP		YES	S
MON 599	G			MP		YES	S
MON 599A	G			MP		YES	S
MON 600	G			MP		YES	S
MON 601	G			MP		YES	S
MON 601A-66	G			MP		YES	
MON 601B-66	G			MP		YES	
MON 611	G			MP		YES	S
MON 612	G			MP		YES	S
MON 615	G			MP		YES	S
MON 615A-66	G			MP		YES	S
MON 615B-66	G			MP		YES	

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***49th Parallel (Foothills to West Kootenay River)
(Alberta/Montana)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 284	G					YES	S

***49th Parallel (Similkameen River to West Kootenay River)
(British Columbia/Washington)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 116A	G			MP		YES	
MON 116B	G			MP		YES	
MON 116C	G			MP		YES	
MON 116D	G			MP		YES	
MON 117-56	G			MP		YES	
MON 117A	G			MP		YES	
MON 117B	G			MP		YES	
LM 117D	G			MP		YES	
LM 117C	G			MP		YES	

***49th Parallel (Pacific to Columbia Valley)
(British Columbia/Washington)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 6	G					YES	S
MON 7	G					YES	S

***Southeast Alaska
(British Columbia/Alaska)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 0	G				DU	YES	S
MON 1	G				DU	YES	S
MON 1A	G				DU	YES	
MON 2	F		MI		DU	YES	
MON 3	F		MI		DU	YES	S
MON 4	F		MI		DU	YES	S
MON 5	F		MI		DU	YES	S
MON 6	F		MI		DU	YES	S
MON 7	F		MI		DU	YES	

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***Southeast Alaska
(British Columbia/Alaska)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 8	F		MI		DU	YES	
MON 9	F		MI		DU	YES	
MON 10	G				DU	YES	
MON 10A	G				DU	YES	
MON 11	F		MI		DU	YES	
MON 12	G				DU	YES	
MON 12A	G				DU	YES	
MON 13	NR				DU	NO	
MON 14	G				DU	YES	S
MON 15	F		MI		DU	YES	
MON 15A	F		MI		DU	YES	S
MON 17	F		MI		DU	YES	S
MON 19	F		MI		DU	YES	S
MON 20	F		MI		DU	YES	S
MON 21	F		MI		DU	YES	S
MON 22	G				DU	YES	S
MON 23	F		MI		DU	YES	S
MON 24	F		MI		DU	YES	
MON 25	F		MI		DU	YES	
MON 26	F		MI		DU	YES	
MON 27	F		MI		DU	YES	
MON 29	F		MI		DU	YES	
MON 30	NR				DU	NO	
MON 31	F		MI		DU	YES	
MON 32	F		MI		DU	YES	
MON 33	F		MI		DU	YES	
MON 34	NR				DU	NO	
MON 35	F		MI		DU	YES	
MON 36	F		MI		DU	YES	
MON 37	P				DU	YES	
MON 38	G				DU	YES	
MON 39	F		MI		DU	YES	
MON 40	F		MI		DU	YES	
MON 41	F		MI		DU	YES	
MON 42	G				DU	YES	
MON 43	F		MI		DU	YES	S
MON 44	F		MI		DU	YES	S
MON 45	F		MI		DU	YES	
MON 46	F		MI		DU	YES	S
MON 49	G				DU	YES	S
MON 50	G				DU	YES	
MON 51	NR				DU	NO	
MON 52	NR				DU	NO	
BP 54	G				DU	YES	S
MON 55	U				DU	NO	

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Southeast Alaska
(British Columbia/Alaska)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 56	G				DU	YES	S
MON 57	F		MI		DU	YES	S
MON 58	F		MI		DU	YES	S
MON 59	NR				DU	NO	
SITE OF MON 60	NR				DU	NO	
MON 61	G				DU	YES	S
MON 62	F		MI		DU	YES	S
MON 62B	G				DU	YES	S
MON 64	G				DU	YES	S
MON 65	G				DU	YES	S
MON 66	G				DU	YES	S

APPENDIX B – SUMMARY OF MAINTENANCE AND SURVEY WORK

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MONUMENT MAINTENANCE

North Line

(New Brunswick/Maine)

Monuments recovered	156
Monuments repaired or re-established	11
Monuments painted	152

St. Francis River

(New Brunswick, Quebec/Maine)

Monuments recovered	27
Monuments painted	25
Line Marks recovered	37
Line Marks not recovered	1
Line Marks painted	32
Reference Monuments recovered	70
Reference Monuments painted	69

Highlands N.E. Section

(Quebec/Maine)

Monuments recovered	390
Monuments established	1
Monuments repaired or re-established	153
Monuments surveyed	154

Highlands S.W. Section

(Quebec/Maine, New Hampshire)

Monuments recovered	846
Monuments not recovered	37
Monuments repaired or re-established	20
Monuments surveyed	50

Halls Stream
(Quebec/New Hampshire)

Monuments recovered	32
Monuments not recovered	5
Monuments surveyed	32
Reference Monuments recovered	1
Reference Monuments surveyed	1

West Line (QC/VT)
(Quebec/Vermont)

Monuments recovered	14
Monuments repaired or re-established	13
Monuments painted	3

West Line (QC/NY)
(Quebec/New York)

Monuments recovered	36
Monuments repaired or re-established	2

St. Lawrence River
(Ontario/New York)

Reference Monuments recovered	8
Reference Monuments not recovered	1
Reference Monuments repaired or re-established	1

Lake Superior to Rainy River
(Ontario/Minnesota)

Reference Monuments recovered	24
Reference Monuments established	1
Reference Monuments surveyed	24

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**Rainy River and Lake of the Woods
(Ontario/Minnesota)**

Reference Monuments recovered	21
Reference Monuments established	4
Reference Monuments repaired or re-established	1
Reference Monuments surveyed	21

**Meridian and 49th Parallel (MB/MN)
(Manitoba/Minnesota)**

Monuments recovered	6
Monuments surveyed	6

**49th Parallel (AB-SK-MB/MT- ND)
(Alberta, Saskatchewan/Montana, North Dakota)**

Monuments recovered	258
Monuments painted	238
Monuments surveyed	43
Line Marks recovered	2
Line Marks surveyed	2

**49th Parallel (Foothills to West Kootenay River)
(Alberta/Montana)**

Monuments recovered	1
Monuments surveyed	1

**49th Parallel (Similkameen River to West Kootenay River)
(British Columbia/Washington)**

Monuments recovered	7
Monuments painted	7
Line Marks recovered	2
Line Marks painted	2

49th Parallel (Pacific to Columbia Valley)
(British Columbia/Washington)

Monuments recovered	2
Monuments surveyed	2

Southeast Alaska
(British Columbia/Alaska)

Monuments recovered	56
Monuments not recovered	6
Monuments repaired or re-established	36
Monuments surveyed	27

Summary of Vista clearing operations

Section name	Province / State	Boundary Monument to Monument	Section responsible	Distance km	Distance mi
North line	New Brunswick / Maine	MON 1 to MON 49	US (Contract)	56.3	35.2
St. Francis	New Brunswick and Quebec / Maine	Various areas from TP 357 to TP 716	US	5.2	3.3
West Line	Quebec / New-York and Vermont	MON 713A to MON 755A	CANADA (Contract)	34.0	21.3
49th parallel (Osoyoos)	British Columbia / Washington	MON 117B to MON 117-56	US	0.3	0.2
49th parallel (Columbia Valley)	British Columbia / Washington	MON 26 to MON 41	CANADA	4.2	2.6
49th parallel (Cascade mountains)	British Columbia / Washington	MON 41 to MON 44	CANADA	7.2	4.5
TOTAL				107.2	67.1

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APPENDIX C – 15 YEAR PLAN

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Level	Major Task	Section	Cycle (years)
3	Vista Clearing & Maintenance	Passamaquoddy Bay	3
3	Inspection & Maintenance	St. Croix River	8
1	Vista Clearing & Maintenance	North Line	6
3	Inspection & Maintenance	Saint John River	8
2	Inspection & Maintenance	St. Francis River	4
2	Vista Clearing & Maintenance	Southwest and South Lines	6
3	Inspection & Maintenance	Southwest Branch of the St. John River	8
2	Vista Clearing & Maintenance	Highlands N.E. Section	6
2	Vista Clearing & Maintenance	Highlands S.W. Section	6
2	Inspection & Maintenance	Halls Stream	4
1	Vista Clearing & Maintenance	West Line (QC/VT)	6
1	Vista Clearing & Maintenance	West Line (QC/NY)	6
3	Inspection & Maintenance	St. Lawrence River	8
3	Inspection & Maintenance	Lake Ontario and Niagara River	8
3	Inspection & Maintenance	Lake Erie, Detroit and St. Clair Rivers	8
3	Inspection & Maintenance	Lake Huron, Saint Marys River and Lake Superior	8
3	Inspection & Maintenance	Lake Superior to Rainy River	8
3	Inspection & Maintenance	Rainy River and Lake of the Woods	8
2	Vista Clearing & Maintenance	Meridian and 49th Parallel (MB/MN)	5
2	Vista Clearing & Maintenance	49th Parallel (MB/ND)	5
2	Vista Clearing & Maintenance	49th Parallel (AB-SK-MB/MT- ND)	5
3	Vista Clearing & Maintenance	49th Parallel (Foothills to West Kootenay River)	8
3	Vista Clearing & Maintenance	49th Parallel (Similkameen River to West Kootenay River)	8
3	Vista Clearing & Maintenance	49th Parallel (Columbia Valley to Similkameen River)	8
1	Vista Clearing & Maintenance	49th Parallel (Pacific to Columbia Valley)	5
3	Inspection & Maintenance	Straits of Georgia and Juan De Fuca	8
3	Inspection & Maintenance	Portland Canal	8
3	Vista Clearing & Maintenance	Southeast Alaska	10
3	Vista Clearing & Maintenance	141st Meridian (YK/AK)	15

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Task	Section	x 1000\$
2017	Inspection & Maintenance	Passamaquoddy Bay
	Inspection & Maintenance	Saint John River
	Inspection & Maintenance	Highlands S.W. Section
	Vista Clearing	Highlands S.W. Section
	Inspection & Maintenance	West Line (QC/VT)
	Inspection & Maintenance	Lake Superior to Rainy River
	Inspection & Maintenance	Rainy River and Lake of the Woods
	Inspection & Maintenance	49th Parallel (AB-SK-MB/MT- ND)
	Survey	49th Parallel (Foothills to West Kootenay River)
	Maintenance	49th Parallel (Pacific to Columbia Valley)
	Vista Clearing	Southeast Alaska
	Survey	141st Meridian (YK/AK)
	Mapping	50
	Contingency	50
	TOTAL	1,866

Task	Section	x 1000\$
2018	Vista Clearing	North Line
	Inspection & Maintenance	Saint John River
	Inspection & Maintenance	St. Francis River
	Vista Clearing	Southwest and South Lines
	Inspection & Maintenance	Southwest Branch of the St. John River
	Maintenance	Highlands N.E. Section
	Vista Clearing	Highlands S.W. Section
	Inspection & Maintenance	Halls Stream
	Vista Clearing	West Line (QC/NY)
	Inspection & Maintenance	Lake Ontario and Niagara River
	Inspection	Meridian and 49th Parallel (MB/MN)
	Maintenance	49th Parallel (AB-SK-MB/MT- ND)
	Inspection & Maintenance	49th Parallel (Pacific to Columbia Valley)
	Vista Clearing	Southeast Alaska
	Mapping	50
	Contingency	50
	TOTAL	2,206

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Task	Section	x 1000\$
2019	Inspection & Maintenance	St. Croix River
	Inspection & Maintenance	North Line
	Maintenance	Highlands N.E. Section
	Vista Clearing	West Line (QC/VT)
	Inspection & Maintenance	St. Lawrence River
	Inspection & Maintenance	Lake Erie, Detroit and St. Clair Rivers
	Vista Clearing	Meridian and 49th Parallel (MB/MN)
	Maintenance	49th Parallel (MB/ND)
	Vista Clearing	49th Parallel (MB/ND)
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing	49th Parallel (Similkameen River to West Kootenay River)
	Vista Clearing	49th Parallel (Pacific to Columbia Valley)
	Vista Clearing	Southeast Alaska
	Mapping	
	Contingency	
	TOTAL	2,091

Task	Section	x 1000\$
2020	Maintenance	Passamaquoddy Bay
	Maintenance	St. Croix River
	Maintenance	North Line
	Vista Clearing	Highlands N.E. Section
	Vista Clearing	West Line (QC/VT)
	Inspection & Maintenance	Lake Huron, Saint Marys River and Lake Superior
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing	49th Parallel (Similkameen River to West Kootenay River)
	Vista Clearing	49th Parallel (Columbia Valley to Similkameen River)
	Inspection & Maintenance	49th Parallel (Pacific to Columbia Valley)
	Inspection & Maintenance	Straits of Georgia and Juan De Fuca
	Vista Clearing	Southeast Alaska
	Maintenance	Southeast Alaska
	Capital	Truck replacement
	Contingency	
	TOTAL	2,208

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Task	Section	x 1000\$
2021	Maintenance	Highlands S.W. Section
	Vista Clearing & Maintenance	Meridian and 49th Parallel (MB/MN)
	Vista Clearing	49th Parallel (MB/ND)
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing & Maintenance	49th Parallel (Pacific to Columbia Valley)
	Inspection & Maintenance	Portland Canal
	Vista Clearing & Maintenance	Southeast Alaska
	Contingency	
	TOTAL	2,154

Task	Section	x 1000\$
2022	Inspection & Maintenance	St. Francis River
	Vista Clearing	Highlands N.E. Section
	Maintenance	Highlands S.W. Section
	Inspection & Maintenance	Halls Stream
	Maintenance	Meridian and 49th Parallel (MB/MN)
	Maintenance	49th Parallel (AB-SK-MB/MT- ND)
	Maintenance	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing	49th Parallel (Similkameen River to West Kootenay River)
	Contingency	
	TOTAL	2,064

Task	Section	x 1000\$
2023	Survey	Passamaquoddy Bay
	Maintenance	Passamaquoddy Bay
	Survey	St. Croix River
	Vista Clearing & Maintenance	Southwest and South Lines
	Vista Clearing & Maintenance	Highlands S.W. Section
	Vista Clearing	West Line (QC/NY)
	Maintenance	Meridian and 49th Parallel (MB/MN)
	Vista Clearing & Maintenance	49th Parallel (Foothills to West Kootenay River)
	Maintenance	49th Parallel (Similkameen River to West Kootenay River)
	Contingency	
	TOTAL	1,943

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Task	Section	x 1000\$
2024	Vista Clearing	North Line
	Vista Clearing	Highlands S.W. Section
	Vista Clearing	West Line (QC/VT)
	Vista Clearing	Meridian and 49th Parallel (MB/MN)
	Maintenance	49th Parallel (MB/ND)
	Vista Clearing & Maintenance	141st Meridian (YK/AK)
	Vista Clearing & Maintenance	141st Meridian (YK/AK)
	Contingency	
	TOTAL	2,184

Task	Section	x 1000\$
2025	Vista Clearing & Maintenance	North Line
	Vista Clearing	West Line (QC/VT)
	Maintenance	St. Lawrence River
	Maintenance	Lake Superior to Rainy River
	Maintenance	Rainy River and Lake of the Woods
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing & Maintenance	49th Parallel (Columbia Valley to Similkameen River)
	Vista Clearing & Maintenance	49th Parallel (Pacific to Columbia Valley)
	Vista Clearing	141st Meridian (YK/AK)
	Vista Clearing	141st Meridian (YK/AK)
	Contingency	
	TOTAL	2,433

Task	Section	x 1000\$
2026	Vista Clearing & Maintenance	Passamaquoddy Bay
	Vista Clearing & Maintenance	North Line
	Maintenance	Saint John River
	Maintenance	St. Francis River
	Maintenance	Southwest Branch of the St. John River
	Inspection & Maintenance	Halls Stream
	Maintenance	Lake Ontario and Niagara River
	Vista Clearing	Meridian and 49th Parallel (MB/MN)
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing	141st Meridian (YK/AK)
	Vista Clearing	141st Meridian (YK/AK)
	Contingency	
	TOTAL	2,632

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Task	Section	x 1000\$
2027	Maintenance	St. Croix River
	Maintenance	Lake Erie, Detroit and St. Clair Rivers
	Vista Clearing	Meridian and 49th Parallel (MB/MN)
	Inspection & Maintenance	49th Parallel (AB-SK-MB/MT- ND)
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing & Maintenance	49th Parallel (Similkameen River to West Kootenay River)
	Vista Clearing	141st Meridian (YK/AK)
	Vista Clearing	141st Meridian (YK/AK)
	Contingency	
	TOTAL	2,232

Task	Section	x 1000\$
2028	Maintenance	St. Croix River
	Vista Clearing & Maintenance	Southwest and South Lines
	Vista Clearing	Highlands N.E. Section
	Vista Clearing & Maintenance	West Line (QC/NY)
	Inspection & Maintenance	Lake Huron, Saint Marys River and Lake Superior
	Vista Clearing & Maintenance	Meridian and 49th Parallel (MB/MN)
	Vista Clearing & Maintenance	49th Parallel (MB/ND)
	Maintenance	49th Parallel (AB-SK-MB/MT- ND)
	Vista Clearing & Maintenance	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing	141st Meridian (YK/AK)
	Contingency	
	TOTAL	2,643

Task	Section	x 1000\$
2029	Vista Clearing & Maintenance	Passamaquoddy Bay
	Vista Clearing	Highlands S.W. Section
	Vista Clearing	West Line (QC/VT)
	Vista Clearing	Meridian and 49th Parallel (MB/MN)
	Vista Clearing & Maintenance	49th Parallel (MB/ND)
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing & Maintenance	49th Parallel (Columbia Valley to Similkameen River)
	Inspection & Maintenance	Portland Canal
	Vista Clearing & Maintenance	Southeast Alaska
	Contingency	
	TOTAL	2,140

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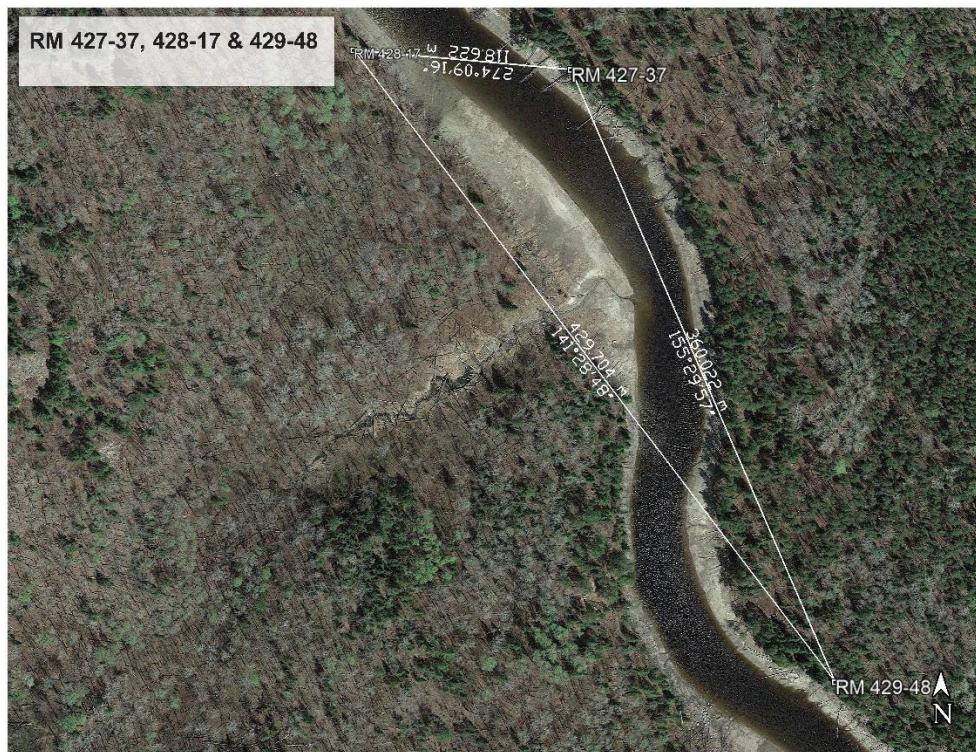
Task	Section	x 1000\$
2030	Vista Clearing & Maintenance	North Line
	Inspection & Maintenance	St. Francis River
	Vista Clearing	West Line (QC/VT)
	Inspection & Maintenance	Halls Stream
	Vista Clearing	49th Parallel (Foothills to West Kootenay River)
	Vista Clearing & Maintenance	49th Parallel (Pacific to Columbia Valley)
	Vista Clearing & Maintenance	Southeast Alaska
	Vista Clearing & Maintenance	Southeast Alaska
	Contingency	
	TOTAL	1,785

APPENDIX D – PLANS OF MONUMENTS INSTALLED

Loon River





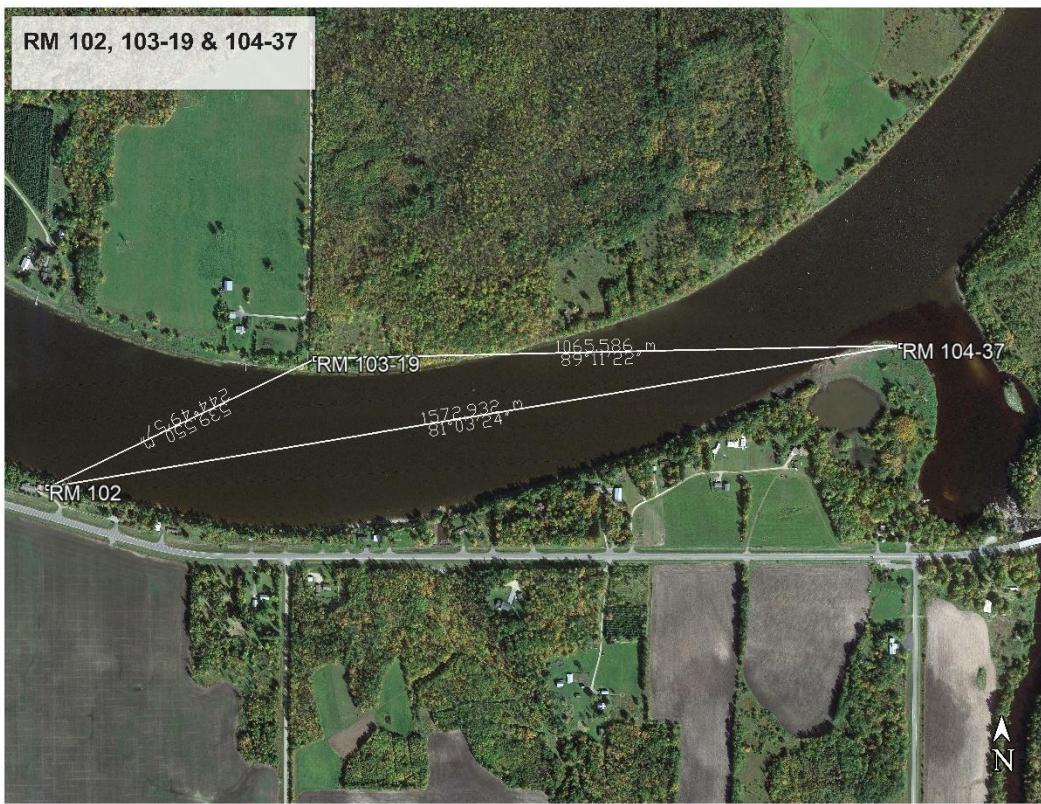
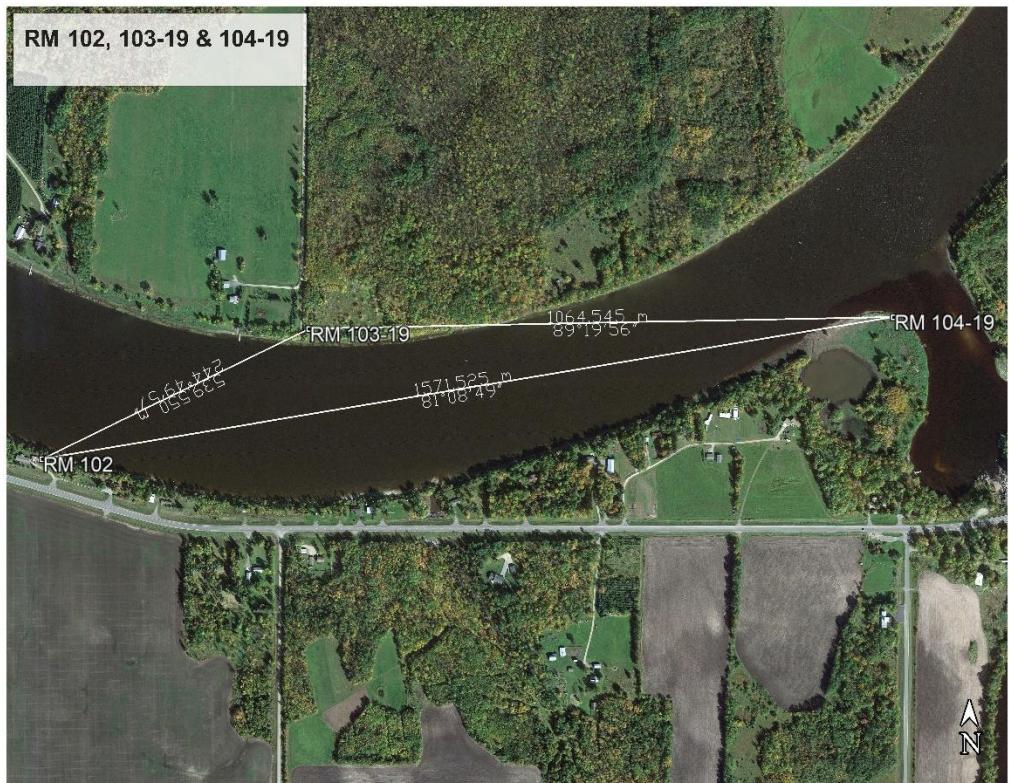


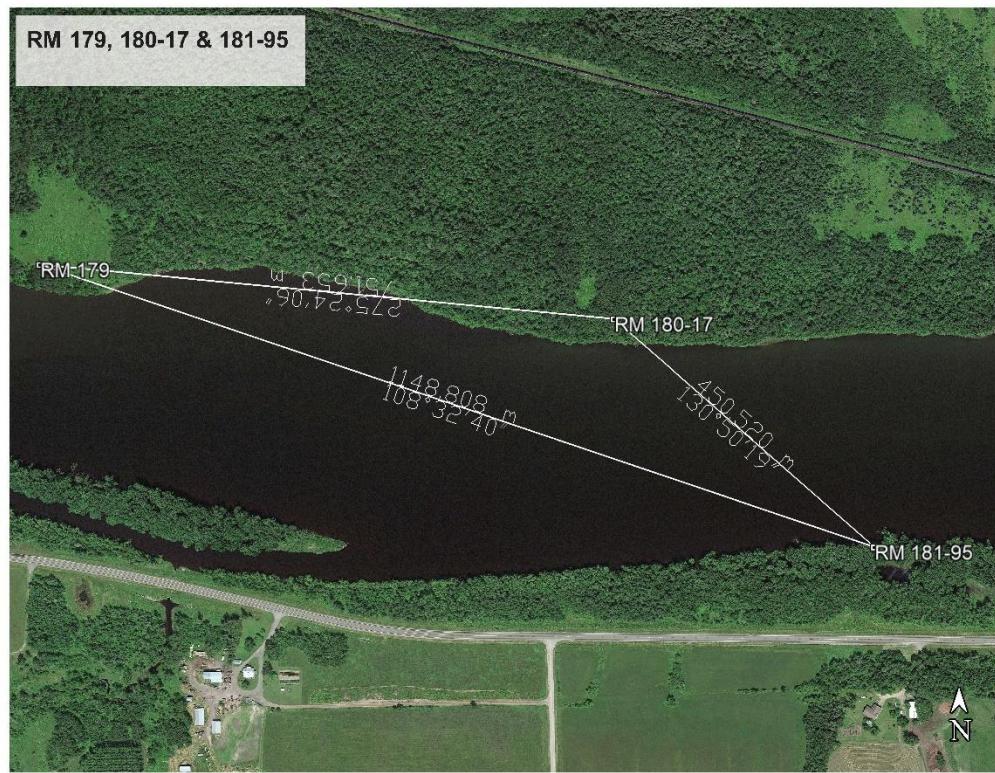
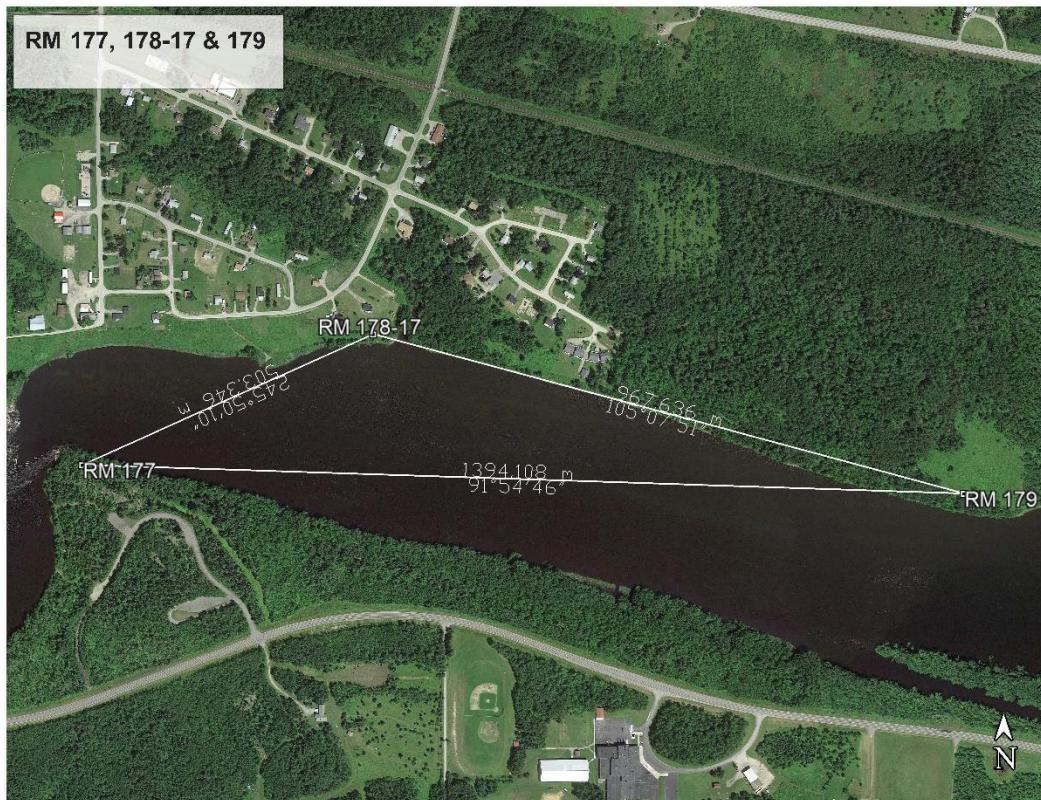


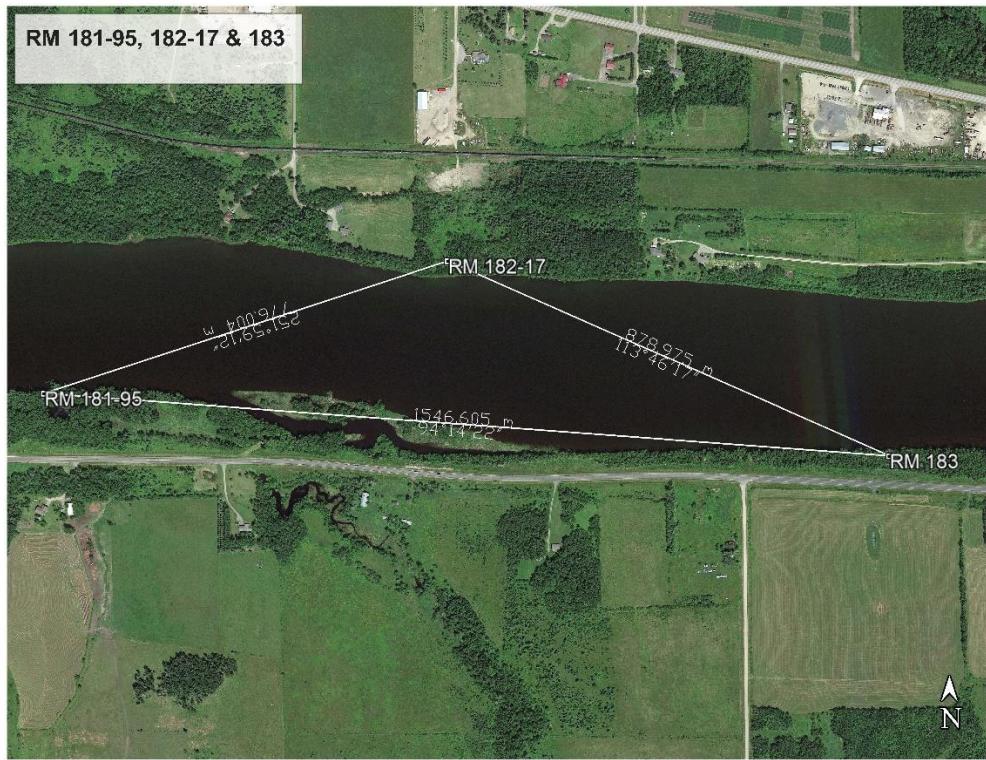


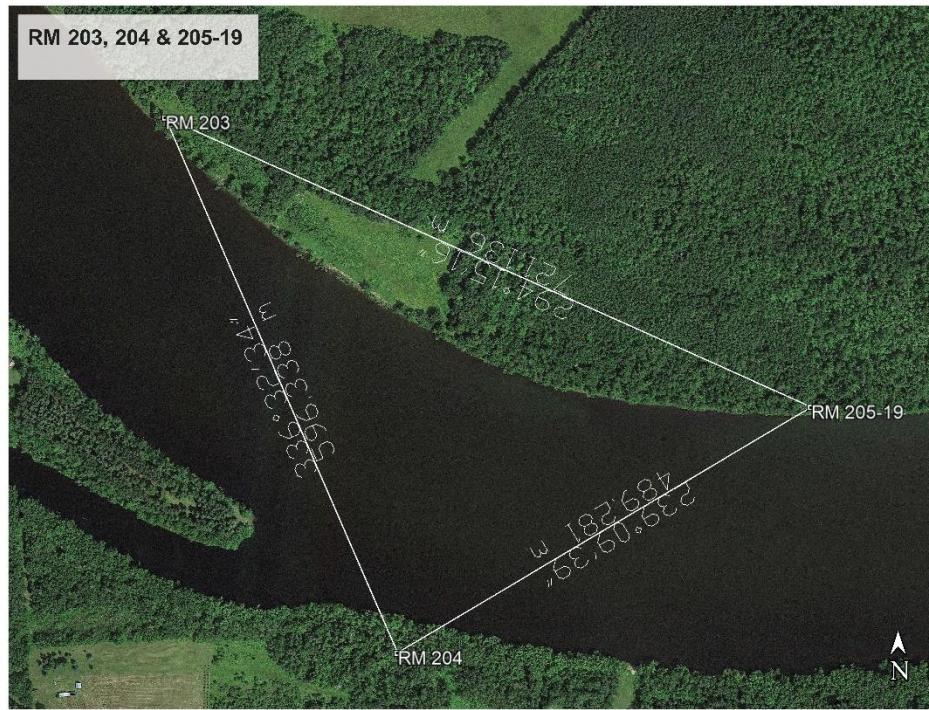


Rainy River











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