

JOINT ANNUAL REPORT
**INTERNATIONAL
BOUNDARY
COMMISSION**
UNITED STATES AND CANADA

2024



International Boundary Commission
Joint Annual Report 2024

Cover Photo

West Quoddy Head Lighthouse, used as a boundary reference mark for the Terminus of Passamaquoddy Bay Section on Grand Manan Channel (ME). Built in 1808, it is now a visitor center and museum.



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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 Treaty of 1925 set out the responsibilities of the Commissioners as:

1. 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;
2. Repair all damaged monuments and buoys;
3. Relocate and rebuild monuments that have been destroyed;
4. Keep the boundary vistas open;
5. Move boundary monuments to new sites and establish such additional monuments and buoys as they shall deem desirable;
6. Maintain at all times an effective boundary line between the Dominion of Canada and the United States;
7. 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 a year, a joint report containing a statement of the inspections made, the monuments and buoys repaired, relocated, rebuilt, moved, and established, as well as the mileage and location of vistas opened. The report is to contain plans and tables certified and signed by the Commissioners, providing the locations and geodetic positions of all monuments moved and all additional monuments established within the year, as well as any other information necessary to keep the boundary maps and records accurately revised.

This is the 99th¹ Joint Annual Report from the Commissioners to their respective Governments on the state of the boundary between the United States and Canada.

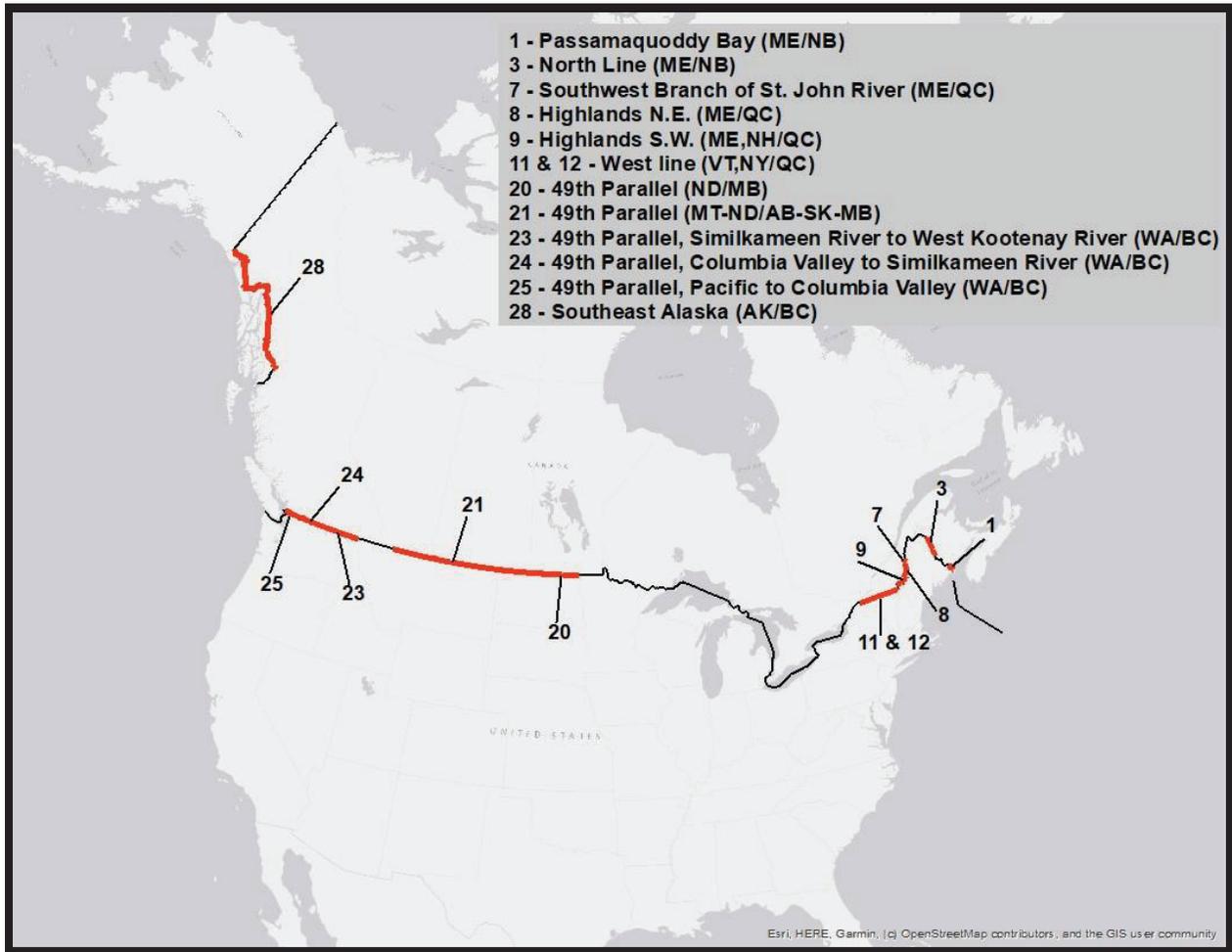
¹Erratum: A persistent numbering error was recently identified, originating with the 2007 Joint Annual Report being incorrectly labeled as the 83rd edition instead of the 82nd. This mis designation carried through subsequent publications, resulting in the 2023 Joint Annual Report being erroneously designated as the 99th (when it was, in fact, the 98th). The Commission has since corrected this discrepancy. Accordingly, the 2024 Joint Annual Report is now properly designated as the 99th edition.

MAINTENANCE ACTIVITIES

To ensure efficient and orderly management of maintenance activities, the boundary is divided into 30 numbered sections each of which correspond to areas that have similar topographical characteristics. These activities are guided by a 15-year maintenance plan that cycles the entire length of the boundary. The 2024 field season took place between April and October, during which crews from the United States and Canada conducted projects on 13 sections of the boundary.

They are presented from east to west and correspond to the numbered section and the activity performed.

2024 Project Map



Location of Activities by Section

Section 1: Passamaquoddy Bay (ME/NB)

Range Mark Inspection and Survey

The 25-mile (40 km) section of the International Boundary follows 14 straight-line courses, passing between the islands of Passamaquoddy Bay, and is defined by 15 Turning Points. Each TP is located by a pair of onshore range marks that are periodically cleared to maintain line-of-sight. A significant number of the range marks are set on islands and require marine transport to access.

This year's project involved inspecting and surveying all the range marks from the original survey to retrace the position of TP, that defines the boundary. Forty-six range marks were recovered in good condition and surveyed; 3 range marks were destroyed. Ten additional existing control points were also surveyed, as well as the establishment of a new control point near the Lighthouse on the Southern Wolf Island. Three RM were also recovered on the St. Croix River to tie into Passamaquoddy Bay.



Southwest Wolf Island Lighthouse (1871) on the southeastern point of Southern Wolf Island (NB).

Section 3: North Line (ME/NB)

Vista Clearing

The North Line begins at the source of the St. Croix River and runs approximately 78 miles (125 km) northward to its intersection with the Saint John River, separating New Brunswick and Maine. Stretched across farms and forests, the rapidly growing vegetation necessitates frequent maintenance. This year's project continued the efforts on the North Line that have been ongoing for several years.

During the 2024 field season, a contract was awarded to clear 35.0 miles (56.0 km) of all underbrush and overhanging branches to maintain the 20-foot vista opening between Monuments 1 and 49.

Section 7: Southwest Branch of St. John River (ME/QC)

Monument Inspection



Reference Monument S18 on the Southwest Branch St. John River.

At the end of the Southwest and South Line Section, the boundary becomes a water boundary as it follows the Southwest Branch of the St. John River to its source at Little Lake St. John. This 38-mile (61-km) section ascends the small, shallow stream through remote and densely wooded terrain. It is defined by 1,045 turning points, which are referenced by 99 monuments. Being a remote and undisturbed section, the Southwest Branch requires little maintenance.

This season, the remaining 89 reference monuments were inspected, which completes the inspection of this section. In total, 55 are in good condition, seven are in fair condition, and 20 are in poor condition. Five reference monuments have been destroyed, and monuments found to be in poor condition will need to be replaced.

Section 8: Highlands N.E. (ME/QC)

Monument Inspection, Maintenance and Survey



The Highlands Section of the boundary follows the height of land between 2 watersheds – the Atlantic and the St. Lawrence River. It is the land boundary between the Southwest Branch of the St. John River and the Head of Halls Stream and is divided into two sections. The Northeast Section is composed of mostly rolling hills and is relatively accessible compared to the Southwest Section, which is mountainous and tough to access. One of the biggest challenges of the Highlands Section is locating over 1,660 monuments that lie between Monuments 314 and 405; the majority of these are disks that are at or slightly below grade.

During the 2024 field season, 769 monuments were recovered, of which 118 were renewed and 584 were surveyed.

Top: Old disk and concrete type monument.

Bottom: New rebar and cap type monument.

ME/QC.

Section 9: Highlands S.W. (ME/QC)

Monument Inspection, Maintenance and Survey



The Southwest Section of the Highlands Boundary is a continuation of the Northeast Section. It is comprised of approximately 1800 monuments that are densely packed, so that it closely follows the height of land, as laid out in the original survey. The mountainous terrain and numerous boundary monuments make it one of the more rugged sections of the boundary to work on.

This season, 150 monuments were recovered, of which 26 were renewed and 42 were surveyed.

Surveying along the Highlands S.W. Section, ME/QC

Section 11: West Line (VT/QC)

Vista Clearing, Monument Inspection and Maintenance

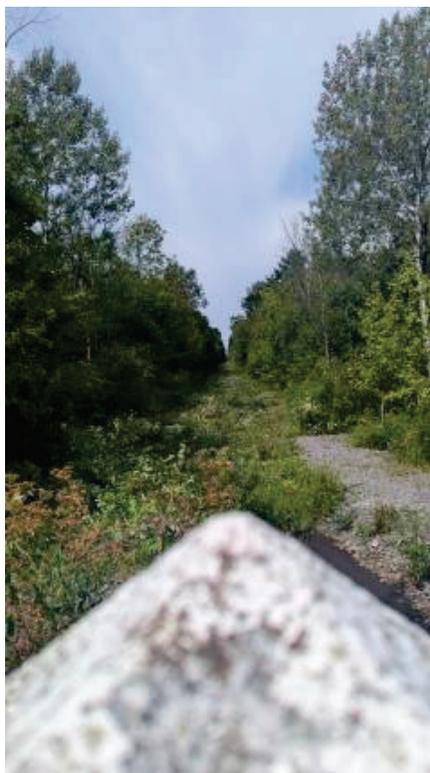
The 45th Parallel, or West Line boundary, from Halls Stream to the St. Lawrence River, divides fertile farmlands along southern Quebec and northern Vermont and New York. Many parts of this region were settled before any attempt had been made to define the boundary. The original marked line dates back before the War of Independence and was no more than a compass line run to establish the boundary between two British colonies. In retracing the original line, many deflections were encountered, and the line was found to deviate a considerable distance from the 45th Parallel. As a result, the boundary runs through scattered farmland and forests, a cemetery, as well as villages and many buildings. Although some of these buildings on the boundary are abandoned, the owners still seek permission to maintain their existing structures. Additionally, numerous roads cross and run along the border, facilitating easy access for maintenance operations. However, surveillance and heavy traffic make it a sensitive and important part of the international boundary.

The vista was cleared between Mon 661 and Mon 662 (U.S. side only), and between Mon 547 and Mon 548. The Beacher Falls (Mon 518A-519A), the Abercorn (Mon 600-600A), the East Pinnacle (Mon 604), and the Frelighsburg (Mon 611-611A) port of entries were also cleared of brush. Forty-two monuments were recovered, of which Mon 543, Mon 604, Mon 594A and Mon621A were repaired.

Section 12: West Line (NY/QC)

Vista Clearing, Monument Inspection and Maintenance

The New York portion of the West Line Boundary is a continuation of the Vermont-Quebec boundary, which approximates the 45th parallel of latitude. The line passes through farmland and forests for 65 miles (105 km) and is marked by over 160 boundary monuments. Many parts of this region were settled before any attempt to define the boundary was made, and predates the War of Independence, at a time when it was no more than a compass-line run to establish the boundary between two British Colonies. Thus, upon retracing the original line, many deflections were encountered, and it deviated considerably from the 45th parallel. Consequently, the line passes over cultivated fields and through villages where it intersects with many buildings. While some of these “line houses” are abandoned, owners still seek permission to maintain their structures. Numerous Ports of Entry, surveillance and heavy traffic make this section a sensitive and important part of the International Boundary.

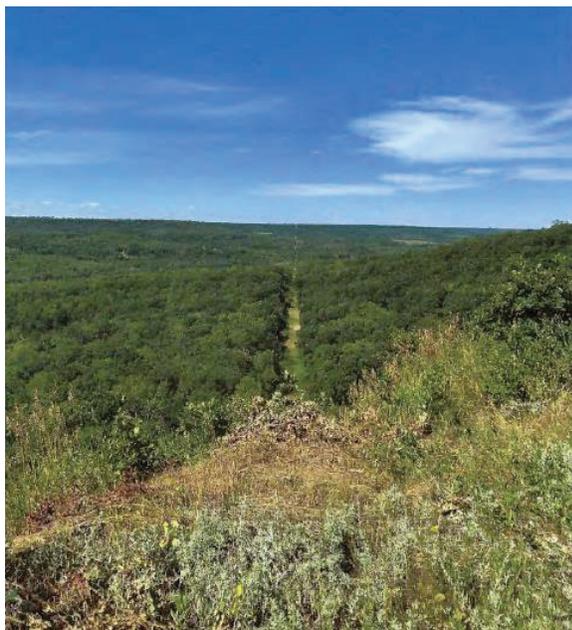


This season, a crew inspected 29 monuments, of which six were repaired.

The vista looking west from Monument 660 at Roxham Rd, NY/QC.

Section 20: 49th Parallel (ND/MB)

Monument Inspection, Maintenance, and Survey



The North Dakota-Manitoba boundary is 186 miles (300 km) in length and marked by 165 monuments. Most of the boundary line passes through open prairie, broken by two minor mountain ranges. The Pembina Hills, which are forest-covered over 12 miles (19 km), and the Turtle Mountains, which are forested over a distance of 35 miles (56 km), are located within this area.

This season, an IBC crew performed inspections while continuing with the monument maintenance by replacing intermediary boundary monument cylinders with a standard type, stainless steel obelisks. The crew inspected 57 monuments; 4 were renewed, and 45 were surveyed.

Looking west across the Pembina Gorge, ND/MN.

Section 21: 49th Parallel (MT-ND/AB-SK-MB)

Monument Inspection

The Prairie Section covers Montana/North Dakota – Alberta/Saskatchewan portion of the boundary, which was resurveyed, mapped, and monumented between 1909 and 1912. The 550 miles (885 km) of open prairie is marked by 410 monuments.

The crew inspected 10 monuments at the Coutts Joint Facility crossing and the line was marked for 6 miles (9.6 km) heading east between Mon 333B and Mon 341, along Border Road. The boundary was also located along a 4 mile segment of farmland between Mon 581 and Mon 584, where five monuments were recovered.

Section 23: 49th Parallel, Similkameen River to West Kootenay River (WA/BC)

Vista Clearing

As with most of the Idaho/Washington and British Columbia boundary, this section traverses several mountain ranges that are predominantly forested. This 145-mile (232 km) section is marked by 97 monuments and a 20-foot-wide vista. As the line travels west from Grand Forks through the Okanogan Valley, conditions are semi-arid with considerable agricultural, commercial, and mining interests that have developed along the boundary.

A vista clearing contract was issued from the east shore of Lake Osoyoos from Monuments 118 to 132, 18.8 miles (30.3 km).

Section 24: 49th Parallel, Columbia Valley to Similkameen River (WA/BC)

Monument Inspection, Maintenance and Vista Clearing



The Washington-British Columbia boundary, which traverses the mountain ranges inland from the Pacific Ocean, presents one of the more difficult sections of the line to maintain. Mountains are abrupt and densely forested with only one access road intersecting the boundary. This 106-mile (170 km) remote and rugged boundary is marked with 67 monuments and a 20-foot-wide vista.

In total, seven monuments were recovered, with two of them being repaired. The vista was cleared at Ross Lake, where the Silver Skagit Road crosses campgrounds on both the U.S. and Canadian sides.

Monument 48 - Cascade Mountain Range, WA/BC.

Section 25: 49th Parallel, Pacific to Columbia Valley (WA/BC)

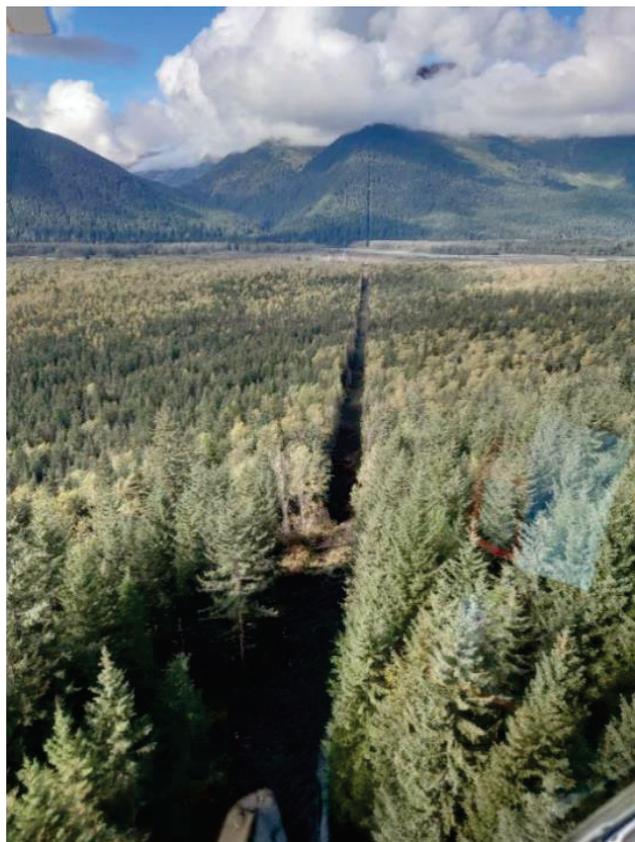
Monument Inspection, Maintenance and Vista Clearing

This is the last section of the 49th Parallel Section along the Washington State and British Columbia international boundary. It is the area, along the Fraser Valley, which is densely populated and situated in prime agricultural land. The prolific growth of vegetation and the intense development make this a high-profile area for the Commission. A majority of the boundary runs parallel to 0th Avenue, which helps to keep most of the vista free of encroachments; it then crosses Boundary Bay and the Point Roberts Peninsula to its terminus at Monument 0 on the shore of the Strait of Georgia.

In total, 89 monuments were inspected, painted and the brush was cleared. The vista was cleared on the east shore of Boundary Bay and at the Sumas Port of Entry.

Section 28: Southeast Alaska (AK/BC)

Vista Clearing



Inspection by helicopter of the Taku River Valley Vista clearing, YK/C.-B.

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. From the head of the Portland Canal, for a distance of 1110 km (694 mi), 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 lined with heavy timber cross the boundary between mountain peaks. It is across these rivers that maintenance is required to effectively mark the line.

A Vista clearing contract was carried out in the Whiting and Taku River Valleys, between Boundary Point 79 and 83 and between Boundary Point 87 and 92 for a distance of 23.1 km (14.4 mi).

COMMISSIONERS' ACTIVITIES

Field Inspections

On August 15, 2024, Commissioner Hipsley met with crew marking the boundary east of the Sweet Grass/Coutts Port of Entry for the Border Patrol.

September 26, 2024, Commissioner Gagnon delegated the field inspection of a field crew working in the Highlands S.W. Section to acting Commissioner Martin Gingras.

On October 25, 2024, Commissioner Gagnon inspected the work performed by an IBC field crew at the Peace Arch Park and along 0 Avenue of Section 25.

Commissioners' Meetings

The Canadian and U.S. Commissioners met twice during the year to review the status of projects, agree on upcoming projects, and approve the comparable expenditures. Any new issues are brought to their attention and recorded in the meeting minutes. The spring meeting was held in April in Washington, DC, and the second meeting was held virtually in January 2025; each section presented the field projects completed during the field season. Additional discussions concerning ongoing tasks are as follows:

- Outstanding vista encroachments.
- The development of Survey Standards and boundary determination along water boundaries.
- Policy on existing fences when owners wish to make repairs or replace them.
- A concerted effort to update boundary coordinates onto a modern datum.
- Updating the Commission's website and digital file availability.

REGULATORY ITEMS

The Commission monitors the construction of all works within 10 feet (3 meters) of the boundary. Thus, all construction—whether it be a ditch, building, surface or underground structure like telephone, cable, electrical line, or gas pipeline line of communication, or other—must first be authorized by the Commission.

The following is a list of regulatory items addressed by the Commission in 2024:

Section 20 - Peace Garden Airport

Authorization to rehabilitate Runway 29 turnaround at the Peace Garden Airport. The site of this specific request is located approximately 165 m east of Mon 711B, Bismarck, ND.

Section 25 – BC Hydro –Removal of poles and infrastructure

Authorization granted to remove 8 poles and infrastructure inside the 3.05 meters regulated zone of the International Boundary. The site of this specific request starts at a distance of 20 meters West of Boundary Monument 33 and ends 420 meters West of Boundary Monument 33.

Section 25 – BC Hydro –Removal of poles and infrastructure

Authorization granted to remove 9 poles and infrastructures inside the 3.05 meters regulated zone of the International Boundary. The site of this specific request starts at a distance of 32 meters West of Boundary Monument 32 and ends 292 meters West of Boundary Monument 32A.

Throughout the year, many requests are received at the various IBC offices. Some of these requests are reviewed and documented, but do not require a letter of authorization from the Commissioners. In 2024, the IBC processed approximately 25 other requests that did not require authorization.

REPORT ON COMPARABLE EXPENDITURES

This report shows the total amount spent by both sections of the Commission as of March 31, 2024, 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 Commissioners' 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 of 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.

Because each country's fiscal year covers two calendar years, the divisible expenditure report may not always show all costs related to current-year projects and can include some costs from the previous year's projects.

Expenditures are shown in each country's respective currency.

International Boundary Commission
Joint Annual Report 2024

Certified Comparable Expenditures to March 31, 2024



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 DEMARCATION OF THE BOUNDARY LINE
IN ACCORDANCE WITH THE PROVISIONS OF
THE TREATY OF 1925, AS OF MARCH 31, 2024

	United States (USD)	Canada (CAD)
Total to March 31, 2023	30,167,554.56 \$	31,109,187.29 \$
Projects from April 1, 2023 to March 31, 2024		
Section 4 – Saint John River (TP 1 to TP 230) (NB/ME): Reconnaissance and field survey of the United States and Islands Reference Monuments.		179,624.20 \$
Section 6 - Southwest and South Lines (MON 178 to MON 308): Inspection, maintenance and field survey.		156,386.30 \$
Section 8 - Highlands N.E. (MON 314 to MON 404.27): Inspection, maintenance and field survey.		237,800.54 \$
Section 9 – Highlands S.W. (MON 405 to MON 507) (QC/ME): Vista clearing contract (Mon 484 to 507) totaling 30.4 km / 19.0 mi		66,880.00 \$
Section 9 – Highlands S.W. (MON 405 to MON 507) (QC/ME): Monument maintenance, inspection, field survey and in-house vista clearing.		141,799.00 \$
Section 11 – West line (Mon 518 to Mon 644A) (QC/VT) Section 12 – West line (Mon 645 to Terminus) (QC/NY): Inspection, maintenance and field surveys.		30,323.54 \$
Section 15 – Lake Erie, Detroit and St. Clair Rivers (TP 154 to TP 214) (ON/MI): Inspection and maintenance of monuments and reference monuments.		35,977.57 \$
Section 16 – Lake Huron, Saint Mary’s River and Lake Superior (TP 215 to TP 269/1797): Inspection and maintenance of reference monuments.		10,686.78 \$

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Section 25 – 49th Parallel (Pacific to Columbia Valley) (MON 0 to MON 42) (BC/WA)		
Section 24 – 49th Parallel (Columbia Valley to Similkameen River) (MON 43 to MON 109) (BC/WA): Vista clearing contract (Mon 39 to 44A and 59 to the shore of Ross lake near Mon 71) totaling 35.0 km / 21.9 mi		370,282.80 \$
Section 1 - Passamaquoddy Bay (TP1 - TP 15) (ME/NB): Range Mark Maintenance Contract	38,000.00	\$
Section 4 – Saint John River (TP 1 to TP 230) (ME/NB): Reconnaissance and field survey of the United States and Islands Reference Monuments.	167,540.51	\$
Section 9 - Highlands S.W. (QC/ME): IBC-02-23 Vista clearing contract (Mon 405 - Mon 452) totaling 44.1 mi / 71.0 km	190,953.00	\$
Section 20 - 49th Parallel (ND/MB): CRFO 01-21 In-house Vista Clearing, Monument Maintenance, Surveys	197,290.50	\$
Section 23 - 49th Parallel (WA/BC): IBC-02-22 Vista clearing contract continuation (Mon 132 - Mon 165) totaling 36 mi / 58 km	205,994.00	\$
Other expenditures from April 1, ²⁰²³2022 to March 31, ²⁰²⁴2023		
Joint annual report printing	-	\$ 4,367.00 \$
Vehicle	67,500.00	\$ 59,289.00 \$
	Sub-total for ²⁰²³⁻²⁴2022-23	867,278.01 \$ 1,293,416.73 \$
	Total as of March 31, ²⁰²⁴2021	31,034,832.57 \$ 32,402,604.02 \$

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

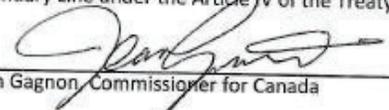
I hereby certify that the above amount of **31,034,832.57 \$** is an accurate statement of the total amount expended to March 31, 2024 on the part of the United States in the joint maintenance of the International Boundary Line under the Article IV of the Treaty of 1925.



Kyle Hipsley, United States Commissioner

GREAT FALLS
MONTANA Feb 19th 2025
Place Date

I hereby certify that the above amount of **32,402,604.02 \$** is an accurate statement of the total amount expended to March 31, 2024 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

OTTAWA, CANADA January 10, 2025
Place Date

COMMISSIONERS OF THE IBC

UNITED STATES		CANADA	
Otto H. Tittmann	1904 – 1915	William F. King	1904 – 1916
Edward C. Barnard	1915 – 1921	James J. McArthur	1917 – 1924
E. Lester Jones	1921 – 1929	John D. Craig	1925 – 1931
James H. Van Wagenen	1929 – 1935	Noel J. Ogilvie	1931 – 1947
Thomas Riggs	1935 – 1945	James M. Wardle	1947 – 1950
John A. Ulinski	1945 – 1953	J. Leslie Rannie	1950 – 1951
Samuel L. Golan	1953 – 1961	J. Earl R. Ross	1951 – 1957
Edward J. King	1961 – 1969	A. Frederick Lambert	1957 – 1976
Richard L. Herman	1969 – 1977	Alec C. McEwen	1976 – 1991
William M. Schreiber	1977 – 1981	Suzanne Jacques	1991 – 1996
Frank R. Whetstone	1981 – 1985	Michael O’Sullivan	1996 – 2005
David C. Fischer	1985 – 1991	Peter J. Sullivan	2005 – 2017
Allen C. Kolstad	1991 – 1993	Jean L. Gagnon	2017 – 2025
Clyde Moore (Acting)	1993 – 1996	Martin Gingras	2025 -
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 – 2025		
John T. Moore, Jr (Acting)	2025 -		

CERTIFICATION

We certify that the foregoing is a true record of the work done by the Commissioners during the year ending December 31, 2024 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.

The dates appearing in the expense report on page 16 are hereby amended and duly certified as accurate.

John T. Moore, Jr
Acting Commissioner for the United States

Martin Gingras
Commissioner for Canada

**International Boundary Commission
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APPENDIX A – DETAILS OF MAINTENANCE AND SURVEY WORK

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 mean 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

Passamaquoddy Bay (Maine/New Brunswick)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM 245	G					YES	S
RM 246	G					YES	S
RG M 1	G					YES	S
RG M 2	G					YES	S
RG M 5	G					YES	S
RG M 6	G					YES	S
RG M 11	G					YES	S
RG M 18	G					YES	S
RG M 9	G					YES	S
RG M 10	G					YES	S
RG M 7	G					YES	S
RG M 17	G					YES	S
RG M 13	D					YES	
RG M 8	G					YES	S
RG M 15	G					YES	S
RG M 12	G					YES	S
RG M 16	G					YES	S
RG M 30	G					YES	S
RG M 19	G					YES	S

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***Passamaquoddy Bay
(Maine/New Brunswick)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RG M 20	G					YES	S
RG M 29	G					YES	S
RG M 22	G					YES	S
RG M 21	G					YES	S
RG M 32	G					YES	S
RG M 31	G					YES	S
RG M 24	G					YES	S
RG M 23	G					YES	S
RG M 25	G					YES	S
RG M 26	G					YES	S
RG M 28	G					YES	S
RG M 27	D					YES	
RG M 36	G					YES	S
RG M 33	G					YES	S
RG M 34	G					YES	S
RG M 35	G					YES	S
RG M 37	G					YES	S
RG M 38	G					YES	S
RG M 46	G					YES	S
RG M 40	D					YES	S
RG M 39=GUNNER	G					YES	S
RG M 45	G					YES	S
RG M 44	G					YES	S
RG M 43	G					YES	S
RG M 41	G					YES	S
RG M 42	G					YES	S
RG M 48	G					YES	S
RG M 47	G					YES	S

***St. Croix River
(Maine, New Brunswick)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM S 244	G					P	S
RM C 245	G					P	S
RM S 246	G					P	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM S8	P					YES	
RM 311	G					YES	
RM S14	P					YES	
RM C16	G					NO	
RM S16	G					YES	
RM S18	P					YES	
RM C21	D					YES	
RM S20	G					YES	
RM S22	G					YES	
RM S25	G					YES	
RM S26	P					YES	
RM S29	F					YES	
RM C30N	D					YES	
RM S31	G					YES	
RM C31	NR					NO	
RM S32	G					YES	
RM C32	NR					NO	
RM S34	G					YES	
RM C33	D					YES	
RM C34	D					YES	
RM S35	F					YES	
RM C36	P					YES	
RM S37	D					YES	
RM S39	G					YES	
RM C38A-99	G					YES	
RM S41	G					YES	
RM C40	F					YES	
RM C42N	G					YES	
RM S43	G					YES	
RM C44	G					YES	
RM S45	G					YES	
RM S49	P					YES	
RM C48	G					YES	
RM S50	G					YES	
RM C50	G					YES	
RM S53	G					YES	
RM C52	G					YES	
RM C53	G					YES	
RM S56	P					YES	
RM C56-00	G					YES	
RM C57	G					YES	
RM C58	G					YES	
RM S58	F					YES	

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM C59N	G					YES	
RM S59-00	G					YES	
RM S60N	G					YES	
RM C60	G					YES	
RM S61	P					YES	
RM C61	G					YES	
RM C62-00	G					YES	
RM S62	G					YES	
RM C63-00	G					YES	
RM S63	G					YES	
RM S64	F					YES	
RM C64	P					YES	
RM C65	G					YES	
RM C66	G					YES	
RM S65	P					YES	
RM S66	G					YES	
RM C67	G					YES	
RM C68	P					YES	
RM S67	F					YES	
RM C69	P					YES	
RM S68	G					YES	
RM C70	G					YES	
RM S69	P					YES	
RM 312-43	G					YES	
RM 313	P					YES	
RM C71	P					YES	
RM C72	G					YES	
RM S70	P					YES	
RM C73	G					YES	
RM S71	P					YES	
RM S72	G					YES	
RM C74	P					YES	
RM C75	G					YES	
RM S73	G					YES	
RM C76	P					YES	
RM S74	G					YES	
RM S75	F					YES	
RM C77	G					YES	
RM S76	G					YES	
RM S77	P					YES	
RM C78	G					YES	
RM S78	G					YES	
RM C79	G					YES	

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
RM C80	G					YES	
RM S79-43	G					YES	
RM C81	G					YES	

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 321	G					NO	S
MON 330.1	G					NO	S
MON 335.20	G					YES	S
MON 335.21	G					YES	S
MON 335.22	G					YES	S
MON 335.23	G					YES	S
MON 336	G					YES	S
MON 336.1	G					YES	S
MON 336.2	G					YES	S
MON 336.3	G					YES	S
MON 336.4	G					YES	S
MON 336.5	G					YES	S
MON 336.6	G					YES	S
MON 336.7	G					YES	S
MON 336.8	G					YES	S
MON 336.9	G					YES	S
MON 336.10	G					YES	S
MON 336.11	G					YES	S
MON 336.12	G					YES	S
MON 336.13	G					YES	S
MON 337	G					YES	S
MON 337.1	G					YES	S
MON 337.2	G					YES	S
MON 337.3	G					YES	S
MON 337.4	G					YES	S
MON 337.5	G					YES	S
MON 337.6	G					YES	S
MON 337.7	G					YES	S
MON 337.8	G					YES	S
MON 338	G					YES	S
MON 338.1	G					YES	S
MON 338.2	G					YES	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 338.3	G					YES	S
MON 338.4	G					YES	S
MON 338.5	G					YES	S
MON 338.6	G					YES	S
MON 338.7	G					YES	S
MON 338.8	G					YES	
MON 342.5	G					YES	
MON 342.6	G					YES	S
MON 342.7	G					YES	S
MON 342.8	G					YES	S
MON 342.9	G					YES	S
MON 342.10	G					YES	S
MON 342.11	G					YES	S
MON 342.12	G					YES	S
MON 342.13	G					YES	S
MON 342.14	G					YES	S
MON 342.15	G					YES	S
MON 342.16	G					YES	S
MON 342.17	G					YES	S
MON 342.18	G					YES	S
MON 342.19	G					YES	S
MON 342.20	G					YES	S
MON 342.21	G					YES	S
MON 342.22	G					YES	S
MON 342.23	G					YES	S
MON 342.24	G					YES	S
MON 342.25	G					YES	S
MON 342.26	G					YES	S
MON 342.27	G					YES	S
MON 342.28	G					YES	S
MON 342.29	G					YES	S
MON 342.30	G					YES	S
MON 342.31	G					YES	S
MON 342.32	G					YES	S
MON 343	G					YES	S
MON 343.1	G					YES	S
MON 343.2	G					YES	S
MON 343.3	G					YES	S
MON 343.4	G					YES	S
MON 343.5	G					YES	S
MON 343.6	G					YES	
MON 343.7	G					YES	S
MON 343.8	G					YES	S
MON 343.9	G					YES	S
MON 343.10	G					YES	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 343.11	G					YES	S
MON 343.12	G					YES	S
MON 343.13	G					YES	S
MON 343.14	G					YES	S
MON 343.15	G					YES	S
MON 343.16	G					YES	S
MON 343.17	G					YES	S
MON 343.18	G					YES	S
MON 343.19	G					YES	S
MON 344	G					YES	S
MON 344.1	G					YES	S
MON 344.2	G					YES	S
MON 344.3	G					YES	S
MON 344.4	G					YES	S
MON 344.5	G					YES	S
MON 344.6	G					YES	S
MON 344.7	G					YES	S
MON 344.8	G					YES	S
MON 344.9	G					YES	S
MON 344.10	G					YES	S
MON 344.11	G					YES	S
MON 344.12	G					YES	S
MON 344.13	G					YES	S
MON 344.14	G					YES	S
MON 344.15	G					YES	S
MON 344.16	G					YES	S
MON 344.17	G					YES	S
MON 344.18	G					YES	S
MON 344.19	G					YES	S
MON 344.20	G					YES	S
MON 344.21	G					YES	S
MON 345	G					YES	S
MON 345.1	G					YES	S
MON 345.2	G					YES	S
MON 345.3	G					YES	S
MON 345.4	G					YES	S
MON 345.5	G					YES	
MON 345.6	G					YES	S
MON 345.7	G					YES	S
MON 345.8	G					YES	S
MON 345.9	G					YES	S
MON 345.10	G					YES	S
MON 345.11	G					YES	S
MON 345.12	G					YES	S
MON 345.13	G					YES	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 345.14	G					YES	S
MON 345.15	G					YES	S
MON 345.16	G					YES	S
MON 345.17	G					YES	S
MON 345.18	G					YES	S
MON 345.19	G					YES	S
MON 345.20	G					YES	S
MON 345.21	G					YES	S
MON 345.22	G					YES	S
MON 345.23	G					YES	S
MON 345.24	G					YES	S
MON 345.25	G					YES	S
MON 345.26	G					YES	S
MON 345.27	G					YES	S
MON 345.28	G					YES	S
MON 345.29	G					YES	S
MON 345.30	G					YES	S
MON 345.31	G					YES	S
MON 345.32	G					YES	S
MON 345.33	G					YES	S
MON 345.34	G					YES	S
MON 345.35	G					YES	S
MON 345.36	G					YES	S
MON 345.37	G					YES	S
MON 345.38	G					YES	S
MON 346	G					YES	S
MON 346.1	G					YES	S
MON 346.2	G					YES	
MON 359.4	G					YES	
MON 359.5	G					YES	
MON 359.6	G					YES	S
MON 359.7	G					YES	S
MON 359.8	G					YES	S
MON 359.9	G					YES	S
MON 359.10	G					YES	S
MON 360	G					YES	S
MON 360.1	G					YES	S
MON 360.2	G					YES	S
MON 360.3	G					YES	S
MON 360.4	G					YES	S
MON 360.5	G					YES	S
MON 360.6	G					YES	S
MON 360.7	G					YES	S
MON 360.8	G					YES	S
MON 360.9	G					YES	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 360.10	G					YES	S
MON 360.11	G					YES	S
MON 360.12	G					YES	S
MON 361	G					YES	S
MON 361.1	G					YES	S
MON 361.2	G					YES	S
MON 361.3	G					YES	S
MON 361.4	G					YES	S
MON 361.5	G					YES	S
MON 362	G					YES	S
MON 362.1	G					YES	S
MON 362.2	G					YES	S
MON 362.3	G					YES	S
MON 362.4	G					YES	S
MON 362.5	G					YES	S
MON 362.6	G					YES	S
MON 362.7	G					YES	S
MON 362.8	G					YES	S
MON 362.9	G					YES	S
MON 363	G					YES	S
MON 363.1	G					YES	S
MON 363.2	G					YES	S
MON 363.3	F					YES	S
MON 363.4	G					YES	S
MON 363.5	G					YES	S
MON 363.6	G					YES	S
MON 363.7	G					YES	S
MON 363.8	G					YES	S
MON 363.9	G					YES	S
MON 363.10	G					YES	S
MON 364	G					YES	
MON 364.1	G					YES	S
MON 364.2	G					YES	S
MON 364.3	G					YES	S
MON 364.4	G					YES	S
MON 364.5	G					YES	S
MON 365	G					YES	S
MON 365.1	G					YES	S
MON 365.2	G					YES	S
MON 365.3	G					YES	S
MON 365.4	G					YES	S
MON 365.5	G					YES	S
MON 365.6	G					YES	S
MON 365.7	G					YES	S
MON 365.8	G					YES	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 366	G	R				YES	S
MON 366.1	G					YES	S
MON 366.2	G					YES	S
MON 366.3	G					YES	S
MON 366.4	G					YES	S
MON 366.5	G					YES	S
MON 366.6	G					YES	S
MON 366.7	G					YES	S
MON 366.8	G					YES	S
MON 366.9	G					YES	S
MON 366.10	F					YES	S
MON 366.11	G					YES	S
MON 366.12	G					YES	S
MON 367	G					YES	S
MON 367.1	G					YES	S
MON 367.2	G					YES	S
MON 367.3	G					YES	S
MON 367.4	G					YES	S
MON 367.5	F					YES	S
MON 367.6	G					YES	S
MON 367.7	G					YES	S
MON 367.8	G					YES	S
MON 367.9	G					YES	S
MON 367.10	G					YES	S
MON 367.11	G					YES	S
MON 367.12	G					YES	S
MON 367.13	G					YES	S
MON 367.14	G					YES	S
MON 367.15	G					YES	S
MON 367.16	G					YES	S
MON 368	G		MI			YES	S
MON 368.1	G					YES	
MON 368.2	G					YES	S
MON 368.3	G					YES	S
MON 368.4	G					YES	S
MON 368.5	G					YES	S
MON 368.6	G					YES	S
MON 368.7	G					YES	S
MON 368.8	G					YES	S
MON 368.9	G					YES	S
MON 368.10	G					YES	S
MON 368.11	G					YES	S
MON 368.12	G					YES	S
MON 368.13	G					YES	S
MON 368.14	G					YES	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 368.15	G					YES	S
MON 368.16	G					YES	S
MON 368.17	G					YES	S
MON 368.18	G					YES	S
MON 368.19	G					YES	S
MON 368.20	G					YES	S
MON 368.21	G					YES	S
MON 368.22	G					YES	S
MON 368.23	G					YES	S
MON 368.24	G					YES	S
MON 369	G					YES	S
MON 369.1	G		MI			YES	
MON 369.2	G					YES	
MON 369.3	G					NO	
MON 369.4	G					NO	
MON 369.5	G		MI			YES	
MON 369.6	G					NO	
MON 369.7	G					NO	
MON 369.8	G		MI			YES	
MON 369.9	G					NO	
MON 369.10	G		MI			YES	
MON 369.11	G		MI			YES	
MON 369.12	G					NO	
MON 369.13	G					NO	
MON 369.14	G					NO	
MON 369.15	G		MI			YES	
MON 370	G					YES	
MON 370.1	G					YES	
MON 370.2	G					YES	
MON 370.3	G		MI			YES	
MON 370.4	G	R				YES	
MON 370.5	G					NO	
MON 370.6	G					YES	
MON 370.7	G					YES	
MON 370.8	G	R				YES	
MON 370.9	G					YES	
MON 370.10	G		MI			YES	
MON 371	G					YES	
MON 371.1	G					YES	
MON 371.2	G		MI			YES	
MON 371.3	G					YES	
MON 371.4	G					NO	
MON 371.5	G					YES	
MON 371.6	G		MI			YES	
MON 371.7	G		MI			YES	

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 371.8	G		MI			YES	
MON 371.9	G	R				YES	
MON 371.10	G					YES	
MON 371.11	P		MI			YES	
MON 371.12	G					YES	
MON 371.13	G		MI			YES	
MON 371.14	G	R				YES	
MON 371.15	G		MI			YES	
MON 371.16	G					YES	
MON 371.17	G		MI			YES	
MON 372	G					YES	
MON 372.1	G		MI			YES	
MON 372.2	G					YES	
MON 372.3	G					YES	
MON 373	G		MI			YES	
MON 373.1	G					YES	
MON 373.2	G		MI			YES	
MON 373.3	G					YES	
MON 373.4	G	R				YES	
MON 373.5	G	R				YES	
MON 373.6	G	R				YES	
MON 373.7	G					YES	
MON 374	G					YES	
MON 374.1	G					YES	
MON 374.2	G					YES	
MON 374.3	G					YES	
MON 374.4	G					YES	
MON 374.5	G					YES	
MON 374.6	G					YES	
MON 374.7	G					YES	
MON 374.8	G	R				YES	
MON 374.9	G		MI			YES	
MON 374.10	G					YES	
MON 374.11	G					YES	
MON 374.12	G					YES	
MON 374.13	G	R				YES	
MON 374.14	G					YES	
MON 374.15	G					YES	
MON 374.16	G					YES	
MON 374.17	G					YES	
MON 374.18	G					YES	
MON 374.19	G					YES	
MON 374.20	G	R				YES	
MON 374.21	G		MI			YES	
MON 374.22	G	R				YES	

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 374.23	G					YES	
MON 374.24	G					YES	
MON 374.25	G					YES	
MON 374.26	G					YES	
MON 374.27	G					YES	
MON 375	G		MI			YES	
MON 375.1	G					YES	
MON 375.2	G	R				YES	
MON 375.3	G					YES	
MON 375.4	G		MI			YES	
MON 375.5	G	R				YES	S
MON 375.6	G					YES	
MON 375.7	G					YES	
MON 375.8	G					YES	
MON 375.9	G		MI			YES	
MON 375.10	G					YES	
MON 376	G					YES	
MON 376.1	G					YES	
MON 376.2	G					YES	
MON 376.3	G					YES	
MON 376.4	G					YES	
MON 376.5	G					YES	
MON 376.6	G	R				YES	
MON 376.7	G		MI			YES	S
MON 376.8	G	R				YES	S
MON 377	G					YES	S
MON 377.1	G					YES	S
MON 377.2	G	R				YES	S
MON 377.3	G					YES	S
MON 377.4	G					YES	S
MON 377.5	G					YES	S
MON 378	G					YES	S
MON 378.1	G					YES	S
MON 378.2	G					YES	S
MON 378.3	G					YES	S
MON 378.4	G					YES	S
MON 378.5	G					YES	S
MON 378.6	G					YES	S
MON 378.7	G	R				YES	S
MON 378.8	G					YES	S
MON 378.9	G					YES	S
MON 378.10	G					YES	S
MON 378.11	G					YES	S
MON 378.12	G					YES	S
MON 378.13	G					NO	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 378.14	G					YES	S
MON 378.15	G	R				YES	S
MON 378.16	G	R				YES	S
MON 378.17	G					YES	S
MON 378.18	G					YES	S
MON 378.19	G		MI			YES	S
MON 378.20	G					YES	S
MON 378.21	G					YES	S
MON 378.22	G					YES	S
MON 378.23	G		MI			YES	S
MON 378.24	G		MI			YES	S
MON 378.25	G	R				YES	S
MON 379	G					YES	S
MON 379.1	G	R				YES	S
MON 379.2	G					YES	S
MON 379.3	G					YES	S
MON 379.4	G					YES	S
MON 379.5	G					YES	S
MON 379.6	G					YES	S
MON 379.7	G					YES	S
MON 379.8	G					YES	S
MON 380	G					YES	S
MON 380.1	G					YES	S
MON 380.2	G					YES	S
MON 380.3	G					YES	S
MON 380.4	G	R				YES	S
MON 380.5	G					YES	S
MON 380.6	G					YES	S
MON 380.7	G					YES	S
MON 380.8	G					YES	S
MON 380.9	G	R				YES	S
MON 380.10	G					YES	S
MON 380.11	G					YES	S
MON 380.12	G		MI			YES	
MON 380.13	G		MI			YES	S
MON 380.14	G					YES	S
MON 380.15	G					YES	S
MON 380.16	G					YES	S
MON 380.17	G		MI			YES	S
MON 380.18	G		MI			YES	S
MON 380.19	G					YES	S
MON 380.20	G					YES	S
MON 380.21	G					YES	S
MON 380.22	G					YES	S
MON 380.23	G					YES	S

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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 381	G					YES	S
MON 381.1	G					YES	S
MON 381.2	G					YES	S
MON 381.3	G					YES	S
MON 381.4	G					YES	S
MON 381.5	G					YES	S
MON 381.6	G					YES	S
MON 381.7	G					YES	S
MON 381.8	G					YES	S
MON 381.9	G					YES	S
MON 381.10	G					YES	S
MON 381.11	G					YES	S
MON 381.12	G		MI			YES	S
MON 381.13	G					YES	S
MON 381.14	G					YES	S
MON 381.15	G					YES	S
MON 381.16	G					YES	S
MON 381.17	G					YES	S
MON 381.18	G	R				YES	S
MON 381.19	G	R				YES	S
MON 381.20	G					NO	S
MON 382	G					YES	S
MON 382.1	G					YES	S
MON 382.2	G					YES	S
MON 382.3	G					YES	S
MON 382.4	G					YES	S
MON 382.5	G					YES	S
MON 382.6	G					YES	S
MON 382.7	G					YES	S
MON 382.8	G					YES	S
MON 382.9	G					YES	S
MON 382.10	G					YES	S
MON 382.11	G					YES	S
MON 382.12	G					YES	S
MON 382.13	G					YES	S
MON 382.14	G					YES	S
MON 382.15	G					YES	S
MON 382.16	G					YES	S
MON 382.17	G					YES	S
MON 383	G		MA			YES	S
MON 383.1	G					YES	S
MON 383.2	G					YES	S
MON 383.3	G					YES	S
MON 383.4	G					YES	S
MON 383.5	G					YES	S

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***Highlands N.E. Section
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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 383.6	G					YES	S
MON 383.7	G					YES	S
MON 383.8	G					YES	S
MON 383.9	G					YES	S
MON 383.10	G					YES	S
MON 383.11	G					YES	S
MON 383.12	G					YES	S
MON 383.13	G					YES	S
MON 383.14	G					YES	S
MON 383.15	G					YES	S
MON 383.16	G					YES	S
MON 383.17	G					YES	S
MON 383.18	G					YES	S
MON 383.19	G					YES	S
MON 383.20	G	R				YES	S
MON 383.21	G					YES	S
MON 383.22	G					YES	S
MON 383.23	G					YES	S
MON 383.24	G					YES	S
MON 383.25	G					YES	S
MON 383.26	G		MI			YES	S
MON 383.27	G		MI			YES	S
MON 383.28	G					YES	S
MON 383.29	G					YES	S
MON 383.30	G		MI			YES	S
MON 383.31	G					YES	S
MON 383.32	G					YES	S
MON 383.33	G		MI			YES	S
MON 383.34	G					YES	S
MON 383.35	G					YES	S
MON 383.36	G					YES	S
MON 383.37	G					YES	S
MON 383.38	G					YES	S
MON 383.39	G					YES	S
MON 383.40	G					YES	S
MON 383.41	G					YES	S
MON 383.42	G					YES	S
MON 384	G					NO	S
MON 384.1	G					YES	S
MON 384.2	G					YES	S
MON 384.3	G					YES	S
MON 384.4	G					YES	S
MON 384.5	G					YES	S
MON 384.6	G					YES	S
MON 384.7	G					YES	S

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***Highlands N.E. Section
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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 384.8	G					YES	S
MON 385	G					NO	S
MON 385.1	G					YES	S
MON 385.2	G		MI			YES	S
MON 385.3	G		MI			YES	S
MON 385.4	G					YES	S
MON 385.5	G					YES	S
MON 385.6	G		MI			YES	S
MON 385.7	G					YES	S
MON 385.8	G					YES	S
MON 385.9	G		MI			YES	S
MON 385.10	G					YES	S
MON 385.11	G					YES	S
MON 385.12	G					YES	S
MON 385.13	G		MI			YES	S
MON 385.14	G		MI			YES	S
MON 385.15	G		MI			YES	S
MON 385.16	G					YES	S
MON 385.17	G					YES	S
MON 385.18	G					YES	S
MON 385.19	G					YES	S
MON 385.20	G		MI			YES	S
MON 385.21	G					YES	S
MON 385.22	G					YES	S
MON 385.23	G					YES	S
MON 385.24	G		MI			YES	S
MON 385.25	G		MI			YES	
MON 385.26	G		MI			YES	
MON 385.27	G					YES	
MON 385.28	G					YES	
MON 385.29	G					YES	
MON 385.30	G					YES	
MON 386	G					YES	
MON 386.1	G					YES	
MON 386.2	G					YES	
MON 386.3	G					YES	
MON 386.4	G					YES	
MON 386.5	G					YES	
MON 387	G					YES	
MON 387.1	G					YES	
MON 387.2	G					YES	
MON 387.3	G					YES	
MON 387.4	G					YES	
MON 387.5	G					YES	
MON 387.6	G					YES	

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***Highlands N.E. Section
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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 387.7	G					YES	
MON 387.8	G					YES	
MON 387.9	G					YES	
MON 387.10	G					YES	
MON 387.11	G					YES	
MON 387.12	G					YES	
MON 387.13	G					YES	
MON 387.14	G					YES	
MON 387.15	G					YES	
MON 387.16	G					YES	
MON 387.17	G					YES	
MON 387.18	G					YES	
MON 387.19	G					YES	
MON 387.20	G					YES	
MON 387.21	G					YES	
MON 387.22	G					YES	
MON 387.23	G	R				YES	
MON 387.24	G					YES	
MON 387.25	G					YES	
MON 387.26	G					YES	
MON 387.27	G					YES	
MON 388.1	G					YES	
MON 388.2	G					YES	
MON 388.3	G					YES	
MON 388.4	G					YES	
MON 388.5	G					YES	
MON 388.6	G					YES	
MON 388.7	G					YES	
MON 388.8	G					YES	
MON 388.9	F					YES	
MON 388.10	G					YES	
MON 389	P					YES	
MON 389.1	G					YES	
MON 389.2	G					YES	
MON 389.3	G					YES	
MON 389.4	G					YES	
MON 389.5	G					YES	
MON 389.6	G					YES	
MON 389.7	G		MI			YES	
MON 389.8	G					YES	
MON 389.9	G					YES	
MON 389.10	G					YES	
MON 389.11	G					YES	
MON 389.12	G					YES	
MON 390	G					NO	S

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 390.1	G					YES	S
MON 390.2	G					YES	S
MON 390.3	G	R				YES	S
MON 390.4	G					YES	S
MON 390.5	G		MI			YES	S
MON 390.6	G		MI			YES	S
MON 390.7	G		MI			YES	S
MON 390.8	G					YES	S
MON 390.9	G		MI			YES	S
MON 390.10	G					YES	S
MON 390.11	G		MI			YES	S
MON 390.12	G	R				YES	S
MON 390.13	G	R				YES	S
MON 390.14	G					YES	S
MON 390.15	G					YES	S
MON 390.16	G					YES	S
MON 391	G					NO	
MON 391.1	G					NO	S
MON 391.2	G					NO	S
MON 391.3	G					NO	S
MON 391.4	G					NO	S
MON 391.5	G					NO	S
MON 391.6	G					NO	S
MON 391.7	G					NO	S
MON 392	P					NO	S
MON 392.1	G					NO	S
MON 392.2	G					NO	S
MON 392.3	G					NO	S
MON 392.4	G					NO	S
MON 392.5	G					NO	S
MON 392.6	G					NO	S
MON 392.7	G					NO	S
MON 392.8	G					NO	S
MON 392.9	G					NO	S
MON 392.10	G					NO	S
MON 392.11	G					NO	S
MON 392.12	G					NO	S
MON 392.13	G					NO	S
MON 392.14	G					NO	S
MON 392.15	G					NO	S
MON 392.16	G					NO	S
MON 392.17	G					NO	S
MON 393	G					NO	S
MON 393.1	G					NO	S
MON 393.2	G					NO	S

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***Highlands N.E. Section
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Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 393.3	G					NO	S
MON 393.4	G					NO	S
MON 393.5	G					NO	S
MON 393.6	G					NO	S
MON 393.7	G					NO	S
MON 393.8	G					NO	S
MON 393.9	G					NO	S
MON 393.10	G					NO	S
MON 393.11	G					NO	S
MON 393.12	G					NO	S
MON 393.13	G					NO	S
MON 393.14	G					NO	S
MON 393.15	G					NO	S
MON 393.16	G					NO	S
MON 394	G					NO	
MON 394.1	G					NO	
MON 396	G		MA			YES	
MON 396.14	G					NO	
MON 396.15	G					NO	
MON 396.16	G					NO	S
MON 397	G					NO	S
MON 397.1	G					NO	S
MON 397.2	G					NO	S
MON 397.3	G	R				YES	S
MON 397.4	G					YES	S
MON 397.5	G					YES	S
MON 397.6	G	R				YES	S
MON 397.7	G	R				YES	S
MON 397.8	G					YES	S
MON 397.9	G	R				YES	S
MON 397.10	G					YES	S
MON 397.11	G					YES	S
MON 397.12	G					YES	S
MON 397.13	G					YES	S
MON 398	G					NO	S
MON 398.1	P					YES	S
MON 398.2	G	R				YES	S
MON 398.3	G					YES	S
MON 398.4	G					YES	S
MON 398.5	G	R				YES	S
MON 398.6	G					YES	S
MON 398.7	G	R				YES	S
MON 398.8	G	R				YES	S
MON 398.9	G	R				YES	S
MON 398.10	G	R				YES	S

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 398.11	G	R				YES	S
MON 398.12	G	R				YES	S
MON 398.13	G					YES	S
MON 399	G					YES	
MON 402.1	G					YES	
MON 402.2	G					YES	S
MON 402.3	G					YES	S
MON 402.4	G					YES	S
MON 402.5	G					YES	S
MON 402.6	G					YES	S
MON 402.7	G					YES	S
MON 402.8	G					YES	S
MON 402.9	G					YES	S
MON 402.10	G					YES	S
MON 402.11	G					YES	S
MON 402.12	G					YES	S
MON 402.13	G					YES	S
MON 402.14	G					YES	S
MON 402.15	G	R				YES	S
MON 402.16	G	R				YES	S
MON 403	G		MA			YES	S
MON 403.1	G					YES	S
MON 403.2	G	R				YES	S
MON 403.3	G	R				YES	S
MON 403.4	G	R				YES	S
MON 403.5	G	R				YES	S
MON 403.6	G					YES	S
MON 403.7	G	R				YES	S
MON 403.8	G					YES	S
MON 403.9	G					NO	S
MON 403.10	G	R				YES	S
MON 404	G		MA			YES	
MON 404.1	G					YES	S
MON 404.2	G					YES	S
MON 404.3	G		MI			YES	S
MON 404.4	G	R				YES	S
MON 404.5	G					YES	S
MON 404.6	G					YES	S
MON 404.7	G					YES	S
MON 404.8	G					YES	S
MON 404.9	G					YES	S
MON 404.10	G					YES	S
MON 404.11	G					YES	S
MON 404.12	G					YES	S
MON 404.13	G					YES	S

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 404.14	G					YES	S
MON 404.15	G		MI			YES	S
MON 404.16	G	R				YES	S
MON 404.17	G					YES	S
MON 404.18	G					YES	S
MON 404.19	G					YES	S
MON 404.20	G					YES	S
MON 404.21	G					YES	S
MON 404.22	G	R				YES	S
MON 404.23	G	R				YES	S
MON 404.24	G	R				YES	S
MON 404.25	G					YES	S
MON 404.26	G	R				YES	S
MON 404.27	G					YES	S

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 405	G					YES	S
MON 405.1	G	R				YES	S
MON 405.2	G					YES	S
MON 405.3	G		MI			YES	S
MON 405.4	G					YES	S
MON 405.5	G	R				YES	S
MON 405.6	G	R				YES	S
MON 405.7	G					YES	S
MON 405.8	G	R				YES	S
MON 405.9	G	R				YES	S
MON 405.10	G	R				YES	S
MON 405.11	G					YES	S
MON 405.12	G	R				YES	S
MON 405.13	G					YES	
MON 405.14	G					YES	
MON 405.15	G					YES	
MON 406	G					NO	
MON 406.1	G	R				YES	
MON 406.2	G					YES	
MON 406.3	G	R				YES	
MON 406.4	G	R				YES	
MON 406.5	G					YES	
MON 406.6	G	R				YES	

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 406.7	G					YES	
MON 406.8	G	R				YES	
MON 406.9	G					YES	
MON 406.10	G					YES	
MON 406.11	G					YES	
MON 406.12	G					YES	
MON 406.13	G					YES	
MON 406.14	G					YES	
MON 407	G	R				YES	S
MON 407.1	G					YES	
MON 407.2	G					YES	
MON 407.3	G	R				YES	
MON 407.4	P					YES	
MON 407.5	G	R				YES	S
MON 407.6	G					YES	
MON 407.7	G					YES	
MON 407.8	G					YES	
MON 407.9	G		MI			YES	
MON 408	G					NO	
MON 408.1	G					YES	
MON 408.2	G					YES	
MON 408.3	G					YES	
MON 408.4	G					YES	
MON 408.5	G					YES	
MON 408.6	G					YES	
MON 408.7	G					YES	
MON 408.8	G					YES	
MON 408.9	P					YES	
MON 489.5	G					YES	
MON 489.6	G					YES	
MON 489.7	G					YES	
MON 489.8	G					NO	
MON 489.9	F					NO	
MON 489.10	F					YES	
MON 489.11	G					YES	
MON 489.12	G					YES	
MON 489.13	P					YES	
MON 489.14	G					YES	
MON 489.15	G					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	G					YES	

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 489.22	G					YES	
MON 489.23	G					YES	
MON 490	G					YES	
MON 490.1	G					YES	
MON 490.2	G	R				YES	
MON 490.3	F					YES	
MON 490.4	G		MI			YES	
MON 490.5	G	R				YES	
MON 490.6	G					YES	
MON 490.7	G					YES	
MON 490.8	G					YES	
MON 490.9	G					YES	
MON 490.10	G					YES	
MON 490.11	G					YES	
MON 490.12	G					YES	
MON 490.13	G					YES	
MON 490.14	G					YES	
MON 490.15	G					YES	
MON 490.16	G					YES	
MON 491	P					YES	
MON 491.1	G					YES	
MON 491.2	G					YES	
MON 491.3	G					NO	
MON 491.4	G	R				YES	
MON 491.5	G					YES	
MON 491.6	G					YES	
MON 491.7	G					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	P					YES	
MON 492.1	G					YES	
MON 492.2	G					YES	
MON 492.3	G					YES	
MON 492.4	P					YES	
MON 492.5	G					YES	
MON 492.6	G					YES	
MON 492.7	G					YES	
MON 492.8	G					YES	

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 492.9	G					YES	
MON 492.10	G					NO	
MON 492.11	G	R				YES	S
MON 492.12	G					NO	S
MON 493	P					NO	S
MON 493.1	G					NO	S
MON 493.2	G					NO	S
MON 493.3	G					NO	S
MON 493.4	G					NO	S
MON 493.5	G					NO	S
MON 493.6	G	R				YES	S
MON 493.7	G					NO	S
MON 493.8	G					NO	S
MON 493.9	G					NO	S
MON 493.10	G					NO	S
MON 493.11	G					NO	S
MON 494	P					NO	S
MON 494.1	G					NO	S
MON 494.2	G					NO	S
MON 494.3	G					NO	S
MON 494.4	G					NO	S
MON 494.5	G					NO	S
MON 494.6	G					NO	S
MON 494.7	G					NO	S
MON 494.8	G					NO	S
MON 494.9	G					NO	S
MON 494.10	G					NO	S
MON 494.11	G					NO	S
MON 494.12	G					NO	S
MON 495	G					NO	
MON 495.1	G					NO	
MON 499	P					YES	
MON 500	G	R				YES	
MON 501	G		MI			YES	
MON 502	G		MI			YES	
MON 503	G					YES	
MON 504	G					YES	

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West Line (QC/VT)
(New Hampshire, Vermont/Quebec)

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 518A	G					YES	
MON 519AA	G					YES	
MON 519A	G					YES	
MON 519A2	G					YES	
MON 519A3	G					YES	
MON 519A4	G					YES	
MON 543	G		MI	MP		YES	S
MON 546A	G					NO	
MON 547	G					NO	
MON 548	G					NO	
MON 562	G					YES	
MON 562A	G					YES	
MON 594A	G		MA			YES	
MON 594B	G					YES	
MON 594C	G					YES	
MON 594D	G					YES	
MON 599	P					YES	
MON 599B	G					YES	
MON 600A	G					YES	
MON 603A	G					YES	
MON 604	G		MI			YES	
MON 611-59	G					YES	
MON 611A	G					YES	
MON 612	F					YES	S
MON 613	G					YES	S
MON 614	G					YES	
MON 614A	G					YES	
MON 614B	G					YES	
MON 614C	G					YES	
MON 614D	F					YES	
MON 615	G					YES	
MON 616	G					YES	
MON 621	G					YES	
MON 621AA	G					YES	
MON 621A	G		MA			YES	
MON 624	G					NO	
MON 625	G					YES	
MON 638	G					YES	
MON 638A	G					YES	
MON 640A	G					YES	
MON 640B	G					YES	
MON 641	G					YES	

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 653	G					YES	
MON 660	G					YES	
MON 661	G					YES	
MON 662	G					YES	
MON 699AA	G					YES	
MON 699A	G					YES	
MON 710	G					YES	
MON 711	G					YES	
MON 712	G		MI			YES	
MON 713	G					YES	
MON 713A	G					YES	
MON 714A-2012	G					YES	
MON 715	P					YES	
MON 716	G					YES	
MON 717	G					YES	
MON 718	G		MI			YES	
MON 719	G					YES	
MON 720	G					YES	
MON 721	G					YES	
MON 722	G					YES	
MON 738	G					YES	
MON 739	P					YES	
MON 740	G		MA			YES	
MON 741	G		MA			YES	
MON 742	G					YES	
MON 743	P					NO	
MON 750	G		MA			YES	
MON 751	G		MI			YES	
MON 751A	G					YES	

***49th Parallel (MB/ND)
(North Dakota/Manitoba)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 697	G					YES	S
MON 698	G					YES	S
MON 699	G					YES	S
MON 699A	G					YES	S
MON 700	G					YES	S
MON 700A	G					YES	S
MON 701	G					YES	S
MON 702	G					YES	S

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**49th Parallel (MB/ND)
(North Dakota/Manitoba)**

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 702A	G					YES	S
MON 703	G					YES	S
MON 704	G					YES	S
MON 704A	G					YES	S
MON 705	G					YES	S
MON 706	G					YES	S
MON 706A	G					YES	S
MON 706B	G					YES	S
MON 707	G					YES	S
MON 708	G					YES	S
MON 708A	G					YES	S
MON 709	G					YES	S
MON 710	G					YES	S
MON 710A	G					YES	S
MON 710AB	G					NO	
MON 711	G					YES	S
MON 711A	G					YES	S
MON 711B	G					YES	S
MON 712	G					YES	S
MON 713	G					YES	S
MON 714	G					YES	S
MON 715	G					YES	S
MON 716	G					YES	S
MON 717	G					YES	S
MON 717A	G					YES	S
MON 718	G					YES	S
MON 718A	G					YES	S
MON 719	G					YES	S
MON 720	G					YES	S
MON 781	G					YES	S
MON 781A	G	R		MP		YES	S
MON 782	G					YES	S
MON 783	G					NO	
MON 783A	G					NO	
MON 784	G					NO	
MON 784A	G					NO	
MON 785	G					NO	
MON 786	G					NO	
MON 786A	G					NO	
MON 787	G					YES	S
MON 787A	G					YES	S
MON 788	P					YES	S
MON 788A	G	R		MP		YES	
MON 788B	G	R		MP		YES	
MON 788C	G	R		MP		YES	

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***49th Parallel (MB/ND)
(North Dakota/Manitoba)***

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 789	G					YES	S
MON 789A	G			MP		YES	
MON 790	G					YES	S

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 334	G					NO	
MON 334A	G					NO	
MON 335	G					NO	
MON 336	G					NO	
MON 337	G					NO	
MON 338	G					NO	
MON 338A	G					NO	
MON 339	G					NO	
MON 340	G					NO	
MON 341	G					NO	
MON 581	G					NO	
MON 581A	G					NO	
MON 582	G					NO	
MON 582A	G					NO	
MON 584	G					NO	

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 43	G					YES	
MON 48	G		MI			YES	S
MON 70	F		MI			YES	
MON 72	G					YES	
MON 76	G					YES	
MON 79	G					YES	
MON 90	F					YES	

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 0	G					YES	
MON 1	G					YES	
MON 1A	G			MP		YES	
MON 1B	G					YES	
MON 2	G					YES	
MON 2A-00	G					YES	
MON 2B	G					YES	
MON 3	G			MP		YES	
MON 3AA	G			MP		YES	
MON 3A	G			MP		YES	
MON 3B	G			MP		YES	
MON 4	G			MP		YES	
MON 5	G			MP		YES	
MON 5A	G			MP		YES	
MON 5B	G			MP		YES	
MON 5B1	G			MP		YES	
MON 5D	G			MP		YES	
MON 5G	G					YES	
MON 5X	G					YES	
MON 5D1	G			MP		YES	
MON 5E-2009	G					NO	
MON 5F-92	G					YES	
MON 6	G			MP		YES	
MON 7	G			MP		YES	
MON 7A	G					YES	
MON 8	G					YES	
MON 8A	G					YES	
MON 9	G					YES	
MON 9A	G					YES	
MON 10	G					YES	
MON 11	G					YES	
MON 12	G					YES	
MON 12A	G					YES	
MON 13	G					YES	
MON 13A	G					YES	
MON 14	G					YES	
MON 15	G					YES	
MON 15A	G					YES	
MON 16	G					YES	
MON 17	G					YES	
MON 18	G					YES	
MON 18A	G					YES	
MON 19	G					YES	
MON 19AA	G					YES	
MON 19A	G					YES	

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

Boundary Monument Type & Number	Reconnaissance	Established	Repairs	Painted	Description	Photo	Monument Surveyed
MON 19C	G					YES	
MON 20	G					YES	
MON 20A	G					YES	
MON 20B	G					YES	
MON 21	G					YES	
MON 22	G					YES	
MON 22A	G					YES	
MON 23	G					YES	
MON 23A	G					YES	
MON 24	G					YES	
MON 24A	G					YES	
MON 25	G					YES	
MON 25A	G					YES	
MON 25B	G					YES	
MON 26	G					YES	
MON 27	G					YES	
MON 28	G					YES	
MON 28A	G					YES	
MON 29	G					YES	
MON 29A	G					YES	
MON 30	G					YES	
MON 30AAA	G					YES	
MON 30AA	G					YES	
MON 30A	G					YES	
MON 31AA	G					YES	
MON 31C	G					YES	
MON 32	G					YES	
MON 32A	G					YES	
MON 33	G					YES	
MON 34	G					YES	
MON 35	G					YES	
MON 36	G		MA			YES	S
MON 36A	G					YES	
MON 37	G					YES	
MON 37A	G					YES	
MON 38	G					YES	

APPENDIX B – SUMMARY OF MAINTENANCE AND SURVEY WORK

Passamaquoddy Bay

(Maine/New Brunswick)

Reference Monuments recovered	2
Reference Monuments surveyed	2
Range Marks recovered	45
Range Marks surveyed	43

St. Croix River

(Maine/New Brunswick)

Reference Monuments recovered	3
Reference Monuments surveyed	3

Southwest Branch of the St. John River

(Maine/Quebec, New Brunswick)

Reference Monuments recovered	87
Reference Monuments not recovered	2

Highlands N.E. Section

(Maine/Quebec)

Monuments recovered	766
Monuments repaired or re-established	118
Monuments surveyed	583

Highlands S.W. Section

(Maine, New Hampshire/Quebec)

Monuments recovered	150
Monuments repaired or re-established	26
Monuments surveyed	42

West Line (QC/VT)

(New Hampshire, Vermont/Quebec)

Monuments recovered	42
Monuments repaired or re-established	4
Monuments painted	1
Monuments surveyed	3

West Line (QC/NY)

(New York/Quebec)

Monuments recovered	29
Monuments repaired or re-established	6

49th Parallel (MB/ND)

(North Dakota/Manitoba)

Monuments recovered	56
Monuments repaired or re-established	4
Monuments painted	5
Monuments surveyed	44

49th Parallel (AB-SK-MB/MT- ND)

(Montana, North Dakota/Alberta, Saskatchewan)

Monuments recovered	15
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49th Parallel (Columbia Valley to Similkameen River)

(Washington/British Columbia)

Monuments recovered	7
Monuments repaired or re-established	2
Monuments surveyed	1

49th Parallel (Pacific to Columbia Valley)

(Washington/British Columbia)

Monuments recovered	81
Monuments repaired or re-established	1
Monuments painted	14
Monuments surveyed	1