

# International Boundary Commission, <br> United States and Canada 

# Joint Annual Report 2017 

## Photo de couverture



La photo de couverture montre la vue vers le sud à partir de la borne 9 sur le 141e méridien (Yukon/Alaska). La borne 9 est située environ à 298 km au nord du cercle polaire arctique et 42 km au sud de la mer de Beaufort.

The Honorable Mike Pompeo
The Secretary of State for the United States
Washington, D.C.

## The Honorable Chrystia Freeland Minister of Foreign Affairs Ottawa

Mr. Pompeo, Ms. Freeland:
We have the pleasure of delivering to you the $93^{\text {rd }}$ Joint Annual Report of the International Boundary Commission covering the work of the Commission in calendar year 2017.

The Treaty of Washington, 1925, mandated the Commissioners to maintain the boundary between the United States and Canada through the building, maintaining and moving of boundary monuments and buoys and through keeping the boundary vista clear with the goal of maintaining an effective boundary between our two countries.

We are happy to report that we have met these objectives through series of projects spread across the entire length of the boundary from Passamaquoddy Bay in the east to the shores of the Arctic Ocean in the north. You will find within this report summaries of the projects undertaken and detailed lists of the monuments that were built or maintained.

Respectfully submitted,

Kyle K. Hipsley
Commissioner for the United States

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## TABLE OF CONTENTS

EXECUTIVE SUMMARY ..... 1
INTRODUCTION ..... 3
The Mandate of the Commissioners ..... 3
MAINTENANCE ACTIVITIES ..... 4
Passamaquoddy Bay (NB/ME) - Range Mark Maintenance ..... 5
St. John River (NB/ME) - Reference Monument Maintenance ..... 5
Southwest Branch of the St. John River (QC/ME) - Survey ..... 5
Highlands N.E. Section (QC\ME) - Survey and Inspection ..... 6
Highlands S.W. Section (QC\ME) - Vista Clearing and Inspection ..... 6
West Line (QC/VT) - Monument Maintenance and Inspection ..... 7
Lake Superior to Rainy River (ON/MN) - Reference Monument Maintenance ..... 7
Rainy River and Lake of the Woods (ON/MN) - Reference Monument Maintenance ..... 7
49 ${ }^{\text {th }}$ Parallel (AB-SK-MB/MT- ND) - Vista clearing ..... 8
Southeast Alaska (BC/AK) - Vista Clearing ..... 8
141st Meridian (YK\AK) - Survey ..... 8
Miscellaneous ..... 9
COMMISSIONERS ACTIVITIES ..... 11
Field inspections ..... 11
REGULATORY ITEMS ..... 12
PLANNING FOR 2018 ..... 13
ACCOMPLISHMENTS AGAINST THE 15-YEAR PLAN ..... 14
REPORT ON COMPARABLE EXPENDITURES ..... 15
COMMISSIONERS OF THE IBC ..... 17
OBITUARY ..... 18
CERTIFICATION ..... 19
APPENDIX A - DETAILS OF MAINTENANCE AND SURVEY WORK ..... 21
APPENDIX B - SUMMARY OF MAINTENANCE AND SURVEY WORK ..... 77
APPENDIX C - 15 YEAR PLAN ..... 81
APPENDIX D - PLANS OF MONUMENTS INSTALLED ..... 91

## EXECUTIVE SUMMARY

This is the 93rd Joint Annual Report of the Canadian and United States Commissioners to their respective governments on the state of the Canada/U.S. boundary. The International Boundary Commission (IBC) is a joint U.S./Canada organization with a mandate stretching back to the 1925 Treaty of Washington to maintain an effective boundary line through the maintenance of existing monuments, the positioning of new monuments where required, the clearing of the boundary vistas where appropriate and the surveying, mapping and publishing of accurate geodetic coordinates for the points that define the boundary.

To these ends, this year the IBC undertook projects that improved the visibility of the boundary on Passamaquoddy Bay, brought more of the Commission's official digital definition of the boundary into line with today's GPS technology both along the Alaska/Yukon boundary and in the highlands between Quebec and Maine/Vermont, cleared overgrown sections of the boundary of brush between Alberta and Montana and repaired or rebuilt existing ones in the Lake of the Woods/Boundary Waters section. The IBC also responded to specific requests from stakeholders for clearing short sections of the vista and improving marking at specific locations.

The IBC structures its maintenance work through a 15-year plan. That plan was updated this year to take into account new technologies and new requirements while still respecting the realities of the hard work of brush clearing, the construction of monuments in hard to reach places and the requirement for up-todate maps and data that make the exact location of the boundary easily accessible to all. The IBC has an ongoing consultation with stakeholders to ensure our work supports the requirements of those with an interest in the boundary.

The work of the Commission is shared equally by the U.S. and Canadian sections of the IBC. The two sections share a common web site, a common Geographic Information System (GIS) and jointly produce data sets, maps and reports.

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

International Boundary Commission
Joint Annual Report 2017

## 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 which 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 in every calendar year, a joint report containing a statement of the inspections made, the monuments and buoys repaired, relocated, rebuilt, moved, and established and the mileage and location of vistas opened. The report is to contain plats and tables certified and signed by the Commissioners, giving the locations and geodetic positions of all monuments moved and all additional monuments established within the year, and such other information as may be necessary to keep the boundary maps and records accurately revised.

This is the 93rd Joint Annual Report from the Commissioners to their respective Governments on the state of the Canada / US boundary.

## MAINTENANCE ACTIVITIES

The 2017 field season began in May end ended in October. The Commission conducted projects in support of its 15 Year Maintenance Plan as well projects that advanced its goal of upgrading the geodetic coordinates that define the boundary.

To ensure efficient and orderly management of boundary maintenance activities, the boundary is split into 8 sections and 30 sub sections corresponding to areas with homogeneous characteristics. Projects are presented by sub sections and activity from East, to West, to North. A description of sub sections can be found on the IBC website ${ }^{1}$.


[^0]$\qquad$

## Passamaquoddy Bay (NB/ME) - Range Mark Maintenance



The Passamaquoddy Bay section of the international boundary is delimited by turning points tied to a series of Range Marks. These are large, brightly painted monuments on shore that come in pairs. This year's contract was to clear the bush in front of the markers and to repaint the markers to ensure that they were easily visible from the water. An inspection after the work was completed showed this section of the boundary to be in very good condition.

Figure 1: A Range Mark on
Passamaquoddy Bay

## St. John River (NB/ME) - Reference Monument Maintenance

This project continues the work done last year along the St. Francis River. This year the Reference Monuments along the St. John River were located, painted and repaired. When repairs were required the crew used traditional survey methods to ensure the Reference Monuments were rebuilt in their original locations thus ensuring the integrity of the boundary which runs down the St. John River.


Figure 2: Cleaning and painting a Reference Monument

## Southwest Branch of the St. John River (QC/ME) - Survey



Figure 3 - Reference monument 63-00 as found during the survey

This project completes the resurveying and spatial reference update of the Southwest Branch of the St. John River. In this project, the final three Reference Monuments that define this section of the boundary were geolocated with a high precision GPS survey and tied into the NAD83 datum. These three monuments had either been destroyed and subsequently replaced, or there was insufficient survey information collected previously to determine their coordinates on the NAD83 datum.

## Highlands N.E. Section (QC\ME) - Survey and Inspection

This is one of a series of GPS and conventional survey projects that, when completed, will support further boundary monuments maintenance and produce a high accuracy coordinate definition on the NAD83 datum for this section. For surveying purposes, the section has been broken down into 95 separate traverses, all of which have been surveyed by conventional and/or GPS methods. The goal of this project was to improve the monument position accuracy to up to $1: 100,000$ (less than 1 cm error in 1 km of measurement) when analyzed; the new observations are much more accurate and well within modern standards. Survey work will continue in this section next field season.

While in the area, the crews also monitored the progress of a nearby vista clearing contract that took place over the summer. In addition, the crews inspected other nearby monuments to determine what maintenance, repair and replacement work will be required in the future.

## Highlands S.W. Section (QC\ME) - Vista Clearing and Inspection



Figure 5 - View of the vista after clearing operations.
69.3 km ( 43.4 miles) of vista between monuments 405 and 452 were cleared by contract. During the inspection of the work, the IBC inspected 73 monuments. The ongoing efforts over the last years have led to a well-defined open vista from the beginning to the end of this difficult section. Vista clearing work will continue on this section in 2018.

## West Line (QC/VT) - Monument Maintenance and Inspection

Starting in mid-May a crew of two IBC employees inspected, painted, and where necessary conducted local surveys for the 243 monuments that mark the eastern half of the West Line section of the boundary (Monuments 518 to 631). 84\% of these monuments were found to be in fair to good condition. Subsequent to the initial inspection tour, a larger crew retraced their steps with the materials and machines required to repair five existing monuments and install two new monuments that were required to mark the boundary in an area adjacent to a popular snow machine trail.


Figure 7 - Monument 545 after restoration

There are 22 Ports of Entry (POE) along the West Line and lots of human activity on both sides of the boundary in this area. This has resulted in increased requests for local vista clearing and better demarcation of the boundary at specific sites. The IBC expects this increased interest and demand to continue for the foreseeable future.

## Lake Superior to Rainy River (ON/MN) - Reference Monument Maintenance



Figure 8 - Repairing RM 518

One crew under one project leader spent the field season inspecting and repairing Reference Monuments in the Lake Superior to Rainy River section. The majority of this section of the boundary must be accessed by boat, or in many areas, by canoe as the boundary passes through 32 lakes and an equal number of connecting rivers, until it reaches the Rainy River. The crews were able to inspect and repair approximately 150 of them in the one field season. In addition, 8 new reference monuments were built to replace out of position monuments and will be surveyed at a later date.

## Rainy River and Lake of the Woods (ON/MN) - Reference Monument Maintenance

Another team inspected and repaired Reference Monuments in this section. The region presents the same logistical challenges as the previous section because it is a water boundary running through the Rainy River and Lake of the Woods. 53 monuments were refurbished.


Figure 9 - Restoration of RM 17

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



This has been a traditionally difficult section of the boundary to access for vista clearing. An opportunity arose this year and an IBC crew was diverted from their planned survey project in the area to instead clear what had become mature growth on the vista. Specialized equipment was used to clear the growth and the boundary in this section is now in good condition.

Figure 10 - View of the vista after clearing operations

## Southeast Alaska (BC/AK) - Vista Clearing

Also known as the Alaska Panhandle, this is one of the most rugged sections of the boundary. The boundary itself runs along the crest of the Boundary Range of the Cascade Mountains. Bad weather in S.E. Alaska brought this project to a virtual halt. Only $10 \%$ of the vista was cleared this year. This project will roll over into 2018 and the clearing will continue.


Figure 11 - View of the vista in Southeast Alaska

## 141st Meridian (YK\AK) - Survey



Figure 12 - Helicopter was the workhorse for carrying equipment and personel

This is the last in a series of projects to resurvey the 141st Meridian section of the boundary. The results of these surveys will be analyzed and adjusted to produce a new coordinate definition of the boundary on the modern NAD83 datum.

This particular project extended from the shore of the Arctic Ocean at Monument 0 to Monument $80,400 \mathrm{~km}$ ( 250 miles) inland. In that distance the boundary covers coastal plains, high plateaus, mountain ranges, permafrost and, this year, several active forest fires. There are few roads in this area and all transportation to the boundary was by helicopter. This precluded any monument maintenance beyond applying a coat of paint to the monuments.

## Miscellaneous

In addition to regular maintenance activities, several special requests were dealt with to address specific stakeholders' needs:

## North Line (NB/ME) - Monument maintenance

With the objective of improving visibility of the boundary at port of entries, monuments in the vicinity of the Houlton/Woodstock port of entry were inspected and re-furbished. A total of four (4) monuments were cleaned and painted. Upon request of US Border Patrol, a short portion of the vista was cleared of overhanging branches though it had not been too long ago the area had been cut.


## Halls Stream (QC\NH) - Inspection

In 2007 and 2008, the IBC launched two prototype projects to monument what were formerly mid-stream Turning Points (TP) defining the international boundary along Halls Stream and the St. Francis River. Many of the mid-stream turning points along Halls Stream are now located on dry land due to the meandering of Halls Stream over the years. While the northern portion of Halls Stream runs over bedrock and its course is relatively stable, the southern portion of Halls Stream runs over alluvial soil and its course can change radically from year-to-year and over the course of decades. In some cases the TPs are now located in the middle of farmers' fields. Without some form of demarcation, the location of the international
 boundary would be virtually impossible to discern.

This year's monument inspection project was undertaken to document the results of this demarcation 10 years after the monuments were installed. Several of the installed monuments fell victim to further meandering of the stream (see photo above) and others were buried under several feet of gravel and were ineffective in marking the boundary. The Commissioners are currently debating best way to effectively demarcate this type of boundary section.

## Clearing of West Line (VT/QC) at Request of DHS

The Department of Homeland Security contacted the IBC to request that a 10.2 mile stretch of the boundary near Stanhope and Ste-Armand Q.C. be cleared. The U.S. section of the IBC let a contract for the completion of the work.

## Rebuilding Monument 78 on the 49th Parallel (Manning Park BC)

Monument 78 on the 49th parallel had been reported by a Forestry Department employee as being in poor condition. A crew from the US section rebuilt the monument on its existing base. This monument is at the head of a popular hiking trail and seems to be a popular destination and camping site.


## Moving Monument 216C at Kingsgate/ Eastport POE

The supervisor at the POE requested that Monument 216C be moved from its current location to somewhere out of the line of traffic. The crew removed the current monument and created a new base some distance away where there is no traffic but the monument is still highly visible. A new monument will be installed on the base in the near future.


## Survey of Hydro Poles in the Fraser River Valley

As part of the IBC's mandate to maintain a clear vista along the Canada/U.S. boundary, we have been in contact with B.C. Hydro since the 1960s regarding a line of hydro poles along 0 Avenue in the Fraser valley. While the poles do not interfere with IBC clearing operations in the area, the poles do increase the cost and complexity of maintaining the boundary in this area. We have a long term understanding with B.C. Hydro that these poles will be
 moved away from the vista as normal maintenance and upgrade activities take place. This survey was done in support of these efforts and will serve as the basis of further discussions with B.C. Hydro.

## COMMISSIONERS ACTIVITIES

## Field inspections

The Commissioners conducted one field inspection this year; Commissioner Gagnon and Deputy Commissioners Moore and Fortin visited the Halls Stream section of the boundary. Several difficulties with the current system of marking this section of the boundary were identified. Some monuments had been toppled by the meandering of the stream, others buried under gravel, and even in areas where the monuments remained, it can be difficult to discern the line of the boundary between monuments because the order of the monuments is not clear when standing amongst them.

Given the increasing interest in border related issues and the more frequent questions and concerns being raised by local landowners and other stakeholders, the Commissioners are considering the options for the demarcation of the boundary in these challenging areas.

## Commissioners meetings

The Commissioners met twice in 2017, first on April 19 in Washington and again on November 28 in Ottawa. Jean Gagnon attended his first meeting as the Canadian Commissioner following the retirement of Peter Sullivan.

The Commissioners addressed several topics during their meetings:

## 15 Year Plan

The Commissioners approved a new 15 year plan for the work of the IBC. Within the framework of this new plan, the Commissioners reviewed the work of 2016 and approved a work plan for 2018.

## Maintaining an Effective Boundary Line

In line with their mandate, the Commissioners discussed how best to maintain an effective boundary line. In particular, the Halls Stream and Fraser River Valley sections of the boundary have raised issues that the Commission is studying.

## Plats and Tables of Geodetic Positions of the boundary

The Commissioners also reviewed the progress of projects to survey and map the boundary on the NAD83 epoch 2010 datum. Two Sections of the boundary have completely updated and approved geographic coordinates and Special Reports and new boundary maps are in final preparation for the Commissioners signature. Several Sections have data that is currently under review and others are at the technical review stage of approval.

All of the data has been stored in the IBC's GIS system and preliminary maps have been created for the entire boundary. As the positional data is collected processed and approved, the GIS will greatly accelerate the production of reports and maps ensuring the IBC can meet the needs of its stakeholders.

## REGULATORY ITEMS

The Commission monitors the construction of all works within 10 feet ( 3 metres) of the boundary. Thus, all construction-whether a ditch, a building, a surface or underground structure (telephone, cable, electrical line or gas pipeline), line of communication, or other-must first be authorized by the Commission. In 2017, the commissioners dealt with the following issues:

1. Replacement of an existing overhead single phase power line by underground three phase power line between Newgate, British Columbia and Lincoln County, Montana;
2. Truss bridge rehabilitation on Chemin de la vallée Missisquoi, Québec, and Glen Sutton Road, Vermont;
3. Installation of buried communication cables along the Quebec/Vermont boundary;
4. Installation of a fiber optic cable across the boundary between Ridgeville, Manitoba and Orleans, Minnesota;
5. Emerson port of entry redevelopment.

## PLANNING FOR 2018

The Commissioners have developed a plan for the 2018 season that takes into account the requirements of the 15 year plan and their commitment to the Commissions other initiatives. Under this plan:

The Canadian Section will undertake the following projects:

1. South and Southwest Lines: Vista Clearing by contract
2. Highlands N.E. Section: Monument Maintenance
3. Highlands S.W. Section: Vista Clearing by contract
4. West Line: Vista Clearing (ground treatment only)
5. West Line: Range Mark Preparation (Reconnaissance, Stakeholder consultation, Project Planning)
6. West Line: Boundary Monument Maintenance
7. Lake Ontario and Niagara River: Rebuild a Reference Monument
8. St. Lawrence River: Reference Monument Maintenance (dependent on funding)
9. Halls Stream: Reference Monument Densification Analysis and Construction

The U.S. Section will undertake:

1. North Line (NB/ME) - Vista Clearing; approximately 35 miles from Mon 49 to Mon 117-77
2. Saint John River (NB/ME) - Reference Monument maintenance (cont. from 2017)
3. St. Francis River (NB/ME) - Vista Clearing and maintenance
4. 49th Parallel ( $\mathrm{MB} / \mathrm{MN}$ ) - Inspection, maintenance \& Survey
5. 49th Parallel (AB-SK-MB/MT-ND) - Inspection, maintenance \& Survey
6. 49th Parallel (Pacific to Columbia Valley) - Water boundary Maintenance Contract (Boundary Bay)
7. Southeast Alaska - Vista clearing (4-5 valleys).

## ACCOMPLISHMENTS AGAINST THE 15-YEAR PLAN

The IBC conducts its operations within the framework of its 15 Year Plan that can be found in Appendix C. The plan itself represents the knowledge and experience of past Commissioners regarding what types of maintenance each section of the boundary requires and how often each section needs to be revisited in order to meet their mandate of maintaining an effective boundary line. Some sections require attention every three years, others only once every fifteen.

The IBC met the majority of the requirements of the 15 year plan in 2017. Three projects were deferred to a later date; two so that the IBC crews assigned to them could be used to meet an opportunity for vista clearing that arose and the third due to a lack of trained resources. The plans for 2018 are built on the 15 year plan for that year. As with any undertaking of this magnitude, there are variations from the plan. Heavy rain in S.E. Alaska prevented the clearing of the vista in that area in 2017 but the work will continue in 2018. We had planned to do some GPS surveys on the $49^{\text {th }}$ parallel but an opportunity arose for the clearing of the vista in a long neglected nearby section of the boundary so crews were reassigned. This year we received requests to move a monument that was in the path of truck traffic, repair a monument along a well-travelled hiking trail and clear short sections of vista near some Ports of Entry. We responded positively to each of these requests.

In addition to the boundary maintenance work contained in the 15 Year Plan, the IBC has several other related initiatives underway to fulfill the mandates given to the Commissioners. The survey projects undertaken by the IBC are in support of developing a highly accurate digital definition of the boundary on a modern datum that will meet the needs of government agencies, mappers and planners, navigators and the general public. The data will be stored in the IBC's GIS system which will be used to create new maps and data sets showing the boundary. And to an ever larger extent, the IBC web site is being driven from the GIS so that users will have the most recent and up-to-date information available.

## REPORT ON COMPARABLE EXPENDITURES

This report shows the total amount spent by both sections of the Commission as at March 31, 2015, 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 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. Although the cumulative total shows a lag in terms of the expenditures of the U.S. Section, this gap is not a concern, as the U.S. Section's budget currently exceeds the Canadian budget. This is expected to continue, so that the U.S. Section should catch up and close the gap within three or four years.

Given that each country's fiscal year spans two calendar years, the divisible expenditure report does not always reflect all costs associated with current year projects and shows some costs associated with the previous year's projects.

Expenditures are shown in each country's respective currency.

## Excerpt of Comparable Expenditures to March 31, 2017

|  | Expended By <br> US Section <br> (USD) | Expended By <br> Canadian Section <br> (CAD) |
| :--- | :---: | :---: |
| Total to March 31, 2016 | $22,629,047.70$ | $\mathbf{2 4 , 9 4 1 , 1 0 8 . 0 8} \$$ |

## From April 1, 2016 to March 31, 2017

Highlands N.E. Section (QC/ME) - Vista Clearing contract
from monuments 314 to 405 ( $125.2 \mathrm{~km} / 77.8 \mathrm{mi}$ )
Highlands N.E Section (QC/ME) - Inspection \& maintenance
from monuments 314 to 405 ( $125.2 \mathrm{~km} / 77.8 \mathrm{mi}$ )
West Line (QC/NY) - maintenance from monuments 5 to 26 ( $27 \mathrm{~km} / 16.8 \mathrm{mi}$ )
129,724.00 \$

137,344.02 \$
49th Parallel (Columbia Valley to Similkaneen River) (BC/WA) - maintenance
from monuments 43 to 73 ( $78.7 \mathrm{~km} / 48.9 \mathrm{mi}$ ) 282,739.10 \$
Halls Stream (QC/NH) - Survey from monuments TP147 to TP767 (33 km/20.5 mi)
12,871.45 \$
St. Francis River (QC-NB/ME) - Survey from monuments TP227 to TP374 (32.7 km/20.3 mi) 10,624.19 \$

49th Parallel - Columbia Valley to Similkameen River (BC/WA) vista clearing contract ( $37.0 \mathrm{mi} / 59.5 \mathrm{~km}$ completed remaining $60 \%$
from Mon 72 to Mon 88) IBC 01-15-63.4 mi / 102.0 km Mon 72 to Mon 111A 198,790.80 \$
St. Francis River (ME/QC-NB) - Establish Line Marks from TP 356 to TP 716
102,570.97 \$
St Croix River (ME/NB) Mon 1 to TP 1089 Reference Monument Recovery
Lake of the Woods to Lake Superior - Reference Monument Recovery TP 1 to TP 1797
49th Parallel (MT/BC) - Monument Recovery and Maintenance from Mon 329 to Mon 336
Southeast AK (AK/BC) - GPS Surveys from Mon 9 to Mon 46
49,361.13 \$
177,565.69 \$
19,621.56 \$
101,338.90 \$
141st Meridian (AK/YK) - GPS surveys from Mon 139 to Mon 191A 392,974.09 \$
SE Alaska (AK/BC) - Vista Clearing Contract from Mon 1 to Mon 24
(Zones 1 and 2 completed $=10.3 \mathrm{mi}) \quad$ 107,385.23 \$
49th Parallel - Lake Osoyoos (MT/BC) - Glacier Park Clearing Zone 5 Mon 273 to Mon 274 25,793.75 \$
49th Parallel - Lake Osoyoos (MT/BC) - Range Tow er Installation 76,160.41 \$
Other Expenditures
$6 \times 6$ ATV (2) 38,710.00 \$
Trimble GPS Receiver $\quad 18,487.50$ \$
Joint Annual Report

|  | 1,278.00 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Sub-total for 2016-17 | 1,251,562.53 | \$ | 753,787.08 | \$ |
| Total as of March 31, 2017 | 23,880,610.23 | \$ | 25,694,895.16 | \$ |

## 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 $\quad 1917$ - 1924
John D. Craig $\quad 1925-1931$
Noel J. Ogilvie $\quad 1931-1947$
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-


## OBITUARY

## CLYDE R. MOORE

Deputy Commissioner, Retired
1939-2018

With deep regrets, the IBC reports that Clyde R. Moore, former Deputy Commissioner, U.S. Section, passed away March 6, 2017 at the age of 79.

Clyde began his career with the IBC on June 14, 1971 and served 30 years with the IBC until his retirement on May 31, 2001. During his career with the IBC he held a number of positions, first as a Field Engineer followed by a long tenure as Deputy Commissioner, and on occasion served as acting Commissioner.

Before moving to the IBC, he worked many years with the USC\&GS. He traveled extensively throughout the United States and its possessions while working on triangulation field parties.

During his tenure as Deputy Commissioner, Clyde made a very significant change to the structure of the IBC. He established IBC field offices in Maine, Minnesota and Montana, opening the first field office in Houlton, Maine in 1986. This allowed our field officers to become more familiar with the boundary in their respective areas, which in turn made our field crews more efficient. It also allowed us to enhance our relationships with our stakeholders such as U.S. and Canadian customs agencies, Border Patrol, Royal Canadian Mounted Police as well as local property owners, which all translates into a more "effective" boundary.

Clyde was highly respected not only by his staff and the Canadian section of the IBC, but by his colleagues throughout the surveying community.

After his retirement he continued his relationship with the staff visiting the office frequently throughout the years. The IBC continued to benefit from his knowledge of the boundary by contracting him to work on a number of small projects. He was always willing to share his knowledge with the entire staff.

It's impossible to write in a few paragraphs what Clyde meant to the IBC. He created an atmosphere of family within the staff and led by example, with hard work and dedication, expecting the same from all of us. I believe the following quote best describes Mr. Moore:
"If your actions inspire others to dream more, learn more, do more, and become more, you are a leader." -- John Quincy Adams

Deputy Commissioner, "Clyde" R. Moore will be missed and will forever be in our thoughts.

## CERTIFICATION

We certify that the foregoing is a true record of the work done by the Commissioners during the year ending December 31, 2017 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


International Boundary Commission
Joint Annual Report 2017

## APPENDIX A - DETAILS OF MAINTENANCE AND SURVEY WORK

International Boundary Commission
Joint Annual Report 2017

## International Boundary Commission <br> Joint Annual Report 2017

## 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) |
| Repairs: | NM | New Monument constructed (in new location) |
|  | R | Renewed (in same location) |
| Painted: | MI | Minor repairs to base (cracks patched, plumbed, dirt packed at base, etc) |
| Description: | MA | Major repairs (new marker installed, base partially replaced or recapped) |
| Photo: | MP | Monument Painted |
| Monument Surveyed: | DU | Description Updated |
|  | ND | New Description (newly established monuments only) |

Passamaquoddy Bay
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RG M 1 | G |  |  |  |  | NO |  |
| RG M 2 | G |  |  |  |  | NO |  |
| RG M 4 | G |  |  |  |  | NO |  |
| RG M 3 | G |  |  |  |  | NO |  |
| RG M 5 | G |  |  |  |  | NO |  |
| RG M 6 | G |  |  |  |  | NO |  |
| RG M 11 | G |  |  |  |  | NO |  |
| RG M 18 | G |  |  |  |  | NO |  |
| RG M 9 | G |  |  |  |  | NO |  |
| RG M 10 | G |  |  |  |  | NO |  |
| RG M 7 | G |  |  |  |  | NO |  |
| RG M 17 | G |  |  |  |  | NO |  |
| RG M 13 | G |  |  |  |  | NO |  |
| RG M 14 | G |  |  |  |  | NO |  |
| RG M 8 | G |  |  |  |  | NO |  |
| RG M 15 | G |  |  |  |  | NO |  |
| RG M 12 | G |  |  |  |  | NO |  |
| RG M 16 | G |  |  |  |  | NO |  |
| RG M 30 | G |  |  |  |  | NO |  |
| RG M 19 | G |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017

## Passamaquoddy Bay

## (New Brunswick/Maine)

| Boundary Monument <br> Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RG M 20 | G |  |  |  |  | NO |  |
| RG M 29 | G |  |  |  |  | NO |  |
| RG M 22 | G |  |  |  |  | NO |  |
| RG M 21 | G |  |  |  |  | NO |  |
| RG M 32 | G |  |  |  |  | NO |  |
| RG M 31 | G |  |  |  |  | NO |  |
| RG M 24 | G |  |  |  |  | NO |  |
| RG M 23 | G |  |  |  |  | NO |  |
| RG M 25 | G |  |  |  |  | NO |  |
| RG M 26 | G |  |  |  |  | NO |  |
| RG M 28 | G |  |  |  |  | NO |  |
| RG M 27 | G |  |  |  |  | NO |  |
| RG M 36 | G |  |  |  |  | NO |  |
| RG M 33 | G |  |  |  |  | NO |  |
| RG M 34 | G |  |  |  |  | NO |  |
| RG M 34 | G |  |  |  |  | NO |  |
| RG M 35 | G |  |  |  |  | NO |  |
| RG M 37 | G |  |  |  |  | NO |  |
| RG M 38 | G |  |  |  |  | NO |  |
| RG M 46 | G |  |  |  |  | NO |  |
| RG M 40 | G |  |  |  |  | NO |  |
| RG M 39=GUNNER | G |  |  |  |  | NO |  |
| RG M 45 | G |  |  |  |  | NO |  |
| RG M 44 | G |  |  |  |  | NO |  |
| RG M 43 | G |  |  |  |  | NO |  |
| RG M 41 | G |  |  |  |  | NO |  |
| RG M 42 | G |  |  |  |  | NO |  |
| RG M 48 | G |  |  |  |  | NO |  |
| RG M 47 | G |  |  |  |  | NO |  |

North Line
(New Brunswick/Maine)

| Boundary Monument <br> Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 19A1 | G |  |  | MP |  | YES |  |
| MON 19A2 | G |  |  | MP |  | YES |  |
| MON 19A3 | G |  |  | MP |  | YES |  |
| MON 19A4 | G |  |  | MP |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM S-18-40 | D |  |  |  |  | NO |  |
| RM S-23A | D |  |  |  |  | NO |  |
| RM S-23-52 | D |  |  |  |  | NO |  |
| RM S-25-52 | D |  |  |  |  | NO |  |
| RM S-26-52 | D |  |  |  |  | NO |  |
| RM S-29-52 | D |  |  |  |  | NO |  |
| RM S-31-52 | D |  |  |  |  | NO |  |
| RM C70-75 | G |  |  | MP |  | YES |  |
| RM C70A-76 | G |  |  | MP |  | YES |  |
| RM S-70-51 | D |  |  |  |  | NO |  |
| RM 141-51 | D |  |  |  |  | NO |  |
| RM 142-51 | D |  |  |  |  | NO |  |
| RM S2A-72 | G |  |  | MP |  | YES |  |
| RM S2 | G |  |  | MP |  | YES |  |
| RM S3 | P |  |  |  |  | YES |  |
| RM S4-72 | D |  |  |  |  | NO |  |
| RM S-4A | D |  |  |  |  | NO |  |
| RM S4 | P |  |  |  |  | YES |  |
| RM S5 | D |  |  |  |  | NO |  |
| RM S-5-72 | G |  |  | MP |  | YES |  |
| SITE RM S6 | D |  |  |  |  | NO |  |
| RM S-6A-72 | D |  |  |  |  | NO |  |
| SITE RM S7 | D |  |  |  |  | NO |  |
| RM S-7-52 | D |  |  |  |  | NO |  |
| RM S7-72 | NR |  |  |  |  | NO |  |
| RM S-8-52 | P |  |  |  |  | YES |  |
| RM S8B-72 | G |  |  | MP |  | YES |  |
| RM S-8A | D |  |  |  |  | NO |  |
| RM S-9A | D |  |  |  |  | NO |  |
| SITE RM S9 | G |  |  | MP |  | YES |  |
| RM S-10-52 | D |  |  |  |  | YES |  |
| SITE RM S10 | D |  |  |  |  | NO |  |
| RM S11-72 | G |  |  |  |  | YES |  |
| RM S11 | P |  |  |  |  | YES |  |
| SITE RM S12 | D |  |  |  |  | NO |  |
| RM S12-72 | G |  |  | MP |  | YES |  |
| RM S13-72 | G |  |  | MP |  | YES |  |
| RM S-13-31 | D |  |  |  |  | NO |  |
| SITE RM S13 | D |  |  |  |  | NO |  |
| RM S14 | D |  |  |  |  | NO |  |
| RM S-14-57 | G |  |  | MP |  | YES |  |
| RM S15-72 | G |  |  | MP |  | YES |  |
| RM C14 | D |  |  |  |  | NO |  |
| RM S-15-52 | D |  |  |  |  | NO |  |
| SITE RM S15 | D |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM C15 | G |  |  | MP |  | YES |  |
| SITE RM S16 | D |  |  |  |  | NO |  |
| RM S16-40 | P |  |  |  |  | YES |  |
| SITE RM C16 | D |  |  |  |  | NO |  |
| RM S17 | F |  |  | MP |  | YES |  |
| RM S18-72 | G |  |  | MP |  | YES |  |
| RM C-17A | P |  |  |  |  | YES |  |
| SITE RM S18 | D |  |  |  |  | NO |  |
| RM C18-72 | G |  |  | MP |  | YES |  |
| RM S19-52 | D |  |  |  |  | NO |  |
| SITE RM S19 | D |  |  |  |  | NO |  |
| SITE RM C18 | D |  |  |  |  | NO |  |
| RM S20-72 | G |  |  | MP |  | YES |  |
| RM C18A-72 | D |  |  |  |  | NO |  |
| RM C19-72 | D |  |  |  |  | NO |  |
| RM C-19-52 | D |  |  |  |  | NO |  |
| SITE RM C19 | D |  |  |  |  | NO |  |
| RM S20 | D |  |  |  |  | NO |  |
| RM C20-72 | D |  |  |  |  | NO |  |
| SITE RM C20 | D |  |  |  |  | NO |  |
| RM S21 | P |  |  |  |  | YES |  |
| RM C21-72 | P |  |  |  |  | YES |  |
| RM S22 | D |  |  |  |  | NO |  |
| SITE RM C21 | D |  |  |  |  | NO |  |
| RM S23A-59 | G |  |  | MP |  | YES |  |
| RM S23A-59 | D |  |  |  |  | NO |  |
| SITE RM S23 | D |  |  |  |  | NO |  |
| RM C23-72 | D |  |  |  |  | YES |  |
| RM C-23-52 | D |  |  |  |  | NO |  |
| RM S24A-72 | G |  |  | MP |  | YES |  |
| SITE RM C23 | D |  |  |  |  | NO |  |
| RM S24 | G |  |  | MP |  | YES |  |
| RM S25-73 | NR |  |  |  |  | NO |  |
| SITE RM S25 | D |  |  |  |  | NO |  |
| RM S26-73 | G |  |  | MP |  | YES |  |
| SITE RM S26 | D |  |  |  |  | NO |  |
| RM C25-52 | D |  |  |  |  | YES |  |
| RM S27-52 | D |  |  |  |  | NO |  |
| RM S27 | P |  |  |  |  | YES |  |
| SITE RM C25 | D |  |  |  |  | NO |  |
| RM C26-73 | D |  |  |  |  | NO |  |
| RM C-26-52 | D |  |  |  |  | NO |  |
| SITE RM C26 | D |  |  |  |  | NO |  |
| RM S28 | D |  |  |  |  | NO |  |
| RM C-27-54 | D |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SITE RM C27 | D |  |  |  |  | NO |  |
| RM C27-73 | G |  |  | MP |  | YES |  |
| RM S29A-52 | G |  |  | MP |  | YES |  |
| RM S29 | D |  |  |  |  | NO |  |
| RM S30-52 | P |  |  |  |  | YES |  |
| SITE RM S30 | D |  |  |  |  | NO |  |
| RM C29-52 | D |  |  |  |  | NO |  |
| RM S31-73 | D |  |  |  |  | YES |  |
| SITE RM S31 | D |  |  |  |  | NO |  |
| RM C31-73 | G |  |  | MP |  | YES |  |
| RM C-31-52 | D |  |  |  |  | NO |  |
| SITE RM C31 | D |  |  |  |  | NO |  |
| RM C32 | D |  |  |  |  | NO |  |
| SITE RM C33 | D |  |  |  |  | NO |  |
| RM C-33-40 | G |  |  | MP |  | YES |  |
| RM C33-73 | D |  |  |  |  | NO |  |
| RM C34 | NR |  |  |  |  | NO |  |
| RM C-35-52 | D |  |  |  |  | NO |  |
| RM C35-73 | G |  |  | MP |  | YES |  |
| SITE RM C35 | D |  |  |  |  | NO |  |
| SITE RM C36 | D |  |  |  |  | NO |  |
| RM C-36-52 | P |  |  | MP |  | YES |  |
| RM C36-75 | G |  |  | MP |  | YES |  |
| RM C37-73 | G |  |  | MP |  | YES |  |
| SITE RM C37 | D |  |  |  |  | NO |  |
| RM C-37-51 | D |  |  |  |  | NO |  |
| SITE RM C38 | D |  |  |  |  | NO |  |
| RM C-38-51 | G |  |  | MP |  | YES |  |
| RM C-39A-73 | NR |  |  |  |  | NO |  |
| RM C39A-75 | G |  |  | MP |  | YES |  |
| RM C39 | D |  |  |  |  | YES |  |
| RM C40-75 | G |  |  | MP |  | YES |  |
| SITE RM C41 | D |  |  |  |  | NO |  |
| RM C41-51 | D |  |  |  |  | YES |  |
| RM C42-75 | G |  |  | MP |  | YES |  |
| SITE RM C42 | D |  |  |  |  | NO |  |
| RM C-42-52 | D |  |  |  |  | NO |  |
| RM C43-75 | G |  |  | MP |  | YES |  |
| SITE RM C43 | D |  |  |  |  | NO |  |
| RM S-46A | F |  |  | MP |  | YES |  |
| SITE RM S46 | D |  |  |  |  | NO |  |
| RM S46-75 | G |  |  | MP |  | YES |  |
| RM C44A-75 | G |  |  | MP |  | YES |  |
| RM C44 | P |  |  |  |  | YES |  |
| RM C44B-75 | D |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM C-45-52 | D |  |  |  |  | NO |  |
| SITE RM C45 | D |  |  |  |  | NO |  |
| RM C45A-75 | G |  |  | MP |  | YES |  |
| RM S47 | P |  |  |  |  | YES |  |
| RM S-47-51 | G |  |  | MP |  | YES |  |
| RM S48 | G |  |  | MP |  | YES |  |
| RM C46 | NR |  |  |  |  | NO |  |
| SITE RM S49 | D |  |  |  |  | NO |  |
| RM S49-54 | G |  |  | MP |  | YES |  |
| RM C47 | P |  |  |  |  | YES |  |
| RM C48A-75 | G |  |  |  |  | YES |  |
| RM C48 | G |  |  |  |  | YES |  |
| RM S50-54 | G |  |  | MP |  | YES |  |
| SITE RM S50 | D |  |  |  |  | NO |  |
| RM C49-75 | G |  |  |  |  | YES |  |
| RM C49 | P |  |  |  |  | YES |  |
| RM S-51-51 | D |  |  |  |  | NO |  |
| RM C49A-75 | G |  |  |  |  | YES |  |
| RM S52-51 | G |  |  | MP |  | YES |  |
| SITE RM S52 | D |  |  |  |  | YES |  |
| RM C-50A-75 | D |  |  |  |  | NO |  |
| RM C51-75 | D |  |  |  |  | NO |  |
| RM C-51-51 | D |  |  |  |  | NO |  |
| RM C51 | D |  |  |  |  | NO |  |
| RM S53 | D |  |  |  |  | NO |  |
| RM S-53A | D |  |  |  |  | NO |  |
| RM S53-73 | G |  |  | MP |  | YES |  |
| RM C52 | P |  |  |  |  | YES |  |
| RM S54-57 | D |  |  |  |  | NO |  |
| RM S54 | P |  |  |  |  | YES |  |
| RM C52A-73 | NR |  |  |  |  | NO |  |
| RM S54A-75 | NR |  |  |  |  | NO |  |
| RM C53 | P |  |  |  |  | YES |  |
| SITE RM S55 | D |  |  |  |  | NO |  |
| RM S-55-51 | D |  |  |  |  | NO |  |
| RM S55-73 | G |  |  | MP |  | YES |  |
| RM C54A-75 | G |  |  |  |  | YES |  |
| RM C54 | P |  | MA |  |  | NO |  |
| SITE RM S56 | P |  |  |  |  | YES |  |
| RM S56-75 | G |  |  | MP |  | YES |  |
| RM S57-73 | G |  |  | MP |  | YES |  |
| RM C55-75 | G |  |  | MP |  | YES |  |
| RM C-55-51 | D |  |  |  |  | NO |  |
| RM C55A-51 | D |  |  |  |  | NO |  |
| SITE RM C55 | D |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM S-57-51 | D |  |  |  |  | NO |  |
| SITE RM S57 | D |  |  |  |  | NO |  |
| RM S58-75 | D |  |  |  |  | NO |  |
| RM C-56-51 | D |  |  |  |  | NO |  |
| RM C56 | D |  |  |  |  | NO |  |
| SITE RM S58 | D |  |  |  |  | NO |  |
| RM S-58-40 | D |  |  |  |  | NO |  |
| RM C56A-75 | G |  |  |  |  | YES |  |
| SITE RM S59 | D |  |  |  |  | NO |  |
| RM S-59-51 | D |  |  |  |  | NO |  |
| RM C-57-51 | D |  |  |  |  | NO |  |
| SITE RM C57 | D |  |  |  |  | NO |  |
| RM S60 | P |  | MA | MP |  | YES |  |
| RM C58 | D |  |  |  |  | NO |  |
| RM C57-75 | D |  |  |  |  | NO |  |
| RM S60-75 | G |  |  | MP |  | YES |  |
| RM C-58-52 | D |  |  |  |  | NO |  |
| RM C59A-51 | D |  |  |  |  | NO |  |
| RM C59-75 | D |  |  |  |  | NO |  |
| SITE RM C59 | P |  |  |  |  | YES |  |
| RM S61 | D |  |  |  |  | NO |  |
| RM S62-51 | D |  |  |  |  | NO |  |
| SITE RM S62 | D |  |  |  |  | NO |  |
| SITE RM C60 | D |  |  |  |  | NO |  |
| RM C60-75 | G |  |  | MP |  | YES |  |
| RM S-63-51 | D |  |  |  |  | NO |  |
| RM S-63A | D |  |  |  |  | NO |  |
| RM S63-75 | G |  |  | MP |  | YES |  |
| RM C61A-75 | G |  |  | MP |  | YES |  |
| SITE RM C61 | D |  |  |  |  | NO |  |
| RM C62-75 | G |  |  | MP |  | YES |  |
| RM S64-75 | G |  |  | MP |  | YES |  |
| RM S-65-51 | D |  |  |  |  | NO |  |
| RM S65-75 | D |  |  |  |  | NO |  |
| SITE RM C63 | D |  |  |  |  | NO |  |
| RM C-63-51 | D |  |  |  |  | NO |  |
| SITE RM S65 | D |  |  |  |  | NO |  |
| RM C63-75 | NR |  |  |  |  | NO |  |
| SITE RM C64 | P |  |  |  |  | YES |  |
| SITE RM C65 | D |  |  |  |  | NO |  |
| RM C64-76 | NR |  |  |  |  | NO |  |
| RM S-66-51 | D |  |  |  |  | NO |  |
| SITE RM S66 | D |  |  |  |  | NO |  |
| RM S66-76 | D |  |  |  |  | NO |  |
| RM C65-75 | NR |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM C-65-51 | D |  |  |  |  | NO |  |
| RM S67-76 | NR |  |  |  |  | NO |  |
| RM S-67-51 | D |  |  |  |  | NO |  |
| SITE RM S67 | D |  |  |  |  | NO |  |
| RM C65A-76 | NR |  |  |  |  | NO |  |
| RM C66 | D |  |  |  |  | YES |  |
| RM C66A-75 | G |  |  | MP |  | YES |  |
| RM S-68-51 | D |  |  |  |  | NO |  |
| RM S-68-75 | G |  |  | MP |  | YES |  |
| RM 139-76 | G |  |  | MP |  | YES |  |
| SITE RM 139 | P |  |  |  |  | YES |  |
| SITE RM S70 | D |  |  |  |  | NO |  |
| RM 140 | G |  |  | MP |  | YES |  |
| RM 142-76 | G |  |  | MP |  | YES |  |
| RM S70-75 | G |  |  | MP |  | YES |  |
| RM S71A-51 | G |  |  | MP |  | YES |  |
| SITE RM S71 | D |  |  |  |  | NO |  |
| RM C67 | F |  |  | MP |  | YES |  |
| RM S72A-75 | G |  |  | MP |  | YES |  |
| RM S72-54 | G |  |  |  |  | NO |  |
| SITE RM S72 | D |  |  |  |  | NO |  |
| RM C68 | P |  |  |  |  | YES |  |
| RM C68A-75 | NR |  |  |  |  | NO |  |
| RM C68B-76 | G |  |  | MP |  | YES |  |
| SITE RM S73 | F |  |  | MP |  | YES |  |
| RM S73A-76 | NR |  |  |  |  | NO |  |
| RM S73-75 | D |  |  |  |  | NO |  |
| SITE RM C69 | P |  | MA | MP |  | YES |  |
| RM C69A-75 | G |  |  | MP |  | YES |  |
| RM S74A-51 | NR |  |  |  |  | NO |  |
| RM S-74-51 | NR |  |  |  |  | NO |  |
| SITE RM S74 | D |  |  |  |  | NO |  |
| SITE RM C70 | P |  | MA | MP |  | YES |  |
| RM C-71-31 | D |  |  |  |  | NO |  |
| RM 147-77 | G |  |  | MP |  | YES |  |
| SITE RM C71 | D |  |  |  |  | NO |  |
| RM C71-76 | G |  |  | MP |  | YES |  |
| RM S75A-76 | G |  |  | MP |  | YES |  |
| RM S75 | F |  |  | MP |  | YES |  |
| SITE RM S69 | G |  |  | MP |  | YES |  |
| RM S69A-76 | G |  |  |  |  | YES |  |
| RM S76-31 | G |  |  | MP |  | YES |  |
| SITE RM S76 | D |  |  |  |  | NO |  |
| RM 149 | G |  |  | MP |  | YES |  |
| RM C72A-76 | G |  |  |  |  | YES | S |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SITE RM C72 | P |  | MA | MP |  | YES |  |
| RM 151 | D |  |  |  |  | NO |  |
| RM 151A-76 | D |  |  |  |  | NO |  |
| SITE RM 151A | D |  |  |  |  | NO |  |
| RM S77 | F |  |  | MP |  | YES |  |
| RM 153 | G |  |  | MP |  | YES |  |
| RM S78-76 | F |  |  | MP |  | YES |  |
| RM S-78-53 | D |  |  |  |  | NO |  |
| SITE RM S78 | D |  |  |  |  | NO |  |
| RM C73 | P |  | MA | MP |  | YES |  |
| RM S-79-53 | D |  |  |  |  | NO |  |
| RM S79 | D |  |  |  |  | NO |  |
| RM S79-76 | G |  |  | MP |  | YES |  |
| RM C74 | D |  |  |  |  | NO |  |
| SITE RM S80 | D |  |  |  |  | NO |  |
| RM S80-76 | G |  |  | MP |  | YES |  |
| RM C75 | P |  | MA | MP |  | YES | S |
| RM S81-76 | D |  |  |  |  | NO |  |
| RM S81A-54 | G |  |  | MP |  | YES |  |
| SITE RM S81 | D |  |  |  |  | YES |  |
| RM C76A-51 | G |  |  | MP |  | YES |  |
| RM C-76-52 | P |  | MA | MP |  | YES | S |
| SITE RM C76 | P |  | MA | MP |  | YES | S |
| SITE RM S82 | P |  | MA | MP |  | YES |  |
| RM S82A-76 | G |  |  | MP |  | YES |  |
| RM C77 | F |  |  | MP |  | YES | S |
| SITE RM S83 | D |  |  |  |  | NO |  |
| RM S83-51 | F |  |  |  |  | YES |  |
| SITE RM S84 | D |  |  |  |  | NO |  |
| RM S-84-54 | D |  |  |  |  | NO |  |
| RM S84A-76 | NR |  |  |  |  | NO |  |
| RM C78A-76 | G |  |  | MP |  | YES |  |
| SITE RM C78 | P |  | MA | MP |  | YES | S |
| SITE RM S85 | D |  |  |  |  | NO |  |
| RM C79 | F |  |  | MP |  | YES | S |
| RM C79A-76 | G |  |  | MP |  | YES | S |
| RM S85-76 | G |  |  | MP |  | YES |  |
| SITE RM S86 | D |  |  |  |  | YES |  |
| RM S86-76 | D |  |  |  |  | NO |  |
| SITE RM C80 | P |  | MA | MP |  | YES | S |
| RM C80-76 | G |  |  | MP |  | YES | S |
| SITE RM C81 | P |  | MA | MP |  | YES | S |
| RM C-81-52 | P |  | MA | MP |  | YES | S |
| RM C81A-76 | G |  |  | MP |  | YES | S |
| SITE RM S87 | G |  |  | MP |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM S87-76 | NR |  |  |  |  | NO |  |
| RM S88 | F |  |  | MP |  | YES | S |
| SITE RM S89 | P |  | MA | MP |  | YES | S |
| RM S89A-76 | G |  |  | MP |  | YES |  |
| SITE RM C82 | D |  |  |  |  | NO |  |
| RM C82-76 | D |  |  |  |  | NO |  |
| RM C83-76 | D |  |  |  |  | NO |  |
| SITE RM S90 | D |  |  |  |  | NO |  |
| RM S90-76 | G |  |  | MP |  | YES | S |
| RM C-83-51 | D |  |  |  |  | NO |  |
| SITE RM C83 | D |  |  |  |  | NO |  |
| RM S91-76 | G |  |  | MP |  | YES |  |
| RM C84-76 | NR |  |  |  |  | NO |  |
| SITE RM S91 | P |  | MA | MP |  | YES | S |
| RM C-84-51 | D |  |  |  |  | NO |  |
| SITE RM C84 | D |  |  |  |  | NO |  |
| RM S92-76 | G |  |  | MP |  | YES | S |
| RM C-85-51 | D |  |  |  |  | NO |  |
| RM C85 | D |  |  |  |  | NO |  |
| SITE RM S92 | D |  |  |  |  | NO |  |
| RM S-93-51 | D |  |  |  |  | NO |  |
| RM C-86-76 | G |  |  | MP |  | YES | S |
| SITE RM S93 | D |  |  |  |  | NO |  |
| RM C86 | D |  |  |  |  | NO |  |
| RM S93-76 | G |  |  | MP |  | YES |  |
| RM S94-76 | D |  |  |  |  | NO |  |
| SITE RM S94 | D |  |  |  |  | NO |  |
| SITE RM C87 | P |  | MA | MP |  | YES | S |
| RM C87-76 | G |  |  | MP |  | YES | S |
| RM S95 | G |  |  | MP |  | YES |  |
| RM 154 | G |  |  | MP |  | YES |  |
| RM S-95-76 | G |  |  | MP |  | YES |  |
| RM C88-52 | P |  | MA | MP |  | YES | S |
| SITE RM C88 | P |  | MA | MP |  | YES | S |
| RM 155 | G |  |  | MP |  | YES |  |
| RM S-96-52 | D |  |  |  |  | NO |  |
| RM S96-76 | G |  |  | MP |  | YES |  |
| SITE RM S96 | D |  |  |  |  | NO |  |
| RM C89 | F |  |  | MP |  | YES | S |
| RM C90-76 | NR |  |  |  |  | NO |  |
| RM S96A-77 | G |  |  |  |  | YES |  |
| SITE RM C90 | P |  | MA | MP |  | YES | S |
| RM C91-77 | NR |  |  |  |  | NO |  |
| RM S97 | F |  |  | MP |  | YES |  |
| SITE RM C91 | P |  | MA | MP |  | YES | S |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM S98-77 | G |  |  | MP |  | YES |  |
| SITE RM S98-51 | D |  |  |  |  | NO |  |
| SITE RM S98 | D |  |  |  |  | NO |  |
| RM 156 | G |  |  | MP |  | YES |  |
| SITE RM C92 | D |  |  |  |  | NO |  |
| RM C92-77 | G |  |  | MP |  | YES | S |
| RM 157 | D |  |  |  |  | YES |  |
| RM 158-77 | G |  |  | MP |  | YES |  |
| RM C-92A | D |  |  |  |  | NO |  |
| SITE RM S99 | D |  |  |  |  | NO |  |
| RM S99-77 | G |  |  | MP |  | YES |  |
| SITE RM C93 | P |  | MA | MP |  | YES | S |
| RM 159A-77 | G |  |  |  |  | YES |  |
| RM 159B | P |  |  |  |  | YES |  |
| RM C93-77 | G |  |  | MP |  | YES |  |
| RM 159-77 | D |  |  |  |  | NO |  |
| RM 160-77 | G |  |  | MP |  | YES |  |
| RM 162-77 | D |  |  |  |  | NO |  |
| RM C94A-77 | G |  |  | MP |  | YES |  |
| RM 161-77 | G |  |  | MP |  | YES |  |
| SITE RM C94 | G |  |  | MP |  | YES | S |
| RM 163-77 | G |  |  | MP |  | YES |  |
| RM S100-77 | G |  |  | MP |  | YES |  |
| SITE RM S100 | D |  |  |  |  | NO |  |
| RM C94B-77 | G |  |  | MP |  | YES |  |
| SITE RM S101 | G |  |  | MP |  | YES |  |
| RM S101A-77 | G |  |  | MP |  | YES |  |
| RM C95A-77 | G |  |  | MP |  | YES |  |
| SITE RM C95 | G |  |  | MP |  | YES |  |
| RM S102 | G |  |  | MP |  | YES |  |
| SITE RM C96 | D |  |  |  |  | NO |  |
| RM 163A-77 | NR |  |  |  |  | NO |  |
| RM C96-77 | G |  |  | MP |  | YES |  |
| RM S103-51 | G |  |  | MP |  | YES |  |
| RM C-97-51 | D |  |  |  |  | NO |  |
| SITE RM C97 | D |  |  |  |  | NO |  |
| SITE RM S103 | D |  |  |  |  | NO |  |
| RM C97-77 | D |  |  |  |  | NO |  |
| RM 164 | G |  |  | MP |  | YES |  |
| RM S104-77 | G |  |  | MP |  | YES | S |
| SITE RM S104 | D |  |  |  |  | NO |  |
| RM C98-77 | G |  |  |  |  | YES |  |
| SITE RM C98 | P |  | MA | MP |  | YES | S |
| RM 165-77 | D |  |  |  |  | NO |  |
| RM 166-77 | D |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Saint John River
(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 167-77 | D |  |  |  |  | YES |  |
| SITE RM 168 | G |  |  | MP |  | YES |  |
| RM 168A-77 | G |  |  | MP |  | YES |  |
| RM S105-77 | G |  |  | MP |  | YES |  |
| SITE RM S105 | P |  | MA | MP |  | YES | S |
| RM C99 | F |  |  | MP |  | YES | S |
| RM 169 | P |  |  | MP |  | YES |  |
| RM C100-51 | G |  |  | MP |  | YES | S |
| SITE RM C100 | D |  |  |  |  | NO |  |
| RM S106-77 | G |  |  | MP |  | YES |  |
| RM S-106-52 | D |  |  |  |  | NO |  |
| SITE RM S106 | D |  |  |  |  | NO |  |
| RM S107A-77 | G |  |  | MP |  | YES | S |
| SITE RM S107 | G |  |  | MP |  | YES |  |
| RM C101 | P |  | MA | MP |  | YES | S |
| RM C102 | G |  |  | MP |  | YES |  |
| RM S-108-52 | D |  |  |  |  | NO |  |
| RM S108-77 | G |  |  | MP |  | YES |  |
| RM C102-77 | G |  |  | MP |  | YES | S |
| SITE RM S109 | G |  |  | MP |  | YES |  |
| RM S109A-77 | G |  |  |  |  | YES |  |
| SITE RM C103 | D |  |  |  |  | NO |  |
| RM C103-77 | G |  |  | MP |  | YES | S |
| RM C104-77 | G |  |  | MP |  | YES | S |
| SITE RM C104 | P |  | MA | MP |  | YES | S |
| RM S110-77 | G |  |  | MP |  | YES |  |
| SITE RM S110 | G |  |  | MP |  | YES |  |
| RM S-111 | G |  |  | MP |  | YES | S |
| RM S111-77 | NR |  |  |  |  | NO |  |
| RM C-105 | P |  | MA | MP |  | YES | S |
| RM C105-77 | G |  |  | MP |  | YES | S |
| RM S112-77 | G |  |  | MP |  | YES | S |
| RM S-112 | P |  | MA | MP |  | YES | S |
| RM 171-77 | G |  |  | MP |  | YES |  |
| SITE RM C106 | D |  |  |  |  | NO |  |
| RM C-106-77 | D |  |  |  |  | NO |  |
| RM 172-77 | G |  |  | MP |  | YES |  |
| RM S-90A | D |  |  |  |  | NO |  |
| RM S-87-51 | D |  |  |  |  | NO |  |
| RM C22 | P |  |  |  |  | YES |  |
| RM 170-77 | P |  |  |  |  | YES |  |
| RM S-90-51 | D |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017

## St. Francis River

(New Brunswick/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 173-77 | NR |  |  |  |  | NO |  |
| RM S113-77 | G |  |  | MP |  | YES | S |
| RM S-113 | P |  | MA | MP |  | YES | S |
| RM C109 | P |  | MA | MP |  | YES | S |

## Southwest Branch of the St. John River

(New Brunswick, Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM C62-00 | G |  |  |  |  | YES | S |
| RM C63-00 | G |  |  |  |  | YES | S |
| RM C64 | G |  |  |  |  | YES | S |
| RM C65 | G |  |  |  |  | YES | S |
| RM C68 | P |  |  |  |  | YES | S |
| RM C69 | F |  |  |  |  | YES | S |
| RM C70 | G |  |  |  |  | YES | S |
| RM C75 | G |  |  |  |  | YES | S |
| RM S73 | G |  |  |  |  | YES | S |

Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 318.8 | G |  |  |  |  | NO | S |
| MON 318A | P |  |  |  |  | NO | S |
| MON 319.21 | F |  |  |  |  | NO | S |
| MON 319.22 | F |  |  |  |  | NO | S |
| MON 320.13 | G |  |  |  |  | NO | S |
| MON 320.16 | G |  |  |  |  | NO | S |
| MON 321.4 | G |  |  |  |  | NO | S |
| MON 321.5 | G |  |  |  |  | NO | S |
| MON 322.3 | G |  |  |  |  | NO | S |
| MON 322.4 | G |  |  |  |  | NO | S |
| MON 323.4 | G |  |  |  |  | NO | S |
| MON 323.5 | G |  |  |  |  | NO | S |
| MON 324.7 | F |  |  |  |  | NO | S |
| MON 324.8 | G |  |  |  |  | NO | S |
| MON 329.29 | G |  |  |  |  | YES |  |
| MON 329.30 | G |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 329.31 | G |  |  |  |  | YES |  |
| MON 329.32 | G |  |  |  |  | YES |  |
| MON 329.33 | G |  |  |  |  | YES |  |
| MON 331.15 | G |  |  |  |  | YES |  |
| MON 340.27 | G |  |  |  |  | YES |  |
| MON 346.1 | P |  |  |  |  | NO | S |
| MON 346.2 | G |  |  |  |  | NO | S |
| MON 346.3 | G |  |  |  |  | NO | S |
| MON 346.4 | G |  |  |  |  | NO | S |
| MON 346.5 | F |  |  |  |  | NO | S |
| MON 346.6 | G |  |  |  |  | NO | S |
| MON 346.7 | P |  |  |  |  | NO | S |
| MON 346.8 | G |  |  |  |  | NO | S |
| MON 346.9 | G |  |  |  |  | NO | S |
| MON 346.10 | F |  |  |  |  | NO | S |
| MON 346.11 | P |  |  |  |  | NO | S |
| MON 346.12 | P |  |  |  |  | NO | S |
| MON 346.12A | F | R |  |  |  | YES | S |
| MON 346.13 | G |  |  |  |  | NO | S |
| MON 346.14 | P |  |  |  |  | NO | S |
| MON 346.15 | G |  |  |  |  | NO | S |
| MON 346.16 | F |  |  |  |  | NO | S |
| MON 346.17 | P |  |  |  |  | NO | S |
| MON 347 | D |  |  |  |  | NO | S |
| MON 347.1 | P |  |  |  |  | NO | S |
| MON 347.2 | G |  |  |  |  | NO | S |
| MON 347.3 | G |  |  |  |  | NO | S |
| MON 347.4 | G |  |  |  |  | NO | S |
| MON 347.5 | D |  |  |  |  | NO | S |
| MON 347.6 | P |  |  |  |  | NO | S |
| MON 347.7 | G |  |  |  |  | NO | S |
| MON 347.8 | G |  |  |  |  | NO | S |
| MON 347.9 | P |  |  |  |  | NO | S |
| MON 347.10 | P |  |  |  |  | NO | S |
| MON 347.11 | G |  |  |  |  | NO | S |
| MON 347.12 | G |  |  |  |  | NO | S |
| MON 347.13 | F |  |  |  |  | NO | S |
| MON 347.14 | G |  |  |  |  | NO | S |
| MON 347.15 | G |  |  |  |  | NO | S |
| MON 347.16 | P |  |  |  |  | NO | S |
| MON 347.17 | P |  |  |  |  | NO | S |
| MON 347.18 | G |  |  |  |  | NO | S |
| MON 347.19 | P |  |  |  |  | NO | S |
| MON 347.20 | G |  |  |  |  | NO | S |
| MON 347.21 | G |  |  |  |  | NO | S |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 347.22 | G |  |  |  |  | NO | S |
| MON 347.23 | G |  |  |  |  | NO | S |
| MON 347.24 | P |  |  |  |  | NO | S |
| MON 347.25 | P |  |  |  |  | NO | S |
| MON 347.26 | D |  |  |  |  | NO | S |
| MON 347.27 | P |  |  |  |  | NO | S |
| MON 347.28 | G |  |  |  |  | NO | S |
| MON 347.29 | F |  |  |  |  | NO | S |
| MON 347.30 | G |  |  |  |  | NO | S |
| MON 347.31 | G |  |  |  |  | NO | S |
| MON 347.32 | F |  |  |  |  | NO | S |
| MON 347.33 | F |  |  |  |  | NO | S |
| MON 347.34 | G |  |  |  |  | NO | S |
| MON 348 | G |  |  |  |  | NO | S |
| MON 348.1 | G |  |  |  |  | NO | S |
| MON 348.2 | G |  |  |  |  | NO | S |
| MON 348.3 | P |  |  |  |  | NO | S |
| MON 348.4 | G |  |  |  |  | NO | S |
| MON 348.5 | G |  |  |  |  | NO | S |
| MON 348.6 | G |  |  |  |  | NO | S |
| MON 348.7 | P |  |  |  |  | NO | S |
| MON 348.8 | F |  |  |  |  | NO | S |
| MON 348.9 | G |  |  |  |  | NO | S |
| MON 348.10 | P |  |  |  |  | NO | S |
| MON 348.11 | F |  |  |  |  | NO | S |
| MON 348.12 | G |  |  |  |  | NO | S |
| MON 348.13 | F |  |  |  |  | NO | S |
| MON 348.14 | G |  |  |  |  | NO | S |
| MON 348.15 | P |  |  |  |  | NO | S |
| MON 348.16 | G |  |  |  |  | NO | S |
| MON 348.17 | P |  |  |  |  | NO | S |
| MON 348.18 | P |  |  |  |  | NO | S |
| MON 348.19 | P |  |  |  |  | NO | S |
| MON 348.20 | G |  |  |  |  | NO | S |
| MON 348.21 | G |  |  |  |  | NO | S |
| MON 348.22 | G |  |  |  |  | NO | S |
| MON 348.23 | G |  |  |  |  | NO | S |
| MON 348.24 | G |  |  |  |  | NO | S |
| MON 348.25 | G |  |  |  |  | NO | S |
| MON 348.26 | P |  |  |  |  | NO | S |
| MON 348.27 | P |  |  |  |  | NO | S |
| MON 348.28 | D |  |  |  |  | NO | S |
| MON 348.29 | P |  |  |  |  | NO | S |
| MON 348.30 | F |  |  |  |  | NO | S |
| MON 348.31 | G |  |  |  |  | NO | S |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 348.32 | F |  |  |  |  | NO | S |
| MON 348.33 | F |  |  |  |  | NO | S |
| MON 348.34 | G |  |  |  |  | NO | S |
| MON 348.35 | F |  |  |  |  | NO | S |
| MON 348.36 | G |  |  |  |  | NO | S |
| MON 348.37 | G |  |  |  |  | NO | S |
| MON 348.38 | G |  |  |  |  | NO | S |
| MON 349 | G |  |  |  |  | NO | S |
| MON 349.1 | G |  |  |  |  | NO | S |
| MON 349.2 | G |  |  |  |  | NO | S |
| MON 349.3 | P |  |  |  |  | NO | S |
| MON 349.4 | G |  |  |  |  | NO | S |
| MON 349.5 | G |  |  |  |  | NO | S |
| MON 349.6 | F |  |  |  |  | NO | S |
| MON 349.7 | G |  |  |  |  | NO | S |
| MON 349.8 | G |  |  |  |  | NO | S |
| MON 351B | P |  |  |  |  | NO |  |
| MON 352 | G |  |  |  |  | NO |  |
| MON 353 | G | R |  | MP |  | YES |  |
| MON 356.5 | G |  |  |  |  | NO | S |
| MON 356.6 | G |  |  |  |  | NO | S |
| MON 367.2 | G |  |  |  |  | YES |  |
| MON 367.3 | G | R |  |  |  | YES |  |
| MON 367.4 | P | R |  |  |  | YES |  |
| MON 367.5 | G |  |  |  |  | YES |  |
| MON 367.6 | G |  |  |  |  | YES |  |
| MON 367.7 | G |  |  |  |  | YES |  |
| MON 367.8 | G |  |  |  |  | YES |  |
| MON 367.9 | G |  |  |  |  | YES |  |
| MON 367.10 | G |  |  |  |  | YES |  |
| MON 367.11 | G |  |  |  |  | YES |  |
| MON 367.12 | P |  |  |  |  | YES |  |
| MON 367.13 | G |  |  |  |  | YES |  |
| MON 367.14 | P | R |  |  |  | YES |  |
| MON 367.15 | G |  |  |  |  | YES |  |
| MON 367.16 | G |  |  |  |  | YES |  |
| MON 368 | F | R |  |  |  | YES |  |
| MON 368.1 | G |  |  |  |  | YES |  |
| MON 368.2 | P |  |  |  |  | YES |  |
| MON 368.3 | D |  |  |  |  | YES |  |
| MON 368.4 | P |  |  |  |  | YES |  |
| MON 368.5 | F |  |  |  |  | YES |  |
| MON 368.6 | G |  |  |  |  | YES |  |
| MON 368.7 | G |  |  |  |  | YES |  |
| MON 368.8 | P |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 368.9 | G | R |  |  |  | YES |  |
| MON 368.10 | P |  |  |  |  | YES |  |
| MON 368.11 | G |  |  |  |  | YES |  |
| MON 368.12 | G | R |  |  |  | YES |  |
| MON 368.13 | G |  |  |  |  | YES |  |
| MON 368.14 | P |  |  |  |  | YES |  |
| MON 368.15 | G |  |  |  |  | YES |  |
| MON 368.16 | F |  |  |  |  | YES |  |
| MON 368.17 | G |  |  |  |  | YES |  |
| MON 368.18 | G |  |  |  |  | YES |  |
| MON 368.19 | G |  |  |  |  | YES |  |
| MON 368.20 | G |  |  |  |  | YES |  |
| MON 368.21 | G |  |  |  |  | YES |  |
| MON 368.22 | G |  |  |  |  | YES |  |
| MON 368.23 | G |  |  |  |  | YES |  |
| MON 368.24 | P |  |  |  |  | YES |  |
| MON 369 | G | R |  |  |  | YES | S |
| MON 369.1 | F |  |  |  |  | YES | S |
| MON 369.2 | G |  |  |  |  | YES | S |
| MON 369.3 | G |  |  |  |  | YES | S |
| MON 369.4 | G |  |  |  |  | YES | S |
| MON 369.5 | F |  |  |  |  | YES | S |
| MON 369.6 | F |  |  |  |  | YES | S |
| MON 369.7 | G |  |  |  |  | YES | S |
| MON 369.8 | G |  |  |  |  | YES | S |
| MON 369.9 | G |  |  |  |  | YES | S |
| MON 369.10 | G |  |  |  |  | YES | S |
| MON 369.11 | F |  |  |  |  | YES | S |
| MON 369.12 | G |  |  |  |  | YES | S |
| MON 369.13 | G |  |  |  |  | YES | S |
| MON 369.14 | G |  |  |  |  | YES | S |
| MON 369.15 | F |  |  |  |  | YES | S |
| MON 370 | G | R |  |  |  | YES | S |
| MON 370.1 | G |  |  |  |  | YES | S |
| MON 370.2 | G |  |  |  |  | YES | S |
| MON 370.3 | F |  |  |  |  | YES | S |
| MON 370.4 | F |  |  |  |  | YES | S |
| MON 370.5 | F |  |  |  |  | YES | S |
| MON 370.6 | P |  |  |  |  | YES | S |
| MON 370.7 | F | R |  |  |  | YES | S |
| MON 370.8 | P |  |  |  |  | YES | S |
| MON 370.9 | G |  |  |  |  | YES | S |
| MON 370.10 | G |  |  |  |  | YES | S |
| MON 371 | F | R |  |  |  | YES | S |
| MON 371.1 | G |  |  |  |  | YES | S |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 371.2 | G |  |  |  |  | YES | S |
| MON 371.3 | G |  |  |  |  | YES | S |
| MON 371.4 | G |  |  |  |  | YES | S |
| MON 371.5 | G |  |  |  |  | YES | S |
| MON 371.6 | G |  |  |  |  | YES | S |
| MON 371.7 | G |  |  |  |  | YES | S |
| MON 371.8 | G |  |  |  |  | YES | S |
| MON 371.9 | F |  |  |  |  | YES | S |
| MON 371.10 | G |  |  |  |  | YES | S |
| MON 371.11 | G |  |  |  |  | YES | S |
| MON 371.12 | G |  |  |  |  | YES | S |
| MON 371.13 | G |  |  |  |  | YES | S |
| MON 371.14 | P |  |  |  |  | YES | S |
| MON 371.15 | G |  |  |  |  | YES | S |
| MON 371.16 | G |  |  |  |  | YES | S |
| MON 371.17 | G |  |  |  |  | YES | S |
| MON 372 | G | R |  |  |  | YES | S |
| MON 372.1 | G |  |  |  |  | YES | S |
| MON 372.2 | G |  |  |  |  | YES | S |
| MON 372.3 | G |  |  |  |  | YES | S |
| MON 373 | G |  |  |  |  | NO | S |
| MON 373.1 | G |  |  |  |  | NO | S |
| MON 373.2 | G |  |  |  |  | NO | S |
| MON 373.3 | G |  |  |  |  | NO | S |
| MON 373.4 | P |  |  |  |  | NO | S |
| MON 373.5 | P |  |  |  |  | NO | S |
| MON 373.6 | P |  |  |  |  | NO | S |
| MON 373.7 | P |  |  |  |  | NO | S |
| MON 374 | G | R |  |  |  | YES | S |
| MON 374.1 | G | R |  |  |  | YES | S |
| MON 374.2 | G | R |  |  |  | YES | S |
| MON 374.3 | G |  |  |  |  | YES | S |
| MON 374.4 | G |  |  |  |  | YES | S |
| MON 374.5 | G | R |  |  |  | YES | S |
| MON 374.6 | G | R |  |  |  | YES | S |
| MON 374.7 | G |  |  |  |  | YES | S |
| MON 374.8 | G | R |  |  |  | YES | S |
| MON 374.9 | F |  |  |  |  | YES | S |
| MON 374.10 | G |  |  |  |  | YES | S |
| MON 374.11 | G |  |  |  |  | YES | S |
| MON 374.12 | G |  |  |  |  | YES | S |
| MON 374.13 | F |  |  |  |  | YES | S |
| MON 374.14 | G |  |  |  |  | YES | S |
| MON 374.15 | G |  |  |  |  | YES | S |
| MON 374.16 | G |  |  |  |  | YES | S |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument <br> Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 374.17 | G |  |  |  |  | YES | S |
| MON 374.18 | G |  |  |  |  | YES | S |
| MON 374.19 | G |  |  |  |  | YES | S |
| MON 374.20 | F |  |  |  |  | YES | S |
| MON 374.21 | F |  |  |  |  | YES | S |
| MON 374.22 | F |  |  |  |  | YES | S |
| MON 374.23 | G |  |  |  |  | YES | S |
| MON 374.24 | G |  |  |  |  | YES | S |
| MON 374.25 | G |  |  |  |  | YES | S |
| MON 374.26 | F |  |  |  |  | YES | S |
| MON 374.27 | G |  |  |  |  | YES | S |
| MON 375 | D |  |  |  |  | YES | S |
| MON 375.1 | G |  |  |  |  | YES | S |
| MON 375.2 | F |  |  |  |  | YES | S |
| MON 375.3 | G |  |  |  |  | YES | S |
| MON 375.4 | G |  |  |  |  | YES | S |
| MON 375.5 | P |  |  |  |  | YES | S |
| MON 375.6 | G |  |  |  |  | YES | S |
| MON 375.7 | G |  |  |  |  | YES | S |
| MON 375.8 | G |  |  |  |  | YES | S |
| MON 375.9 | F |  |  |  |  | YES | S |
| MON 375.10 | G |  |  |  |  | YES | S |
| MON 376 | G | R |  |  |  | YES | S |
| MON 376.1 | F |  |  |  |  | YES | S |
| MON 376.2 | G |  |  |  |  | YES | S |
| MON 376.3 | G |  |  |  |  | YES | S |
| MON 376.4 | G |  |  |  |  | YES | S |
| MON 376.5 | G |  |  |  |  | YES | S |
| MON 376.6 | G |  |  |  |  | YES | S |
| MON 376.7 | F |  |  |  |  | YES | S |
| MON 376.8 | G |  |  |  |  | YES | S |
| MON 377 | G | R |  |  |  | YES |  |
| MON 377.1 | G |  |  |  |  | YES |  |
| MON 377.2 | F |  |  |  |  | YES |  |
| MON 377.3 | G |  |  |  |  | YES |  |
| MON 377.4 | G |  |  |  |  | YES |  |
| MON 377.5 | G |  |  |  |  | YES |  |
| MON 378 | G |  |  |  |  | YES |  |
| MON 378.1 | G |  |  |  |  | YES |  |
| MON 378.2 | G |  |  |  |  | YES |  |
| MON 378.3 | G |  |  |  |  | YES |  |
| MON 378.4 | G |  |  |  |  | YES |  |
| MON 378.5 | G |  |  |  |  | YES |  |
| MON 378.6 | G |  |  |  |  | YES |  |
| MON 378.7 | F |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 378.8 | G |  |  |  |  | YES |  |
| MON 378.9 | G |  |  |  |  | YES |  |
| MON 378.10 | F |  |  |  |  | YES |  |
| MON 378.11 | G |  |  |  |  | YES |  |
| MON 378.12 | G |  |  |  |  | YES |  |
| MON 378.13 | G |  |  |  |  | YES |  |
| MON 378.14 | G |  |  |  |  | YES |  |
| MON 378.15 | P |  |  |  |  | YES |  |
| MON 378.16 | F |  |  |  |  | YES |  |
| MON 378.17 | F |  |  |  |  | YES |  |
| MON 378.18 | G |  |  |  |  | YES |  |
| MON 378.19 | F |  |  |  |  | YES |  |
| MON 378.20 | G |  |  |  |  | YES |  |
| MON 378.21 | G |  |  |  |  | YES |  |
| MON 378.22 | G |  |  |  |  | YES |  |
| MON 378.23 | G |  |  |  |  | YES |  |
| MON 378.24 | G |  |  |  |  | YES |  |
| MON 378.25 | P |  |  |  |  | YES |  |
| MON 379 | G | R |  |  |  | YES |  |
| MON 379.1 | G |  |  |  |  | YES |  |
| MON 379.2 | G |  |  |  |  | YES |  |
| MON 379.3 | G |  |  |  |  | YES |  |
| MON 379.4 | G | R |  |  |  | YES |  |
| MON 379.5 | G |  |  |  |  | YES |  |
| MON 379.6 | G |  |  |  |  | YES |  |
| MON 379.7 | G |  |  |  |  | YES |  |
| MON 379.8 | G |  |  |  |  | YES |  |
| MON 380 | G | R |  |  |  | YES |  |
| MON 380.1 | G |  |  |  |  | YES |  |
| MON 380.2 | G | R |  |  |  | YES |  |
| MON 380.3 | G |  |  |  |  | YES |  |
| MON 380.4 | P |  |  |  |  | YES |  |
| MON 380.5 | G |  |  |  |  | YES |  |
| MON 380.6 | G |  |  |  |  | YES |  |
| MON 380.7 | G |  |  |  |  | YES |  |
| MON 380.8 | G | R |  |  |  | YES |  |
| MON 380.9 | G | R |  |  |  | YES |  |
| MON 380.10 | G |  |  |  |  | YES | S |
| MON 380.11 | G | R |  |  |  | YES |  |
| MON 380.12 | G |  |  |  |  | YES | S |
| MON 380.13 | G |  |  |  |  | YES |  |
| MON 380.14 | G |  |  |  |  | YES |  |
| MON 380.15 | G |  |  |  |  | YES |  |
| MON 380.16 | G |  |  |  |  | YES |  |
| MON 380.17 | G |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 380.18 | G |  |  |  |  | YES |  |
| MON 380.19 | G |  |  |  |  | YES |  |
| MON 380.20 | G |  |  |  |  | YES |  |
| MON 380.21 | G | R |  |  |  | YES |  |
| MON 380.22 | G |  |  |  |  | YES |  |
| MON 380.23 | G |  |  |  |  | YES |  |
| MON 381 | G |  |  |  |  | YES |  |
| MON 381.1 | G |  |  |  |  | YES |  |
| MON 381.2 | G |  |  |  |  | YES |  |
| MON 381.3 | G |  |  |  |  | YES |  |
| MON 381.4 | G |  |  |  |  | YES |  |
| MON 381.5 | G |  |  |  |  | YES |  |
| MON 381.6 | G |  |  |  |  | YES |  |
| MON 381.7 | G |  |  |  |  | YES |  |
| MON 381.8 | G |  |  |  |  | YES |  |
| MON 381.9 | G |  |  |  |  | YES |  |
| MON 381.10 | G | R |  |  |  | YES |  |
| MON 381.11 | G |  |  |  |  | YES |  |
| MON 381.12 | G |  |  |  |  | YES |  |
| MON 381.13 | G |  |  |  |  | YES |  |
| MON 381.14 | G |  |  |  |  | YES |  |
| MON 381.15 | G |  |  |  |  | YES |  |
| MON 382.8 | F |  |  |  |  | NO | S |
| MON 382.9 | G |  |  |  |  | NO | S |
| MON 382.14 | G |  |  |  |  | YES |  |
| MON 382.15 | G | R |  |  |  | YES |  |
| MON 382.16 | G |  |  |  |  | YES |  |
| MON 382.17 | G |  |  |  |  | YES |  |
| MON 383 | P | R |  |  |  | YES |  |
| MON 383.1 | G |  |  |  |  | YES |  |
| MON 383.2 | G |  |  |  |  | YES |  |
| MON 383.3 | G |  |  |  |  | YES |  |
| MON 383.4 | G |  |  |  |  | YES |  |
| MON 383.5 | G |  |  |  |  | YES |  |
| MON 383.6 | G |  |  |  |  | YES |  |
| MON 383.7 | G |  |  |  |  | YES |  |
| MON 383.8 | G |  |  |  |  | YES |  |
| MON 383.9 | G |  |  |  |  | YES |  |
| MON 383.10 | G |  |  |  |  | YES |  |
| MON 383.11 | G |  |  |  |  | YES |  |
| MON 383.12 | G |  |  |  |  | YES |  |
| MON 383.13 | G | R |  |  |  | YES |  |
| MON 383.14 | G |  |  |  |  | YES |  |
| MON 383.15 | G |  |  |  |  | YES |  |
| MON 383.16 | G |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 383.17 | G | R |  |  |  | YES |  |
| MON 383.18 | G |  |  |  |  | YES |  |
| MON 383.19 | G |  |  |  |  | YES |  |
| MON 383.20 | G |  |  |  |  | YES |  |
| MON 383.21 | G |  |  |  |  | YES |  |
| MON 383.22 | G |  |  |  |  | YES |  |
| MON 383.23 | G |  |  |  |  | YES |  |
| MON 383.24 | G |  |  |  |  | YES |  |
| MON 383.25 | G |  |  |  |  | YES |  |
| MON 383.26 | G |  |  |  |  | YES |  |
| MON 383.29 | G |  |  |  |  | NO | S |
| MON 383.30 | G |  |  |  |  | YES | S |
| MON 383.31 | G |  |  |  |  | YES |  |
| MON 383.32 | G |  |  |  |  | YES |  |
| MON 383.33 | F |  |  |  |  | YES |  |
| MON 383.34 | G |  |  |  |  | YES |  |
| MON 383.35 | F |  |  |  |  | YES |  |
| MON 383.36 | G |  |  |  |  | YES |  |
| MON 383.37 | G |  |  |  |  | YES |  |
| MON 383.38 | G |  |  |  |  | YES |  |
| MON 383.39 | G |  |  |  |  | YES |  |
| MON 383.40 | F |  |  |  |  | YES |  |
| MON 383.41 | F |  |  |  |  | YES |  |
| MON 383.42 | G |  |  |  |  | YES |  |
| MON 384 | P |  |  |  |  | YES |  |
| MON 384.1 | G |  |  |  |  | YES |  |
| MON 384.2 | G |  |  |  |  | YES |  |
| MON 384.3 | G |  |  |  |  | YES |  |
| MON 384.4 | G |  |  |  |  | YES |  |
| MON 384.5 | G |  |  |  |  | YES |  |
| MON 384.6 | G |  |  |  |  | YES |  |
| MON 384.7 | G |  |  |  |  | YES |  |
| MON 384.8 | G |  |  |  |  | YES |  |
| MON 385 | P |  |  |  |  | YES |  |
| MON 385.1 | G |  |  |  |  | YES |  |
| MON 385.2 | G |  |  |  |  | YES |  |
| MON 385.3 | G |  |  |  |  | YES |  |
| MON 385.4 | G | R |  |  |  | YES |  |
| MON 385.5 | G |  |  |  |  | YES |  |
| MON 385.6 | G |  |  |  |  | YES |  |
| MON 385.7 | G |  |  |  |  | YES |  |
| MON 385.8 | G |  |  |  |  | YES |  |
| MON 385.9 | F |  |  |  |  | YES |  |
| MON 385.10 | F |  |  |  |  | YES |  |
| MON 385.11 | G |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 385.12 | G |  |  |  |  | YES |  |
| MON 385.13 | G |  |  |  |  | YES |  |
| MON 385.14 | G |  |  |  |  | YES |  |
| MON 385.15 | G |  |  |  |  | YES |  |
| MON 385.16 | G |  |  |  |  | YES |  |
| MON 385.17 | G | R |  |  |  | YES |  |
| MON 385.18 | G |  |  |  |  | YES |  |
| MON 385.19 | G |  |  |  |  | YES |  |
| MON 385.20 | G |  |  |  |  | YES |  |
| MON 385.21 | G |  |  |  |  | YES |  |
| MON 385.22 | G |  |  |  |  | YES |  |
| MON 385.23 | G |  |  |  |  | YES |  |
| MON 385.24 | G |  |  |  |  | YES | S |
| MON 385.25 | G |  |  |  |  | YES | S |
| MON 385.26 | G |  |  |  |  | YES | S |
| MON 385.27 | G |  |  |  |  | YES | S |
| MON 385.28 | G |  |  |  |  | YES | S |
| MON 385.29 | G |  |  |  |  | YES | S |
| MON 385.30 | G |  |  |  |  | YES | S |
| MON 386 | G | R |  |  |  | YES | S |
| MON 386.1 | G |  |  |  |  | YES | S |
| MON 386.2 | G |  |  |  |  | YES | S |
| MON 386.3 | G |  |  |  |  | YES | S |
| MON 386.4 | G |  |  |  |  | YES | S |
| MON 386.5 | G |  |  |  |  | YES | S |
| MON 387 | G | R |  |  |  | YES | S |
| MON 387.1 | G | R |  |  |  | YES | S |
| MON 387.2 | G |  |  |  |  | YES | S |
| MON 387.3 | G | R |  |  |  | YES | S |
| MON 387.4 | G |  |  |  |  | YES | S |
| MON 387.5 | G |  |  |  |  | YES | S |
| MON 387.6 | G |  |  |  |  | YES | S |
| MON 387.7 | G |  |  |  |  | YES | S |
| MON 387.8 | G |  |  |  |  | YES | S |
| MON 387.9 | G |  |  |  |  | YES | S |
| MON 387.10 | G |  |  |  |  | YES | S |
| MON 387.11 | G |  |  |  |  | YES | S |
| MON 387.12 | G |  |  |  |  | YES | S |
| MON 387.13 | G |  |  |  |  | YES | S |
| MON 387.14 | G |  |  |  |  | YES | S |
| MON 387.15 | G |  |  |  |  | YES | S |
| MON 387.16 | G |  |  |  |  | YES | S |
| MON 387.17 | G |  |  |  |  | YES | S |
| MON 387.18 | G |  |  |  |  | YES | S |
| MON 387.19 | G |  |  |  |  | YES | S |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 387.20 | G |  |  |  |  | YES | S |
| MON 387.21 | G |  |  |  |  | YES | S |
| MON 387.22 | G |  |  |  |  | YES | S |
| MON 387.23 | G |  |  |  |  | YES | S |
| MON 387.24 | G |  |  |  |  | YES | S |
| MON 387.25 | G |  |  |  |  | NO | S |
| MON 387.26 | G |  |  |  |  | NO | S |
| MON 387.27 | G |  |  |  |  | NO | S |
| MON 388 | G |  |  |  |  | NO | S |
| MON 388.1 | G |  |  |  |  | YES | S |
| MON 388.2 | G |  |  |  |  | YES | S |
| MON 388.3 | G |  |  |  |  | YES | S |
| MON 388.4 | G |  |  |  |  | YES | S |
| MON 388.5 | G |  |  |  |  | YES | S |
| MON 388.6 | G |  |  |  |  | YES | S |
| MON 388.7 | G |  |  |  |  | YES | S |
| MON 388.8 | G |  |  |  |  | YES | S |
| MON 388.9 | G |  |  |  |  | YES | S |
| MON 388.10 | G |  |  |  |  | YES | S |
| MON 389 | F | R |  |  |  | YES | S |
| MON 389.1 | G |  |  |  |  | YES | S |
| MON 389.2 | G |  |  |  |  | YES | S |
| MON 389.3 | G |  |  |  |  | YES | S |
| MON 389.4 | G |  |  |  |  | YES | S |
| MON 389.5 | G |  |  |  |  | YES | S |
| MON 389.6 | G |  |  |  |  | YES | S |
| MON 389.7 | G |  |  |  |  | YES | S |
| MON 389.8 | G |  |  |  |  | YES | S |
| MON 389.9 | G |  |  |  |  | YES | S |
| MON 389.10 | G |  |  |  |  | YES | S |
| MON 389.11 | G |  |  |  |  | YES | S |
| MON 389.12 | G |  |  |  |  | YES | S |
| MON 390 | G | R |  |  |  | YES | S |
| MON 390.1 | G |  |  |  |  | YES |  |
| MON 390.2 | G |  |  |  |  | YES |  |
| MON 390.3 | G |  |  |  |  | YES |  |
| MON 390.4 | G |  |  |  |  | YES |  |
| MON 390.5 | G |  |  |  |  | YES |  |
| MON 390.6 | G |  |  |  |  | YES |  |
| MON 390.7 | G |  |  |  |  | YES |  |
| MON 390.8 | G |  |  |  |  | YES |  |
| MON 390.9 | G |  |  |  |  | YES |  |
| MON 390.10 | G |  |  |  |  | YES |  |
| MON 390.11 | G |  |  |  |  | YES |  |
| MON 390.12 | F |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 390.13 | P |  |  |  |  | YES |  |
| MON 390.14 | G |  |  |  |  | YES |  |
| MON 390.15 | G |  |  |  |  | YES |  |
| MON 390.16 | G |  |  |  |  | YES |  |
| MON 391 | G | R |  |  |  | YES |  |
| MON 391.1 | G |  |  |  |  | YES |  |
| MON 391.2 | P |  |  |  |  | YES |  |
| MON 391.3 | G |  |  |  |  | YES |  |
| MON 391.4 | G |  |  |  |  | YES |  |
| MON 391.5 | G |  |  |  |  | YES |  |
| MON 391.6 | G |  |  |  |  | YES |  |
| MON 391.7 | G |  |  |  |  | YES |  |
| MON 392 | F | R |  |  |  | YES |  |
| MON 392.1 | G |  |  |  |  | YES |  |
| MON 392.2 | G |  |  |  |  | YES |  |
| MON 392.3 | G |  |  |  |  | YES |  |
| MON 392.4 | G |  |  |  |  | YES |  |
| MON 392.5 | G |  |  |  |  | YES |  |
| MON 392.6 | G |  |  |  |  | YES |  |
| MON 392.7 | G |  |  |  |  | YES |  |
| MON 392.8 | G |  |  |  |  | YES |  |
| MON 392.9 | F |  |  |  |  | YES |  |
| MON 392.10 | G |  |  |  |  | YES |  |
| MON 392.11 | G |  |  |  |  | YES |  |
| MON 392.12 | F |  |  |  |  | YES |  |
| MON 392.13 | G |  |  |  |  | YES |  |
| MON 392.14 | G |  |  |  |  | YES |  |
| MON 392.15 | G |  |  |  |  | YES |  |
| MON 392.16 | G |  |  |  |  | YES |  |
| MON 392.17 | G |  |  |  |  | YES |  |
| MON 393 | D |  |  |  |  | YES |  |
| MON 393.1 | G |  |  |  |  | YES |  |
| MON 393.2 | G |  |  |  |  | YES |  |
| MON 393.3 | G |  |  |  |  | YES |  |
| MON 393.4 | P |  |  |  |  | YES |  |
| MON 393.5 | G |  |  |  |  | YES |  |
| MON 393.6 | F |  |  |  |  | YES |  |
| MON 393.7 | G |  |  |  |  | YES |  |
| MON 393.8 | G |  |  |  |  | YES |  |
| MON 393.9 | G |  |  |  |  | YES |  |
| MON 393.10 | G |  |  |  |  | YES |  |
| MON 393.11 | G |  |  |  |  | YES |  |
| MON 393.12 | G |  |  |  |  | YES |  |
| MON 393.13 | F |  |  |  |  | YES |  |
| MON 393.14 | G |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 393.15 | G |  |  |  |  | YES |  |
| MON 393.16 | G |  |  |  |  | YES |  |
| MON 394 | G | R |  |  |  | YES | S |
| MON 394.1 | G |  |  |  |  | YES | S |
| MON 394.2 | NR |  |  |  |  | NO |  |
| MON 394.3 | G |  |  |  |  | YES |  |
| MON 394.4 | F |  |  |  |  | YES |  |
| MON 394.5 | F |  |  |  |  | YES |  |
| MON 394.6 | F |  |  |  |  | YES |  |
| MON 394.7 | G |  |  |  |  | YES |  |
| MON 394.8 | P |  |  |  |  | YES |  |
| MON 394.9 | P |  |  |  |  | YES |  |
| MON 394.10 | G |  |  |  |  | YES |  |
| MON 394.11 | P |  |  |  |  | YES |  |
| MON 394.12 | F |  |  |  |  | YES |  |
| MON 394.13 | G |  |  |  |  | YES |  |
| MON 395 | G | R |  |  |  | YES |  |
| MON 395.1 | F |  |  |  |  | YES |  |
| MON 395.2 | F |  |  |  |  | YES |  |
| MON 395.3 | F |  |  |  |  | YES |  |
| MON 395.4 | G |  |  |  |  | YES |  |
| MON 395.5 | G |  |  |  |  | YES |  |
| MON 395.6 | G |  |  |  |  | YES |  |
| MON 395.7 | F |  |  |  |  | YES |  |
| MON 395.8 | G |  |  |  |  | YES |  |
| MON 395.9 | G |  |  |  |  | YES |  |
| MON 395.10 | F |  |  |  |  | YES |  |
| MON 395.11 | G |  |  |  |  | YES |  |
| MON 395.12 | G |  |  |  |  | YES |  |
| MON 395.13 | F |  |  |  |  | YES |  |
| MON 395.14 | P |  |  |  |  | YES |  |
| MON 395.15 | G |  |  |  |  | YES |  |
| MON 396 | P | R |  |  |  | YES |  |
| MON 396.1 | G |  |  |  |  | YES |  |
| MON 396.2 | G |  |  |  |  | YES |  |
| MON 396.3 | G |  |  |  |  | YES |  |
| MON 396.4 | G |  |  |  |  | YES |  |
| MON 396.5 | F |  |  |  |  | YES |  |
| MON 396.6 | G |  |  |  |  | YES |  |
| MON 396.7 | G |  |  |  |  | YES |  |
| MON 396.8 | G |  |  |  |  | YES |  |
| MON 396.9 | G |  |  |  |  | YES |  |
| MON 396.10 | G |  |  |  |  | YES |  |
| MON 396.11 | G |  |  |  |  | YES |  |
| MON 396.12 | G |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 396.13 | G |  |  |  |  | YES |  |
| MON 396.14 | P |  |  |  |  | YES |  |
| MON 396.15 | G |  |  |  |  | YES |  |
| MON 396.16 | P |  |  |  |  | YES |  |
| MON 397 | F | R |  |  |  | YES |  |
| MON 397.1 | G | R |  |  |  | YES |  |
| MON 397.2 | P |  |  |  |  | YES |  |
| MON 397.3 | P |  |  |  |  | YES |  |
| MON 397.4 | G |  |  |  |  | YES |  |
| MON 397.5 | G |  |  |  |  | YES |  |
| MON 397.6 | G |  |  |  |  | YES |  |
| MON 397.7 | F |  |  |  |  | YES |  |
| MON 397.8 | G |  |  |  |  | YES |  |
| MON 397.9 | F |  |  |  |  | YES |  |
| MON 397.10 | G |  |  |  |  | YES |  |
| MON 397.11 | G |  |  |  |  | YES |  |
| MON 397.12 | G |  |  |  |  | YES |  |
| MON 397.13 | G |  |  |  |  | YES |  |
| MON 398 | G | R |  |  |  | YES |  |
| MON 398.1 | P |  |  |  |  | YES |  |
| MON 398.2 | G |  |  |  |  | YES |  |
| MON 398.3 | G |  |  |  |  | YES |  |
| MON 398.4 | G |  |  |  |  | YES |  |
| MON 398.5 | F |  |  |  |  | YES |  |
| MON 398.6 | G |  |  |  |  | YES |  |
| MON 398.7 | F |  |  |  |  | YES |  |
| MON 398.8 | P |  |  |  |  | YES |  |
| MON 398.9 | F |  |  |  |  | YES |  |
| MON 398.10 | G |  |  |  |  | YES |  |
| MON 398.11 | F |  |  |  |  | YES |  |
| MON 398.12 | F |  |  |  |  | YES |  |
| MON 398.13 | G |  |  |  |  | YES |  |
| MON 399 | G | R |  |  |  | YES |  |
| MON 399.1 | G |  |  |  |  | YES |  |
| MON 399.2 | G |  |  |  |  | YES |  |
| MON 399.3 | F |  |  |  |  | YES |  |
| MON 399.4 | F |  |  |  |  | YES |  |
| MON 399.5 | P |  |  |  |  | YES |  |
| MON 399.6 | G |  |  |  |  | YES |  |
| MON 399.7 | P |  |  |  |  | YES |  |
| MON 399.8 | F |  |  |  |  | YES |  |
| MON 399.9 | F |  |  |  |  | YES |  |
| MON 399.10 | G |  |  |  |  | YES |  |
| MON 399.11 | F |  |  |  |  | YES |  |
| MON 399.12 | G |  |  |  |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 400 | G | R |  |  |  | YES |  |
| MON 400.1 | P |  |  |  |  | YES |  |
| MON 400.2 | P |  |  |  |  | YES |  |
| MON 400.3 | F |  |  |  |  | YES |  |
| MON 400.4 | F |  |  |  |  | YES |  |
| MON 400.5 | G |  |  |  |  | YES |  |
| MON 400.6 | F |  |  |  |  | YES |  |
| MON 400.7 | G |  |  |  |  | YES |  |
| MON 400.8 | F |  |  |  |  | YES |  |
| MON 400.9 | P |  |  |  |  | YES |  |
| MON 400.10 | P |  |  |  |  | YES |  |
| MON 400.11 | F |  |  |  |  | YES |  |
| MON 400.12 | G |  |  |  |  | YES | S |
| MON 400.13 | G |  |  |  |  | YES | S |
| MON 400.14 | G |  |  |  |  | YES | S |
| MON 400.15 | P |  |  |  |  | YES | S |
| MON 400.16 | P |  |  |  |  | YES | S |
| MON 400.17 | P |  |  |  |  | YES | S |
| MON 400.18 | F |  |  |  |  | YES | S |
| MON 400.19 | F |  |  |  |  | YES | S |
| MON 400.20 | P |  |  |  |  | YES | S |
| MON 400.21 | F |  |  |  |  | YES | S |
| MON 401 | G |  |  |  |  | YES | S |
| MON 401.1 | F |  |  |  |  | YES | S |
| MON 401.2 | G |  |  |  |  | YES | S |
| MON 401.3 | F |  |  |  |  | YES | S |
| MON 401.4 | G |  |  |  |  | YES | S |
| MON 401.5 | G |  |  |  |  | YES | S |
| MON 401.6 | G |  |  |  |  | YES | S |
| MON 401.7 | G |  |  |  |  | YES | S |
| MON 401.8 | F |  |  |  |  | YES | S |
| MON 401.9 | D |  |  |  |  | YES | S |
| MON 401.10 | P |  |  |  |  | YES | S |
| MON 401.11 | G |  |  |  |  | YES | S |
| MON 401.12 | G |  |  |  |  | YES | S |
| MON 401.13 | G |  |  |  |  | YES | S |
| RM 402 | NR |  |  |  |  | NO |  |
| MON 402 | G |  |  |  |  | YES | S |
| MON 402.1 | G |  |  |  |  | YES | S |
| MON 402.2 | G |  |  |  |  | YES | S |
| MON 402.3 | G |  |  |  |  | YES |  |
| MON 402.4 | G |  |  |  |  | YES |  |
| MON 402.5 | G |  |  |  |  | YES |  |
| MON 402.6 | G |  |  |  |  | YES |  |
| MON 402.7 | G |  |  |  |  | YES |  |

International Boundary Commission
Joint Annual Report 2017
Highlands N.E. Section
(Quebec/Maine)

| Boundary Monument <br> Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 402.8 | G |  |  |  |  | YES |  |
| MON 402.9 | G | R |  |  |  | YES |  |
| MON 402.10 | G |  |  |  |  | YES |  |
| MON 402.11 | G |  |  |  |  | YES |  |
| MON 402.12 | G |  |  |  |  | YES |  |
| MON 402.13 | G |  |  |  |  | YES |  |
| MON 402.14 | G |  |  |  |  | YES |  |
| MON 402.15 | G |  |  |  |  | YES |  |
| MON 402.16 | F |  |  |  |  | YES |  |
| MON 403 | F | R |  |  |  | YES |  |
| MON 403.1 | G |  |  |  |  | YES |  |
| MON 403.2 | F |  |  |  |  | YES |  |
| MON 403.3 | F |  |  |  |  | YES |  |
| MON 403.8 | G | R |  |  |  | YES |  |
| MON 403.9 | G | R |  |  |  | YES |  |
| MON 404.9 | G | R |  |  |  | YES |  |
| MON 404.10 | G |  |  |  |  | YES |  |
| MON 404.11 | G |  |  |  |  | YES |  |
| MON 404.12 | G |  |  |  |  | YES |  |
| MON 404.13 | G |  |  |  |  | YES |  |
| MON 404.14 | G |  |  |  |  | YES |  |
| MON 404.15 | F |  |  |  |  | YES |  |
| MON 404.16 | G |  |  |  |  | YES |  |
| MON 404.17 | G | R |  |  |  | YES |  |
| MON 404.18 | G |  |  |  |  | YES |  |
| MON 404.19 | G |  |  |  |  | YES |  |
| MON 404.20 | G |  |  |  |  | YES |  |
| MON 404.21 | G |  |  |  |  | YES |  |
| MON 404.22 | G |  |  |  |  | YES |  |
| MON 404.23 | P |  |  |  |  | YES |  |
| MON 404.24 | F |  |  |  |  | YES |  |
| MON 404.25 | G |  |  |  |  | YES |  |
| MON 404.26 | P |  |  |  |  | YES |  |
| MON 404.27 | G |  |  |  |  | YES |  |

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

| Boundary Monument <br> Type \& Number | Reconnaissance |  | Established | Repairs | Painted | Description | PhotoMonument <br> Surveyed |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 405 | G | R |  |  |  | YES |  |  |
| MON 429B | F |  |  |  |  | YES |  |  |
| MON 429.7 | G |  |  |  |  | YES |  |  |

## International Boundary Commission

Joint Annual Report 2017
Highlands S.W. Section
(Quebec/Maine, New Hampshire)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 429.8 | G |  |  |  |  | YES |  |
| MON 430 | F |  |  |  |  | YES |  |
| MON 430.1 | G |  |  |  |  | YES |  |
| MON 430.2 | G |  |  |  |  | YES |  |
| MON 430.3 | G |  |  |  |  | YES |  |
| MON 430.4 | G |  |  |  |  | YES |  |
| MON 430.5 | G |  |  |  |  | YES |  |
| MON 430.6 | F |  |  |  |  | YES |  |
| MON 430.7 | G |  |  |  |  | YES |  |
| MON 430.8 | G |  |  |  |  | YES |  |
| MON 431.6 | G |  |  |  |  | YES |  |
| MON 431.7 | P |  |  |  |  | YES |  |
| MON 432 | G |  |  |  |  | YES |  |
| MON 432.1 | G |  |  |  |  | YES |  |
| MON 432.2 | G |  |  |  |  | YES |  |
| MON 432.3 | G |  |  |  |  | YES |  |
| MON 432.4 | F |  |  |  |  | YES |  |
| MON 432.5 | G |  |  |  |  | YES |  |
| MON 432.6 | G |  |  |  |  | YES |  |
| MON 432.7 | G |  |  |  |  | YES |  |
| MON 432.8 | G |  |  |  |  | YES |  |
| MON 432.9 | G |  |  |  |  | YES |  |
| MON 432.10 | P |  |  |  |  | YES |  |
| MON 432.11 | G |  |  |  |  | YES |  |
| MON 434.11 | G |  |  |  |  | YES |  |
| MON 434.12 | G |  |  |  |  | YES |  |
| MON 434.13 | G |  |  |  |  | YES |  |
| MON 435 | G |  |  |  |  | YES |  |
| MON 435.1 | G |  |  |  |  | YES |  |
| MON 435.2 | G |  |  |  |  | YES |  |
| MON 435.3 | G |  |  |  |  | YES |  |
| MON 435.4 | G |  |  |  |  | YES |  |
| MON 464 | G |  |  |  |  | YES |  |
| MON 464.1 | F |  |  |  |  | YES |  |
| MON 464.2 | G |  |  |  |  | YES |  |
| MON 464.3 | G |  |  |  |  | YES |  |
| MON 464.4 | G |  |  |  |  | YES |  |
| MON 464.5 | G |  |  |  |  | YES |  |
| MON 464.6 | G |  |  |  |  | YES |  |
| MON 464.7 | G |  |  |  |  | YES |  |
| MON 464.8 | G |  |  |  |  | YES |  |
| MON 464.9 | G |  |  |  |  | YES |  |
| MON 464.10 | G |  |  |  |  | YES |  |
| MON 465 | G |  |  |  |  | YES |  |
| MON 465.1 | G |  |  |  |  | YES |  |

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

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 465.2 | G |  |  |  |  | YES |  |
| MON 465.2A | G |  |  |  |  | YES |  |
| MON 465.2B | F |  |  |  |  | YES |  |
| MON 465.3 | G |  |  |  |  | YES |  |
| MON 465.4 | G |  |  |  |  | YES |  |
| MON 465.5 | G |  |  |  |  | YES |  |
| MON 465.5A | G |  |  |  |  | YES |  |
| MON 465.6 | G |  |  |  |  | YES |  |
| MON 465.7 | G |  |  |  |  | YES |  |
| MON 465.8 | G |  |  |  |  | YES |  |
| MON 465.9 | G |  |  |  |  | YES |  |
| MON 465.10 | G |  |  |  |  | YES |  |
| MON 465.11 | G |  |  |  |  | YES |  |
| MON 465.12 | G |  |  |  |  | YES |  |
| MON 465.13 | G |  |  |  |  | YES |  |
| MON 465.14 | G |  |  |  |  | YES |  |
| MON 465.15 | G |  |  |  |  | YES |  |
| MON 465.16 | G |  |  |  |  | YES |  |
| MON 466 | G |  |  |  |  | YES |  |
| MON 466.1 | G |  |  |  |  | YES |  |
| MON 466.2 | G |  |  |  |  | YES |  |
| MON 466.3 | G |  |  |  |  | YES |  |
| MON 466.4 | G |  |  |  |  | YES |  |
| MON 484 (WEST POST) | G |  |  | MP |  | YES |  |
| MON 484A | P |  |  | MP |  | YES |  |

Halls Stream
(Quebec/New Hampshire)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON TP467 | G |  |  |  |  | YES |  |
| MON TP468 | G |  |  |  |  | YES |  |
| MON TP469 | G |  |  |  |  | YES |  |
| MON TP470 | G |  |  |  |  | YES |  |
| MON TP471 | G |  |  |  |  | YES |  |
| MON TP472 | G |  |  |  |  | YES |  |
| MON TP473 | G |  |  |  |  | YES |  |
| MON TP474 | G |  |  |  |  | YES |  |
| MON TP475 | G |  |  |  |  | YES |  |
| MON TP476 | G |  |  |  |  | YES |  |
| MON TP477 | G |  |  |  |  | YES |  |
| MON 478 | NR |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017
Halls Stream
(Quebec/New Hampshire)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 479 | G |  |  |  |  | YES |  |
| MON 480 | G |  |  |  |  | YES |  |
| MON 481 | G |  |  |  |  | YES |  |
| MON 482 | G |  |  |  |  | YES |  |
| MON 483 | G |  |  |  |  | NO |  |
| MON 484 | NR |  |  |  |  | NO |  |
| MON 485 | G |  |  |  |  | YES |  |
| MON TP486 | G |  |  |  |  | YES |  |
| MON TP487 | G |  |  |  |  | YES |  |
| MON TP488 | NR |  |  |  |  | NO |  |
| MON TP489 | NR |  |  |  |  | NO |  |
| MON TP491 | NR |  |  |  |  | NO |  |
| MON TP492 | G |  |  |  |  | YES |  |
| MON 525A | G |  |  |  |  | YES |  |
| MON TP526 | G |  |  |  |  | YES |  |
| MON TP527 | G |  |  |  |  | YES |  |
| MON TP528 | G |  |  |  |  | NO |  |
| MON TP531 | G |  |  |  |  | NO |  |
| MON TP532 | G |  |  |  |  | YES |  |
| MON TP533 | G |  |  |  |  | YES |  |
| MON TP535 | G |  |  |  |  | YES |  |
| MON TP536 | G |  |  |  |  | YES |  |
| MON TP537 | G |  |  |  |  | YES |  |
| MON TP538 | G |  |  |  |  | YES |  |
| MON TP539 | NR |  |  |  |  | NO |  |
| MON TP544 | D |  |  |  |  | YES |  |
| MON TP545 | G |  |  |  |  | YES |  |
| MON TP546 | G |  |  |  |  | YES |  |
| MON TP547 | G |  |  |  |  | YES |  |
| MON TP548 | NR |  |  |  |  | NO |  |
| MON TP549 | G |  |  |  |  | YES |  |
| MON TP550 | G |  |  |  |  | YES |  |
| MON TP551 | D |  |  |  |  | NO |  |
| MON TP552 | G |  |  |  |  | YES |  |
| MON TP554 | D |  |  |  |  | YES |  |
| MON TP555 | G |  |  |  |  | YES |  |
| MON TP556 | G |  |  |  |  | YES |  |
| MON TP557 | NR |  |  |  |  | NO |  |
| MON TP558 | G |  |  |  |  | YES |  |
| MON TP562 | G |  |  |  |  | YES |  |
| MON TP563 | NR |  |  |  |  | NO |  |
| MON TP564 | G |  |  |  |  | YES |  |
| MON TP565 | G |  |  |  |  | YES |  |
| MON TP566 | G |  |  |  |  | YES |  |
| MON TP567 | NR |  |  |  |  | NO |  |

# International Boundary Commission 

Joint Annual Report 2017
Halls Stream
(Quebec/New Hampshire)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON TP571 | NR |  |  |  |  | NO |  |
| MON TP572 | F |  |  |  |  | YES |  |
| MON TP573 | G |  |  |  |  | YES |  |
| MON TP574 | G |  |  |  |  | YES |  |
| MON TP575 | G |  |  |  |  | YES |  |
| MON 580 | G |  |  |  |  | YES |  |
| MON 581 | G |  |  |  |  | YES |  |
| MON TP582 | G |  |  |  |  | YES |  |
| MON 583 | G |  |  |  |  | YES |  |
| MON 584 | G |  |  |  |  | YES |  |
| MON 585 | G |  |  |  |  | YES |  |
| MON 586 | G |  |  |  |  | YES |  |
| MON 595 | G |  |  |  |  | YES |  |
| MON 596 | G |  |  |  |  | YES |  |
| MON 597 | G |  |  |  |  | YES |  |
| MON 598 | G |  |  |  |  | YES |  |
| MON 599 | G |  |  |  |  | YES |  |
| MON 600 | G |  |  |  |  | YES |  |
| MON 601 | G |  |  |  |  | YES |  |
| MON 602 | G |  |  |  |  | YES |  |
| MON 603 | G |  |  |  |  | YES |  |
| MON 603A | D |  |  |  |  | YES |  |
| MON 608A | D |  |  |  |  | YES |  |
| MON TP609 | G |  |  |  |  | YES |  |
| MON TP610 | G |  |  |  |  | YES |  |
| MON TP611 | G |  |  |  |  | YES |  |
| MON TP612 | D |  |  |  |  | NO |  |
| MON 613A | D |  |  |  |  | YES |  |
| MON TP614 | G |  |  |  |  | YES |  |
| MON 614A | G |  |  |  |  | YES |  |
| RM 512 | P |  |  | MP |  | NO |  |

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

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 518 | G |  |  | MP |  | YES |  |
| MON 518A | G |  |  | MP |  | YES |  |
| MON 519AA | G |  |  | MP |  | YES |  |
| MON 519A | P |  |  | MP | DU | YES |  |
| MON 519A2 | G |  |  | MP |  | YES |  |
| MON 519A3 | G |  |  | MP |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
West Line (QC/VT)
(Quebec/New Hampshire, Vermont)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 519A4 | G |  |  | MP |  | YES |  |
| MON 520 | G |  |  | MP |  | YES |  |
| MON 520A | G |  |  | MP |  | YES |  |
| MON 521 | G |  |  | MP |  | YES |  |
| MON 521A | G |  |  | MP |  | YES |  |
| MON 522 | G |  |  | MP |  | YES |  |
| MON 522A | G |  |  | MP |  | YES |  |
| MON 522A1 | G |  |  | MP |  | YES |  |
| MON 522A2 | NR |  |  |  |  | NO |  |
| MON 522A3 | G |  |  | MP |  | YES |  |
| MON 523 | G |  |  | MP |  | YES |  |
| MON 523A | G |  |  | MP |  | YES |  |
| MON 524 | G |  |  | MP |  | YES |  |
| MON 525 | G |  |  | MP |  | YES |  |
| MON 525A | G |  |  | MP |  | YES |  |
| MON 525B | G |  |  | MP |  | YES |  |
| MON 526 | P |  |  | MP | DU | YES |  |
| MON 527A | G |  |  | MP |  | YES |  |
| MON 527A2 | G |  |  | MP |  | YES |  |
| MON 528 | G |  |  | MP |  | YES |  |
| MON 529 | G |  |  | MP |  | YES |  |
| MON 530 | G |  |  | MP |  | YES |  |
| MON 531 | G |  |  | MP |  | YES |  |
| MON 531A | G |  |  | MP |  | YES |  |
| MON 531B | G |  |  | MP | DU | YES |  |
| MON 532 | G |  |  | MP |  | YES |  |
| MON 533 | G |  |  | MP |  | YES |  |
| MON 534 | G |  |  | MP |  | YES |  |
| MON 534A | G |  |  | MP |  | YES |  |
| MON 534B | G |  |  | MP |  | YES |  |
| MON 535 | G |  |  | MP |  | YES |  |
| MON 535AAA | G |  |  | MP |  | YES |  |
| MON 535A | NR |  |  |  |  | NO |  |
| MON 535AA | G |  |  | MP |  | YES |  |
| MON 535AB | F |  |  | MP | DU | YES |  |
| MON 535B | G |  |  | MP |  | YES |  |
| MON 535C | G |  |  | MP |  | YES |  |
| MON 535C1 | G |  |  | MP |  | YES |  |
| MON 535D | G |  |  | MP |  | YES |  |
| MON 535E | G |  |  | MP |  | YES |  |
| MON 535F | P |  |  | MP | DU | YES |  |
| MON 536 | G |  |  | MP |  | YES |  |
| MON 537 | G |  |  | MP |  | YES |  |
| MON 538 | G |  |  | MP |  | YES |  |
| MON 538A | G |  |  | MP |  | YES |  |

International Boundary Commission
Joint Annual Report 2017
West Line (QC/VT)
(Quebec/New Hampshire, Vermont)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 538B | G |  |  | MP |  | YES |  |
| MON 538C | G |  |  | MP |  | YES |  |
| MON 539 | G |  |  | MP |  | YES |  |
| MON 539A | G |  |  | MP |  | YES |  |
| MON 540 | P |  |  | MP | DU | YES |  |
| MON 540A | F |  |  | MP | DU | YES |  |
| MON 541 | F |  |  | MP | DU | YES |  |
| MON 542 | P |  |  | MP | DU | YES |  |
| MON 543 | G |  |  | MP |  | YES |  |
| MON 544 | P | R |  | MP | DU | YES | S |
| MON 544B | G | NM |  |  | DU | YES | S |
| MON 544A | G | NM |  |  | DU | YES | S |
| MON 545 | G | R |  | MP | DU | YES | S |
| MON 545A | F |  | MI | MP | DU | YES |  |
| MON 546 | G |  |  | MP |  | YES |  |
| MON 546A | F |  |  | MP | DU | YES |  |
| MON 547 | P | R |  | MP | DU | YES | S |
| MON 548 | G |  |  | MP |  | YES |  |
| MON 548A | G |  |  | MP |  | YES |  |
| MON 548B | F |  |  | MP | DU | YES |  |
| MON 549 | G |  |  | MP |  | YES |  |
| MON 549A | P |  |  | MP | DU | YES |  |
| MON 550 | G |  |  | MP |  | YES |  |
| MON 551 | P |  |  | MP | DU | YES |  |
| MON 551A-35 | G |  |  | MP |  | YES | S |
| MON 551A1 | G |  |  | MP |  | YES |  |
| MON 551A2 | G |  |  | MP |  | YES |  |
| MON 551A3 | G |  |  | MP |  | YES |  |
| MON 551B | P |  |  | MP | DU | YES |  |
| MON 552A | P | R |  | MP | DU | YES | S |
| MON 553-00 | F |  |  | MP | DU | YES |  |
| MON 553A | G |  |  | MP |  | YES |  |
| MON 554W | G |  |  | MP |  | YES |  |
| MON 554A | D |  |  |  | DU | YES |  |
| MON 555 | P |  |  | MP | DU | YES |  |
| MON 555A | F |  |  | MP | DU | YES |  |
| MON 555B | G |  |  | MP |  | YES |  |
| MON 556A | G |  |  | MP |  | YES |  |
| MON 557 | G |  |  | MP |  | YES |  |
| MON 557A | G |  |  | MP |  | YES |  |
| MON 558 | G |  |  | MP |  | YES |  |
| MON 558A | G |  |  | MP |  | YES |  |
| MON 560 | G |  |  | MP | DU | YES | S |
| MON 560A | F |  |  | MP | DU | YES |  |
| MON 561 | NR |  |  |  |  | NO |  |

International Boundary Commission
Joint Annual Report 2017
West Line (QC/VT)
(Quebec/New Hampshire, Vermont)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 562 | G |  |  | MP |  | YES |  |
| MON 562A | G |  |  | MP |  | YES |  |
| MON 563 | F |  |  | MP | DU | YES |  |
| MON 563A | G |  |  | MP |  | YES |  |
| MON 564 | G |  |  | MP |  | YES |  |
| MON 564A | G |  |  | MP |  | YES |  |
| MON 565 | G |  |  | MP |  | YES |  |
| MON 565A | G |  |  | MP |  | YES |  |
| MON 565B | G |  |  | MP |  | YES |  |
| MON 566 | P |  |  | MP | DU | YES |  |
| MON 567 | F |  |  | MP | DU | YES |  |
| MON 568 | G |  |  | MP |  | YES |  |
| MON 569 | G |  |  | MP |  | YES |  |
| MON 570 | P |  |  | MP | DU | YES | S |
| MON 572 | F |  |  | MP | DU | YES |  |
| MON 572A | G |  |  | MP |  | YES |  |
| MON 573-99 | G |  |  | MP |  | YES |  |
| MON 573A | P |  |  | MP | DU | YES |  |
| MON 573B | P |  |  | MP | DU | YES |  |
| MON 574 | P |  |  | MP | DU | YES |  |
| MON 574A | F |  |  | MP | DU | YES |  |
| MON 575 | G |  |  | MP |  | YES |  |
| MON 575A | F |  |  | MP | DU | YES |  |
| MON 576 | P |  |  | MP | DU | YES |  |
| MON 577 | G |  |  | MP |  | YES |  |
| MON 578 | G |  |  | MP |  | YES |  |
| MON 579 | P |  |  | MP | DU | YES |  |
| MON 580 | P |  |  | MP | DU | YES |  |
| MON 580A | G |  |  | MP |  | YES |  |
| MON 581 | P |  |  | MP | DU | YES |  |
| MON 581A | F |  |  | MP | DU | YES |  |
| MON 581B | F |  |  | MP | DU | YES |  |
| MON 582 | P |  |  | MP | DU | YES |  |
| MON 582A | F |  |  | MP | DU | YES |  |
| MON 583 | F |  |  | MP | DU | YES |  |
| MON 584 | F |  |  | MP | DU | YES |  |
| MON 584A | G |  |  | MP |  | YES |  |
| MON 585 | G |  |  | MP |  | YES |  |
| MON 586 | G |  |  | MP | DU | YES |  |
| MON 587 | G |  |  | MP |  | YES |  |
| MON 587A | G |  |  | MP |  | YES |  |
| MON 587B | G |  |  | MP |  | YES |  |
| MON 588 | G |  |  | MP |  | YES |  |
| MON 588A | F |  |  | MP | DU | YES |  |
| MON 588B | F |  |  | MP | DU | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
West Line (QC/VT)
(Quebec/New Hampshire, Vermont)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 589 | G |  |  | MP |  | YES |  |
| MON 590 | G |  |  | MP |  | YES |  |
| MON 591 | F |  |  | MP | DU | YES |  |
| MON 591A | P |  |  | MP | DU | YES |  |
| MON 591B | P |  |  | MP | DU | YES |  |
| MON 592 | P |  |  | MP | DU | YES |  |
| MON 592A | F |  |  | MP | DU | YES |  |
| MON 592B | G |  |  | MP |  | YES |  |
| MON 593 | G |  |  | MP |  | YES |  |
| MON 593A | G |  |  | MP |  | YES |  |
| MON 593B | G |  |  | MP |  | YES |  |
| MON 594 | G |  |  | MP |  | YES |  |
| MON 594A | P |  |  | MP | DU | YES |  |
| MON 594B | G |  |  | MP |  | YES |  |
| MON 594C | G |  |  | MP |  | YES |  |
| MON 594D | G |  |  | MP |  | YES |  |
| MON 595 | F |  |  | MP | DU | YES |  |
| MON 596 | P | R |  |  | DU | YES |  |
| MON 596A | P |  |  | MP | DU | YES |  |
| MON 596B | G |  | MI | MP | DU | YES |  |
| MON 597 | F |  |  | MP | DU | YES |  |
| MON 597A | G |  |  | MP |  | YES |  |
| MON 597B | F |  |  | MP | DU | YES |  |
| MON 598 | G |  |  | MP |  | YES |  |
| MON 598A | F |  |  | MP | DU | YES |  |
| MON 599 | P |  |  | MP | DU | YES |  |
| MON 599A | G |  |  | MP |  | YES |  |
| MON 599B | G |  |  | MP |  | YES |  |
| MON 600 | NR |  |  |  |  | NO |  |
| MON 600A | G |  |  | MP |  | YES |  |
| MON 601 | G |  |  | MP |  | YES |  |
| MON 601A | F |  |  | MP | DU | YES |  |
| MON 602 | F |  |  | MP | DU | YES |  |
| MON 603 | F |  |  | MP | DU | YES |  |
| MON 603A | G |  |  | MP |  | YES |  |
| MON 604 | F |  |  | MP | DU | YES |  |
| MON 605 | G |  |  | MP |  | YES |  |
| MON 605A | G |  |  | MP |  | YES |  |
| MON 605B-99 | P |  |  | MP | DU | YES |  |
| MON 606 | G |  |  | MP |  | YES |  |
| MON 606A | P |  |  | MP | DU | YES |  |
| MON 607 | F |  |  | MP | DU | YES |  |
| MON 608 | G |  |  | MP |  | YES |  |
| MON 608A | G |  |  | MP |  | YES |  |
| MON 608B | G |  |  | MP |  | YES |  |

# International Boundary Commission 

Joint Annual Report 2017
West Line (QC/VT)
(Quebec/New Hampshire, Vermont)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 608C | F |  |  | MP | DU | YES |  |
| MON 609 | F |  |  | MP | DU | YES |  |
| MON 609A | G |  |  | MP |  | YES |  |
| MON 610 | P |  |  | MP | DU | YES |  |
| MON 611-59 | G |  |  | MP |  | YES |  |
| MON 611A | G |  |  | MP |  | YES |  |
| MON 612 | G |  |  | MP | DU | YES |  |
| MON 613 | G |  |  | MP |  | YES |  |
| MON 614 | G |  |  | MP |  | YES |  |
| MON 614A | F |  |  | MP | DU | YES |  |
| MON 614B | G |  |  | MP |  | YES |  |
| MON 614C | G |  |  | MP |  | YES |  |
| MON 614D | G |  |  | MP |  | YES |  |
| MON 615 | G |  |  | MP |  | YES |  |
| MON 616 | G |  |  | MP |  | YES |  |
| MON 616A | G |  |  | MP |  | YES |  |
| MON 616B | G |  |  | MP |  | YES |  |
| MON 616C | G |  |  | MP |  | YES |  |
| MON 617 | G |  |  | MP |  | YES |  |
| MON 618 | G |  |  | MP |  | YES |  |
| MON 618A | G |  |  | MP |  | YES |  |
| MON 618B | P |  |  | MP | DU | YES |  |
| MON 619 | G |  |  | MP |  | YES |  |
| MON 619A | G |  |  | MP |  | YES |  |
| MON 619B | P |  |  | MP | DU | YES |  |
| MON 620 | G |  |  | MP |  | YES |  |
| MON 620A | G |  |  | MP |  | YES |  |
| MON 620B | P |  |  | MP | DU | YES |  |
| MON 621 | G |  |  | MP |  | YES |  |
| MON 621W | G |  |  | MP |  | YES |  |
| MON 621A | F |  |  | MP | DU | YES |  |
| MON 621B | F |  |  | MP | DU | YES |  |
| MON 622 | F |  |  | MP | DU | YES |  |
| MON 622A | G |  |  | MP |  | YES |  |
| MON 623 | G |  |  | MP |  | YES |  |
| MON 624 | G |  |  | MP |  | YES |  |
| MON 625 | G |  |  | MP |  | YES |  |
| MON 625A | G |  |  | MP |  | YES |  |
| MON 625B | G |  |  | MP |  | YES |  |
| MON 625C | G |  |  | MP |  | YES |  |
| MON 626 | F |  |  | MP | DU | YES |  |
| MON 626A | G |  |  | MP |  | YES |  |
| MON 627 | G |  |  | MP |  | YES |  |
| MON 627A | G |  |  | MP |  | YES |  |
| MON 628 | G |  |  | MP |  | YES |  |

International Boundary Commission
Joint Annual Report 2017
West Line (QC/VT)
(Quebec/New Hampshire, Vermont)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 629 | P |  |  | MP | DU | YES |  |
| MON 629A | G |  |  | MP |  | YES |  |
| MON 629B | G |  |  | MP |  | YES |  |
| MON 629C | G |  |  | MP |  | YES |  |
| MON 629D | G |  |  | MP |  | YES |  |
| MON 629E | G |  |  | MP |  | YES |  |
| MON 629E1 | G |  |  | MP |  | YES |  |
| MON 629F | G |  |  | MP |  | YES |  |
| MON 630AA | G |  |  | MP |  | YES |  |
| MON 630A | G |  |  | MP |  | YES |  |
| MON 630B | G |  |  | MP |  | YES |  |
| MON 631 | G |  |  | MP |  | YES |  |

## Lake Superior to Rainy River

(Ontario/Minnesota)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 357 | F |  | MI | MP | DU | YES |  |
| RM 361 | F |  | MI | MP | DU | YES |  |
| RM 365 | F |  | MI | MP | DU | YES |  |
| RM 375 | F |  | MI | MP | DU | YES |  |
| RM 376 | F |  | Ml | MP | DU | YES |  |
| RM 383 | F |  | MI | MP | DU | YES |  |
| RM 388 | F |  | MI | MP | DU | YES |  |
| RM 413-17 | G | NM |  | MP | DU | YES |  |
| RM 422 | F |  | MI | MP | DU | YES |  |
| RM 423 | F |  | Ml | MP | DU | YES |  |
| RM 425-17 | G | NM |  | MP | DU | YES |  |
| RM 428-17 | G | NM |  | MP | DU | YES |  |
| RM 437-17 | G | NM |  | MP | DU | YES |  |
| RM 440-17 | G | NM |  | MP | DU | YES |  |
| RM 441-17 | G | NM |  | MP | DU | YES |  |
| RM 442-17 | G | NM |  | MP | DU | YES |  |
| RM 445-17 | G | NM |  | MP | DU | YES |  |
| RM 451 | F |  | MI | MP | DU | YES |  |
| RM 458 | F |  | MI | MP | DU | YES |  |
| RM 463 | F |  | MI | MP | DU | YES |  |
| RM 464 | F |  | MI | MP | DU | YES |  |
| RM 472 | F |  | MI | MP | DU | YES |  |
| RM 502 | F |  | MI | MP | DU | YES |  |
| RM 508 | F |  | MI | MP | DU | YES |  |
| RM 513 | P |  | MA | MP | DU | YES |  |

## Lake Superior to Rainy River

 (Ontario/Minnesota)| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 518 | F |  | MI | MP | DU | YES |  |
| RM 540 | F |  | MI | MP | DU | YES |  |
| RM 554 | F |  | MI | MP | DU | YES |  |
| RM 569 | F |  | MI | MP | DU | YES |  |
| RM 576 | F |  | MI | MP | DU | YES |  |
| RM 578 | F |  | MI | MP | DU | YES |  |
| RM 580 | F |  | MI | MP | DU | YES |  |
| RM 584 | F |  | MI | MP | DU | YES |  |
| RM 585 | F |  | MI | MP | DU | YES |  |
| RM 590 | F |  | MI | MP | DU | YES |  |
| RM 594 | F |  | MI | MP | DU | YES |  |
| RM 595 | F |  | MI | MP | DU | YES |  |
| RM 598 | F |  | MI | MP | DU | YES |  |
| RM 599 | F |  | MI | MP | DU | YES |  |
| RM 602 | F |  | MI | MP | DU | YES |  |
| RM 607 | F |  | MI | MP | DU | YES |  |
| RM 606 | F |  | MI | MP | DU | YES |  |
| RM 619 | G |  |  | MP | DU | YES |  |
| RM 624 | F |  | MI | MP | DU | YES |  |
| RM 628 | F |  | MI | MP | DU | YES |  |
| RM 645 | F |  | MI | MP | DU | YES |  |
| RM 648 | F |  | MI | MP | DU | YES |  |
| RM 652 | F |  | MI | MP | DU | YES |  |
| RM 654 | F |  | MI | MP | DU | YES |  |
| RM 656 | P |  | MA | MP | DU | YES |  |
| RM 679 | F |  | MI | MP | DU | YES |  |
| RM 722 | F |  | MI | MP | DU | YES |  |
| RM 734 | G |  |  | MP | DU | YES |  |
| RM 758 | F |  | MI | MP | DU | YES |  |
| RM 764 | G |  |  | MP | DU | YES |  |
| RM 766 | P |  | MA | MP | DU | YES |  |
| RM 775 | G |  |  | MP | DU | YES |  |
| RM 796 | G |  |  | MP | DU | YES |  |
| RM 810 | F |  | MI | MP | DU | YES |  |
| RM 844 | F |  | MI | MP | DU | YES |  |
| RM 845 | F |  | MI | MP | DU | YES |  |
| RM 847 | F |  | MI | MP | DU | YES |  |
| RM 849 | F |  | MI | MP | DU | YES |  |
| RM 850 | G |  |  | MP | DU | YES |  |
| RM 851 | NR |  |  |  | DU | NO |  |
| RM 852 | G |  |  | MP | DU | YES |  |
| RM 854 | G |  |  | MP | DU | YES |  |
| RM 863 | F |  | MI | MP | DU | YES |  |
| RM 865 | F |  | MI | MP | DU | YES |  |
| RM 872 | G |  |  | MP | DU | YES |  |

## Lake Superior to Rainy River

 (Ontario/Minnesota)| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 879 | NR |  |  |  | DU | NO |  |
| RM 895 | P |  |  | MP | DU | YES |  |
| RM 898 | P |  | MA | MP | DU | YES |  |
| RM 901 | F |  | MI | MP | DU | YES |  |
| RM 902 | F |  | MI | MP | DU | YES |  |
| RM 903 | F |  | MI | MP | DU | YES |  |
| RM 907 | F |  | MI | MP | DU | YES |  |
| RM 915 | F |  | MI | MP | DU | YES |  |
| RM 918 | F |  | MI | MP | DU | YES |  |
| RM 929 | F |  | MI | MP | DU | YES |  |
| RM 926 | G |  |  | MP | DU | YES |  |
| RM 935 | G |  |  | MP | DU | YES |  |
| RM 937 | F |  | MI | MP | DU | YES |  |
| RM 936 | F |  | MI | MP | DU | YES |  |
| RM 939 | F |  | MI | MP | DU | YES |  |
| RM 938 | P |  |  | MP | DU | YES |  |
| RM 941 | F |  | MI | MP | DU | YES |  |
| RM 943 | P |  | MA | MP | DU | YES |  |
| RM 945 | P |  |  | MP | DU | YES |  |
| RM 949 | NR |  |  |  | DU | NO |  |
| RM 952 | G |  |  | MP | DU | YES |  |
| RM 955 | F |  | MI | MP | DU | YES |  |
| RM 956 | P |  | MA | MP | DU | YES |  |
| RM 962 | F |  |  |  | DU | YES |  |
| RM 964 | NR |  |  |  | DU | NO |  |
| RM 972 | F |  | MI | MP | DU | YES |  |
| RM 977 | F |  | MI | MP | DU | YES |  |
| RM 978 | P |  |  |  | DU | YES |  |
| RM 980 | NR |  |  |  | DU | NO |  |
| RM 984 | NR |  |  |  | DU | NO |  |
| RM 991 | G |  |  | MP | DU | YES |  |
| RM 1010 | F |  | MI | MP | DU | YES |  |
| RM 1015 | F |  | MI | MP | DU | YES |  |
| RM 1014 | F |  | MI | MP | DU | YES |  |
| RM 1035 | G |  |  |  | DU | YES |  |
| RM 1037 | NR |  |  |  | DU | NO |  |
| RM 1059 | NR |  |  |  | DU | NO |  |
| RM 1073 | P |  |  |  | DU | YES |  |
| RM 1066 | G |  |  | MP | DU | YES |  |
| RM 1077 | G |  |  | MP | DU | YES |  |
| RM 1079 | G |  |  | MP | DU | YES |  |
| RM 1081 | G |  |  | MP | DU | YES |  |
| RM 1072 | G |  |  | MP | DU | YES |  |
| RM 1068 | G |  |  | MP | DU | YES |  |
| RM 1097 | NR |  |  |  | DU | NO |  |

# International Boundary Commission 

Joint Annual Report 2017

## Lake Superior to Rainy River

 (Ontario/Minnesota)| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 1108 | NR |  |  |  | DU | NO |  |
| RM 1112 | F |  | MI | MP | DU | YES |  |
| RM 1114 | P |  |  |  | DU | YES |  |
| RM 1116 | NR |  |  |  | DU | NO |  |
| RM 1122 | P |  |  |  | DU | YES |  |
| RM 1128 | G |  |  | MP | DU | YES |  |
| RM 1131 | F |  | MI | MP | DU | YES |  |
| RM 1137 | P |  | MA | MP | DU | YES |  |
| RM 1144 | P |  |  |  | DU | YES |  |
| RM 1146 | P |  |  |  | DU | YES |  |
| RM 1148 | P |  |  |  | DU | YES |  |
| RM 1151 | NR |  |  |  | DU | NO |  |
| RM 1152 | P |  |  |  | DU | YES |  |
| RM 1160 | F |  |  |  | DU | YES |  |
| RM 1168 | P |  | MA | MP | DU | YES |  |
| RM 1198 | P |  | MA | MP | DU | YES |  |
| RM 1202 | F |  |  |  | DU | YES |  |
| RM 1211 | G |  |  | MP | DU | YES |  |
| RM 1206 | G |  |  | MP | DU | YES |  |
| RM 1217 | F |  | MI | MP | DU | YES |  |
| RM 1223 | P |  |  |  | DU | YES |  |
| RM 1225 | G |  |  | MP | DU | YES |  |
| RM 1227 | P |  |  |  | DU | YES |  |
| RM 1220 | F |  |  |  | DU | YES |  |
| RM 1229 | P |  |  |  | DU | YES |  |
| RM 1231 | P |  |  |  | DU | YES |  |
| RM 1222 | F |  | MI | MP | DU | YES |  |
| RM 1235 | P |  |  |  | DU | YES |  |
| RM 1239 | P |  |  |  | DU | YES |  |
| RM 1224 | P |  |  |  | DU | YES |  |
| RM 1241 | P |  |  |  | DU | YES |  |
| RM 1226 | F |  |  |  | DU | YES |  |
| RM 1243 | P |  |  |  | DU | YES |  |
| RM 1228 | P |  |  |  | DU | YES |  |
| RM 1247 | F |  |  |  | DU | YES |  |
| RM 1234 | P |  |  |  | DU | YES |  |
| RM 1236 | P |  |  |  | DU | YES |  |
| RM 1249 | P |  |  |  | DU | YES |  |
| RM 1257 | NR |  |  |  | DU | NO |  |
| RM 1261 | NR |  |  |  | DU | NO |  |
| RM 1246 | P |  |  |  | DU | YES |  |
| RM 1248 | P |  |  |  | DU | YES |  |
| RM 1263 | NR |  |  |  | DU | NO |  |
| RM 1252 | P |  |  |  | DU | YES |  |
| RM 1267 | G |  |  | MP | DU | YES |  |

## Lake Superior to Rainy River

 (Ontario/Minnesota)| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 1269 | NR |  |  |  | DU | NO |  |
| RM 1254 | NR |  |  |  | DU | NO |  |
| RM 1258 | G |  |  | MP | DU | YES |  |
| RM 1281 | NR |  |  |  | DU | NO |  |
| RM 1283 | NR |  |  |  | DU | NO |  |
| RM 1266 | F |  | MI | MP | DU | YES |  |
| RM 1285 | F |  |  |  | DU | YES |  |
| RM 1270 | NR |  |  |  | DU | NO |  |
| RM 1291 | F |  |  |  | DU | YES |  |
| RM 1276 | P |  | MA | MP | DU | YES |  |
| RM 1280 | F |  | Ml | MP | DU | YES |  |
| RM 1282 | F |  | MI | MP | DU | YES |  |
| RM 1284 | F |  | Ml | MP | DU | YES |  |
| RM 1284-A | NR |  |  |  | DU | NO |  |
| RM 1294 | G |  |  | MP | DU | YES |  |
| RM 1298 | G |  |  | MP | DU | YES |  |
| RM 1304 | F |  | Ml | MP | DU | YES |  |
| RM 421-17 | G | NM |  | MP | DU | YES |  |

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

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 17 | P |  | MA | MP | DU | YES |  |
| RM 18 | P |  | MA | MP | DU | YES |  |
| RM 21 | P |  | MA | MP | DU | YES |  |
| RM 23 | P |  | MA | MP | DU | YES |  |
| RM 27 | P |  | MA | MP | DU | YES |  |
| RM 29 | P |  | MA | MP | DU | YES |  |
| RM 33 | P |  | MA | MP | DU | YES |  |
| RM 68-68 | P |  | MA | MP | DU | YES |  |
| RM 65 | P |  | MA | MP | DU | YES |  |
| RM 76 | P |  | MA | MP | DU | YES |  |
| RM 79-68 | P |  | MA | MP | DU | YES |  |
| RM 83-95 | P |  | MA | MP | DU | YES |  |
| RM 96-68 | P |  | MA | MP | DU | YES |  |
| RM 163 | F |  | MI | MP | DU | YES |  |
| RM 165-69 | P |  | MA | MP | DU | YES |  |
| RM 171-37 | P |  | MA | MP | DU | YES |  |
| RM 172 | P |  | MA | MP | DU | YES |  |
| RM 179 | P |  | MA | MP | DU | YES |  |
| RM 191 | F |  | Ml | MP | DU | YES |  |

## Rainy River and Lake of the Woods

 (Ontario/Minnesota)| Boundary Monument <br> Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RM 200 | P |  | MA | MP | DU | YES |  |
| RM 233 | F |  | MI | MP | DU | YES |  |
| RM 242 | F |  | MI | MP | DU | YES |  |
| RM 249 | F |  | MI | MP | DU | YES |  |
| RM 264 | F |  | MI | MP | DU | YES |  |
| RM 267 | F |  | MI | MP | DU | YES |  |
| RM 270 | F |  | MI | MP | DU | YES |  |
| RM 272 | F |  | MI | MP | DU | YES |  |
| RM 274 | F |  | MI | MP | DU | YES |  |
| RM 278 | F |  | MI | MP | DU | YES |  |
| RM 280 | F |  | MI | MP | DU | YES |  |
| RM 281 | F |  | MI | MP | DU | YES |  |
| RM 285 | F |  | MI | MP | DU | YES |  |
| RM 287 | F |  | MI | MP | DU | YES |  |
| RM 288 | F |  | MI | MP | DU | YES |  |
| RM 292 | F |  | MI | MP | DU | YES |  |
| RM 295 | F |  | MI | MP | DU | YES |  |
| RM 298 | F |  | MI | MP | DU | YES |  |
| RM 304 | F |  | MI | MP | DU | YES |  |
| RM 306 | F |  | MI | MP | DU | YES |  |
| RM 307 | F |  | MI | MP | DU | YES |  |
| RM 308 | F |  | MI | MP | DU | YES |  |
| RM 311 | F |  | MI | MP | DU | YES |  |
| RM 312 | F |  | MI | MP | DU | YES |  |
| RM 313 | F |  | MI | MP | DU | YES |  |
| RM 315 | F |  | MI | MP | DU | YES |  |
| RM 316 | F |  | MI | MP | DU | YES |  |
| RM 323 | F |  | MI | MP | DU | YES |  |
| RM 332 | P |  | MA | MP | DU | YES |  |
| RM 336 | F |  | MI | MP | DU | YES |  |
| RM 338 | F |  | MI | MP | DU | YES |  |
| RM 339 | F |  | MI | MP | DU | YES |  |
| RM 340 | F |  | MI | MP | DU | YES |  |
| RM 352 | F |  | MI | MP | DU | YES |  |

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

| Boundary Monument <br> Type \& Number | Reconnaissance |  | Established | Repairs | Painted | Description | PhotoMonument <br> Surveyed |
| :--- | :---: | :--- | :--- | :---: | :---: | :---: | :---: |
| MON 290 | G |  |  | MP | DU | YES |  |
| MON 290A | G |  |  | MP | DU | YES |  |
| MON 290B | G |  |  | MP | DU | YES |  |

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

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 306 | G |  |  | MP | DU | YES |  |
| MON 307 | G |  |  | MP | DU | YES |  |
| MON 308 | G |  |  | MP | DU | YES |  |
| MON 308A | G |  |  | MP | DU | YES |  |
| MON 308B | G |  |  | MP | DU | YES |  |
| MON 309 | G |  |  | MP | DU | YES |  |
| LM 309A | G |  |  | MP | DU | YES |  |
| LM 309B | G |  |  | MP | DU | YES |  |
| MON 310 | G |  |  | MP | DU | YES |  |

49th Parallel (Foothills to West Kootenay River)
(British Columbia, Alberta/Idaho, Montana)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 216A-90 | G |  |  |  |  | NO |  |
| MON 216B | NR |  |  |  |  | NO |  |
| MON 216C | G |  |  |  |  | YES |  |
| MON 216D | U | NM |  |  |  | YES |  |
| MON 217 | G |  |  |  |  | NO |  |
| MON 281A | G |  | MI | MP | DU | YES |  |
| MON 281B-66 | P |  | MA | MP | DU | YES |  |
| MON 282 | G |  |  | MP | DU | YES |  |
| MON 283 | G |  |  | MP | DU | YES |  |
| MON 284 | G |  |  | MP | DU | YES |  |
| MON 285 | G |  |  | MP | DU | YES |  |
| MON 286 | G |  |  | MP | DU | YES |  |
| MON 287 | P |  | MA | MP | DU | YES |  |
| MON 288 | G |  |  | MP | DU | YES |  |
| MON 289 | G |  |  | MP | DU | YES |  |

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

| Boundary Monument <br> Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 69 | G |  |  |  |  | NO |  |
| MON 70 | NR |  |  |  |  | NO |  |
| MON 71 | P |  |  |  |  | NO |  |
| MON 72 | G |  |  |  |  | NO |  |
| MON 73 | G |  |  |  |  | NO |  |

## 49th Parallel (Columbia Valley to Similkameen River)

(British Columbia/Washington)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 74 | G |  |  |  |  | NO |  |
| MON 75 | G |  |  |  |  | NO |  |
| MON 76 | G |  |  |  |  | NO |  |
| MON 77 | G |  |  |  |  | NO |  |
| MON 78 | P |  | MI | MP | DU | YES |  |
| MON 79 | G |  |  |  |  | NO |  |
| MON 80 | G |  |  |  |  | NO |  |
| MON 81 | G |  |  |  |  | NO |  |

## 141st Meridian (YK/AK)

(Yukon/Alaska)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 1-83 | F |  |  |  | DU | YES | S |
| MON 1A | G |  |  |  |  | YES | S |
| MON 2 | F |  |  |  | DU | YES | S |
| MON 3 | F |  |  |  | DU | YES | S |
| MON 4 | G |  |  |  |  | YES | S |
| MON 5 | G |  |  |  |  | YES | S |
| MON 6 | P |  |  |  | DU | YES | S |
| MON 7 | P |  |  |  | DU | YES | S |
| MON 8 | F |  |  |  | DU | YES | S |
| MON 9 | G |  |  |  | DU | YES | S |
| MON 10 | F |  |  |  | DU | YES | S |
| MON 11 | P |  |  |  | DU | YES | S |
| MON 12 | P |  |  |  | DU | YES | S |
| MON 13 | P |  |  |  | DU | YES | S |
| MON 14 | G |  |  |  | DU | YES | S |
| MON 15 | F |  |  |  | DU | YES | S |
| MON 16 | F |  |  |  | DU | YES | S |
| MON 17 | P |  |  |  | DU | YES | S |
| MON 18 | G |  |  |  | DU | YES | S |
| MON 19 | P |  |  |  | DU | YES | S |
| MON 20 | F |  |  |  | DU | YES | S |
| MON 21 | F |  |  |  | DU | YES | S |
| MON 22 | F |  |  |  | DU | YES | S |
| MON 23 | F |  |  |  | DU | YES | S |
| MON 24 | F |  |  |  | DU | YES | S |
| MON 25 | G |  |  |  |  | YES | S |
| MON 26 | P |  |  |  | DU | YES | S |
| MON 27 | P |  |  |  | DU | YES | S |
| MON 28 | F |  |  |  | DU | YES | S |

# International Boundary Commission 

Joint Annual Report 2017
141st Meridian (YK/AK)
(Yukon/Alaska)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 29 | P |  |  |  | DU | YES | S |
| MON 30 | P |  |  |  | DU | YES | S |
| MON 31 | P |  |  |  | DU | YES | S |
| MON 32-73 | F |  |  |  | DU | YES | S |
| MON 33 | G |  |  |  |  | YES | S |
| MON 34 | F |  |  |  | DU | YES | S |
| MON 35 | P |  |  |  | DU | YES | S |
| MON 36 | G |  |  |  |  | YES | S |
| MON 37 | P |  |  |  | DU | YES | S |
| MON 38 | P |  |  |  | DU | YES | S |
| MON 38A | P |  |  |  | DU | YES | S |
| MON 39-84 | F |  |  | MP | DU | YES | S |
| MON 40 | G |  |  | MP |  | YES | S |
| MON 41 | G |  |  | MP |  | YES | S |
| MON 42 | G |  |  | MP |  | YES | S |
| MON 43 | G |  |  | MP | DU | YES | S |
| MON 44 | G |  |  | MP |  | YES | S |
| MON 45 | G |  |  | MP |  | YES | S |
| MON 46 | G |  |  | MP |  | YES | S |
| MON 46A | G |  |  | MP | DU | YES | S |
| MON 47 | G |  |  | MP |  | YES | S |
| MON 47A | G |  |  | MP |  | YES | S |
| MON 48 | G |  |  | MP |  | YES | S |
| MON 48A | G |  |  | MP |  | YES | S |
| MON 49 | G |  |  | MP | DU | YES | S |
| MON 49A | F |  |  | MP | DU | YES | S |
| MON 50 | G |  |  | MP |  | YES | S |
| MON 51 | P |  |  |  | DU | YES | S |
| MON 52 | F |  |  | MP | DU | YES | S |
| MON 53 | P |  |  | MP | DU | YES | S |
| MON 54 | G |  |  | MP |  | YES | S |
| MON 55 | G |  |  | MP |  | YES | S |
| MON 56 | P |  |  |  | DU | YES | S |
| MON 57 | P |  |  | MP | DU | YES | S |
| MON 58 | G |  |  | MP |  | YES | S |
| MON 59 | F |  |  | MP | DU | YES | S |
| MON 60 | G |  |  | MP |  | YES | S |
| MON 61 | F |  |  | MP | DU | YES | S |
| MON 62 | F |  |  | MP | DU | YES | S |
| MON 63 | G |  |  | MP |  | YES | S |
| MON 64 | G |  |  |  |  | YES | S |
| MON 65 | F |  |  |  | DU | YES | S |
| MON 66 | F |  |  |  | DU | YES | S |
| MON 67 | F |  |  |  | DU | YES | S |
| MON 68 | G |  |  |  |  | YES | S |

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Joint Annual Report 2017

## 141st Meridian (YK/AK)

(Yukon/Alaska)

| Boundary Monument Type \& Number | Reconnaissance | Established | Repairs | Painted | Description | Photo | Monument Surveyed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MON 69 | G |  |  |  | DU | YES | S |
| MON 70 | G |  |  |  | DU | YES | S |
| MON 71 | F |  |  |  |  | YES | S |
| MON 72 | F |  |  |  | DU | YES | S |
| MON 73 | P |  |  |  | DU | YES | S |
| MON 74 | F |  |  |  | DU | YES | S |
| MON 75 | F |  |  |  | DU | YES | S |
| MON 76 | G |  |  | MP |  | YES | S |
| MON 77 | P |  |  | MP | DU | YES | S |
| MON 78 | F |  |  | MP | DU | YES | S |
| MON 79 | G |  |  | MP |  | YES | S |
| MON 80 | P |  |  | MP | DU | YES | S |
| MON 115A | G |  |  |  |  | NO | S |
| MON 133 | G |  |  |  |  | YES | S |
| MON 134 | P |  |  |  | DU | YES | S |
| MON 136 | G |  |  |  |  | YES | S |
| MON 150 | P |  |  |  | DU | YES | S |
| MON 189 | NR |  |  |  |  | NO |  |
| MON 191 | G |  |  |  |  | YES |  |
| MON 191A | NR |  |  |  |  | NO |  |

## MONUMENT MAINTENANCE

## Passamaquoddy Bay <br> (New Brunswick/Maine)

Range Marks recovered

## North Line <br> (New Brunswick/Maine)

Monuments recovered 4

Monuments painted 4

## Saint John River <br> (New Brunswick/Maine)

Reference Monuments recovered 305
Reference Monuments not recovered 23
Reference Monuments repaired or re-established 10
Reference Monuments painted 145
Reference Monuments photographed 191
Reference Monuments surveyed 30

## St. Francis River

(New Brunswick/Maine)

Reference Monuments recovered 3
Reference Monuments not recovered 1
Reference Monuments repaired or re-established 2
Reference Monuments painted 3
Reference Monuments surveyed 3

Southwest Branch of the St. John River
(New Brunswick, Quebec/Maine)

Reference Monuments recovered 9
Reference Monuments surveyed 9
$\qquad$

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Joint Annual Report 2017

## Highlands N.E. Section

(Quebec/Maine)
Monuments recovered ..... 723
Monuments not recovered ..... 1
Monuments repaired or re-established ..... 58
Monuments painted ..... 1
Monuments photographed ..... 590
Monuments surveyed ..... 323
Reference Monuments not recovered ..... 1
Highlands S.W. Section
(Quebec/Maine, New Hampshire)
Monuments recovered ..... 73
Monuments repaired or re-established ..... 1
Monuments painted ..... 2
Monuments photographed ..... 7
Halls Stream
(Quebec/New Hampshire)
Monuments recovered ..... 76
Monuments not recovered ..... 11
Monuments not photographed ..... 71
Reference Monuments recovered ..... 1
Reference Monuments painted ..... 1
West Line (QC/VT)(Quebec/New Hampshire, Vermont)
Monuments recovered ..... 239
Monuments not recovered ..... 4
Monuments established ..... 2
Monuments repaired or re-established ..... 7
Monuments painted ..... 235
Monuments photographed ..... 239
Monuments surveyed ..... 9

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

Reference Monuments recovered ..... 156
Reference Monuments not recovered ..... 21
Reference Monuments established ..... 9
Reference Monuments repaired or re-established ..... 85
Reference Monuments painted ..... 124
Reference Monuments photographed ..... 157
Rainy River and Lake of the Woods (Ontario/Minnesota)
Reference Monuments recovered ..... 53
Reference Monuments repaired or re-established ..... 53
Reference Monuments painted ..... 53
Reference Monuments photographed ..... 53
49th Parallel (AB-SK-MB/MT- ND)
(Alberta/Montana)
Monuments recovered ..... 10
Monuments painted ..... 10
Monuments photographed ..... 10
Line Marks recovered ..... 2
Line Marks painted ..... 2
Line Marks photographed ..... 2

49th Parallel (Foothills to West Kootenay River)
(British Columbia, Alberta/Idaho, Montana)

Monuments recovered 13
Monuments not recovered 1
Monuments established 1
Monuments repaired or re-established 3
Monuments painted 10
Monuments photographed 12

## 49th Parallel (Columbia Valley to Similkameen River)

## (British Columbia/Washington)

Monuments recovered ..... 12
Monuments not recovered ..... 1
Monuments repaired or re-established ..... 1
Monuments painted ..... 1
Monuments photographed ..... 1
141st Meridian (YK/AK)
(Yukon/Alaska)
Monuments recovered ..... 92
Monuments not recovered ..... 2
Monuments painted ..... 32
Monuments photographed ..... 91
Monuments surveyed ..... 91
VISTA MAINTENANCE
North Line(New Brunswick/Maine)
Vista cleared at Houlton/Woodstock POE
Total distance km ..... 0,6
Total distance miles ..... 0.4
Highlands S.W. Section
(Quebec/Maine)Vista cleared between monuments 405 et 452Total distance km69,9
Total distance miles ..... 43.4
West Line (QC/VT)(Quebec/New Hampshire, Vermont)
Vista cleared upon request of DHS
Total distance km ..... 16,4
Total distance miles ..... 10.2

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

Vista cleared between monuments 283 and 321
Total distance km
Total distance miles ..... 12.5

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Joint Annual Report 2017

## APPENDIX B - SUMMARY OF MAINTENANCE AND SURVEY WORK

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## Summary of maintenance and survey work

Range Marks recovered ..... 49
Monuments recovered ..... 1,242
Reference monuments recovered ..... 526
Monuments established ..... 3
Reference monuments established ..... 9
Monuments repaired/ re-established ..... 80
Reference monuments repaired/re-established ..... 150
Reference monuments surveyed ..... 42
Monuments surveyed ..... 423
Vista cleared ..... 107,0 km ( 66.5 miles)

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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) | 8 |
| 2 | Vista Clearing \& Maintenance | 49th Parallel (MB/ND) | 8 |
| 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) | 8 |
| 3 | Inspection \& Maintenance | Straits of Georgia and Juan De Fuca | 8 |
| 3 | Inspection \& Maintenance | Portland Canal | 8 |
| 3 | Vista Clearing \& Maintenance | Southeast Alaska | 8 |
| 3 | Vista Clearing \& Maintenance | $141 s t$ Meridian (YK/AK) | 8 |
|  |  |  | 8 |

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|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Inspection \& Maintenance | Passamaquoddy Bay | 36 |
|  | Inspection \& Maintenance | Saint John River | 175 |
|  | Inspection \& Maintenance | Highlands S.W. Section | 120 |
|  | Vista Clearing | Highlands S.W. Section | 230 |
|  | Inspection \& Maintenance | West Line (QC/VT) | 200 |
|  | Inspection \& Maintenance | Lake Superior to Rainy River | 87 |
|  | Inspection \& Maintenance | Rainy River and Lake of the Woods | 88 |
|  | Inspection \& Maintenance | 49th Parallel (AB-SK-MB/MT- ND) | 160 |
|  | Survey | 49th Parallel (Foothills to West Kootenay River) | 20 |
|  | Maintenance | 49th Parallel (Pacific to Columbia Valley) | 100 |
|  | Vista Clearing | Southeast Alaska | 300 |
|  | Survey | 141 st Meridian (YK/AK) | 250 |
|  | Mapping |  | 50 |
|  | Contingency |  | 50 |
|  |  |  |  |
|  | TOTAL |  | 1,866 |


| Task | Section | $\mathbf{x} 1000 \$$ |
| :--- | :--- | ---: |
| Vista Clearing | North Line | 80 |
| Inspection \& Maintenance | Saint John River | 87 |
| Inspection \& Maintenance | St. Francis River | 88 |
| Vista Clearing | Southwest and South Lines | 260 |
| Inspection \& Maintenance | Southwest Branch of the St. John River | 175 |
| Maintenance | Highlands N.E. Section | 175 |
| Vista Clearing | Highlands S.W. Section | 230 |
| Inspection \& Maintenance | Halls Stream | 50 |
| Vista Clearing | West Line (QC/NY) | 150 |
| Inspection \& Maintenance | Lake Ontario and Niagara River | 50 |
| Inspection | Meridian and 49th Parallel (MB/MN) | 175 |
| Maintenance | 49th Parallel (AB-SK-MB/MT- ND) | 175 |
| Inspection \& Maintenance | 49th Parallel (Pacific to Columbia Valley) | 43 |
| Vista Clearing | Southeast Alaska | 368 |
| Mapping |  | 50 |
| Contingency |  | 50 |
|  |  | 2,206 |
| TOTAL |  |  |

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Joint Annual Report 2017

|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
| $0$ | Inspection \& Maintenance | St. Croix River | 87 |
|  | Inspection \& Maintenance | North Line | 172 |
|  | Maintenance | Highlands N.E. Section | 185 |
|  | Vista Clearing | West Line (QC/VT) | 90 |
|  | Inspection \& Maintenance | St. Lawrence River | 80 |
|  | Inspection \& Maintenance | Lake Erie, Detroit and St. Clair Rivers | 88 |
|  | Vista Clearing | Meridian and 49th Parallel (MB/MN) | 140 |
|  | Maintenance | 49th Parallel (MB/ND) | 175 |
|  | Vista Clearing | 49th Parallel (MB/ND) | 90 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 39 |
|  | Vista Clearing | 49th Parallel (Similkameen River to West Kootenay River) | 370 |
|  | Vista Clearing | 49th Parallel (Pacific to Columbia Valley) | 100 |
|  | Vista Clearing | Southeast Alaska | 375 |
|  | Mapping |  | 50 |
|  | Contingency |  | 50 |
|  |  |  |  |
|  | TOTAL |  | 2,091 |


|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Maintenance | Passamaquoddy Bay | 40 |
|  | Maintenance | St. Croix River | 87 |
|  | Maintenance | North Line | 88 |
|  | Vista Clearing | Highlands N.E. Section | 195 |
|  | Vista Clearing | West Line (QC/VT) | 75 |
|  | Inspection \& Maintenance | Lake Huron, Saint Marys River and Lake Superior | 85 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 40 |
|  | Vista Clearing | 49th Parallel (Similkameen River to West Kootenay River) | 225 |
|  | Vista Clearing | 49th Parallel (Columbia Valley to Similkameen River) | 300 |
|  | Inspection \& Maintenance | 49th Parallel (Pacific to Columbia Valley) | 88 |
|  | Inspection \& Maintenance | Straits of Georgia and Juan De Fuca | 35 |
|  | Vista Clearing | Southeast Alaska | 400 |
|  | Maintenance | Southeast Alaska | 400 |
|  | Capital | Truck replacement | 100 |
|  | Contingency |  | 50 |
|  |  |  |  |
|  | TOTAL |  | 2,208 |

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Joint Annual Report 2017

|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Maintenance | Highlands S.W. Section | 210 |
|  | Vista Clearing \& Maintenance | Meridian and 49th Parallel (MB/MN) | 253 |
|  | Vista Clearing | 49th Parallel (MB/ND) | 58 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 450 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 466 |
|  | Vista Clearing \& Maintenance | 49th Parallel (Pacific to Columbia Valley) | 150 |
|  | Inspection \& Maintenance | Portland Canal | 117 |
|  | Vista Clearing \& Maintenance | Southeast Alaska | 400 |
|  | Contingency |  | 50 |
|  | TOTAL |  | 2,154 |


|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Inspection \& Maintenance | St. Francis River | 182 |
|  | Vista Clearing | Highlands N.E. Section | 250 |
|  | Maintenance | Highlands S.W. Section | 220 |
|  | Inspection \& Maintenance | Halls Stream | 50 |
|  | Maintenance | Meridian and 49th Parallel (MB/MN) | 182 |
|  | Maintenance | 49th Parallel (AB-SK-MB/MT- ND) | 182 |
|  | Maintenance | 49th Parallel (Foothills to West Kootenay River) | 400 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 133 |
|  | Vista Clearing | 49th Parallel (Similkameen River to West Kootenay River) | 415 |
|  | Contingency |  | 50 |
|  | TOTAL |  | 2,064 |


|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Survey | Passamaquoddy Bay | 91 |
|  | Maintenance | Passamaquoddy Bay | 44 |
|  | Survey | St. Croix River | 91 |
|  | Vista Clearing \& Maintenance | Southwest and South Lines | 280 |
|  | Vista Clearing \& Maintenance | Highlands S.W. Section | 480 |
|  | Vista Clearing | West Line (QC/NY) | 165 |
|  | Maintenance | Meridian and 49th Parallel (MB/MN) | 183 |
|  | Vista Clearing \& Maintenance | 49th Parallel (Foothills to West Kootenay River) | 376 |
|  | Maintenance | 49th Parallel (Similkameen River to West Kootenay River) | 183 |
|  | Contingency |  | 50 |
|  | TOTAL |  | 1,943 |
|  |  | Section | x 1000\$ |

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|  | Vista Clearing | North Line | 90 |
| :---: | :---: | :---: | :---: |
|  | Vista Clearing | Highlands S.W. Section | 250 |
|  | Vista Clearing | West Line (QC/VT) | 110 |
|  | Vista Clearing | Meridian and 49th Parallel (MB/MN) | 250 |
|  | Maintenance | 49th Parallel (MB/ND) | 184 |
|  | Vista Clearing \& Maintenance | 141 st Meridian (YK/AK) | 750 |
|  | Vista Clearing \& Maintenance | 141 st Meridian (YK/AK) | 500 |
|  | Contingency |  | 50 |
|  |  |  |  |
|  | TOTAL |  | 2,184 |


| Task | Section | $\mathbf{x 1 0 0 0 \$}$ |
| :--- | :--- | ---: |
| Vista Clearing \& Maintenance | North Line | 193 |
| Vista Clearing | West Line (QC/VT) | 90 |
| Maintenance | St. Lawrence River | 90 |
| Maintenance | Lake Superior to Rainy River | 93 |
| Maintenance | Rainy River and Lake of the Woods | 92 |
| Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 45 |
| Vista Clearing \& Maintenance | 49th Parallel (Columbia Valley to Similkameen River) | 500 |
| Vista Clearing \& Maintenance | 49 th Parallel (Pacific to Columbia Valley) | 200 |
| Vista Clearing | 141 st Meridian (YK/AK) | 192 |
| Vista Clearing | 141 st Meridian (YK/AK) | 888 |
| Contingency |  | 50 |
|  |  | $\mathbf{2 , 4 3 3}$ |
| TOTAL |  |  |


|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Vista Clearing \& Maintenance | Passamaquoddy Bay | 48 |
|  | Vista Clearing \& Maintenance | North Line | 99 |
|  | Maintenance | Saint John River | 186 |
|  | Maintenance | St. Francis River | 80 |
|  | Maintenance | Southwest Branch of the St. John River | 200 |
|  | Inspection \& Maintenance | Halls Stream | 75 |
|  | Maintenance | Lake Ontario and Niagara River | 60 |
|  | Vista Clearing | Meridian and 49th Parallel (MB/MN) | 230 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 46 |
|  | Vista Clearing | 141 st Meridian (YK/AK) | 1,008 |
|  | Vista Clearing | 141 st Meridian (YK/AK) | 550 |
|  | Contingency |  | 50 |
|  |  |  |  |
|  | TOTAL |  | 2,632 |

## International Boundary Commission

Joint Annual Report 2017

|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Maintenance | St. Croix River | 100 |
|  | Maintenance | Lake Erie, Detroit and St. Clair Rivers | 100 |
|  | Vista Clearing | Meridian and 49th Parallel (MB/MN) | 187 |
|  | Inspection \& Maintenance | 49th Parallel (AB-SK-MB/MT- ND) | 190 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 47 |
|  | Vista Clearing \& Maintenance | 49th Parallel (Similkameen River to West Kootenay River) | 430 |
|  | Vista Clearing | 141 st Meridian (YK/AK) | 573 |
|  | Vista Clearing | 141 st Meridian (YK/AK) | 555 |
|  | Contingency |  | 50 |
|  | TOTAL |  | 2,232 |


|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Maintenance | St. Croix River | 100 |
|  | Vista Clearing \& Maintenance | Southwest and South Lines | 310 |
|  | Vista Clearing | Highlands N.E. Section | 275 |
|  | Vista Clearing \& Maintenance | West Line (QC/NY) | 190 |
|  | Inspection \& Maintenance | Lake Huron, Saint Marys River and Lake Superior | 95 |
|  | Vista Clearing \& Maintenance | Meridian and 49th Parallel (MB/MN) | 73 |
|  | Vista Clearing \& Maintenance | 49th Parallel (MB/ND) | 73 |
|  | Maintenance | 49th Parallel (AB-SK-MB/MT- ND) | 210 |
|  | Vista Clearing \& Maintenance | 49th Parallel (Foothills to West Kootenay River) | 667 |
|  | Vista Clearing | 141 st Meridian (YK/AK) | 600 |
|  | Contingency |  | 50 |
|  |  |  |  |
|  | TOTAL |  | 2,643 |


|  | Task | Section | x 1000\$ |
| :---: | :---: | :---: | :---: |
|  | Vista Clearing \& Maintenance | Passamaquoddy Bay | 52 |
|  | Vista Clearing | Highlands S.W. Section | 275 |
|  | Vista Clearing | West Line (QC/VT) | 125 |
|  | Vista Clearing | Meridian and 49th Parallel (MB/MN) | 295 |
|  | Vista Clearing \& Maintenance | 49th Parallel (MB/ND) | 189 |
|  | Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 49 |
|  | Vista Clearing \& Maintenance | 49th Parallel (Columbia Valley to Similkameen River) | 550 |
|  | Inspection \& Maintenance | Portland Canal | 155 |
|  | Vista Clearing \& Maintenance | Southeast Alaska | 400 |
|  | Contingency |  | 50 |
|  |  |  |  |
|  | TOTAL |  | 2,140 |

Task
Section

| Vista Clearing \& Maintenance | North Line | 300 |
| :--- | :--- | ---: |
| Inspection \& Maintenance | St. Francis River | 80 |
| Vista Clearing | West Line (QC/VT) | 110 |
| Inspection \& Maintenance | Halls Stream | 75 |
| Vista Clearing | 49th Parallel (Foothills to West Kootenay River) | 50 |
| Vista Clearing \& Maintenance | 49th Parallel (Pacific to Columbia Valley) | 300 |
| Vista Clearing \& Maintenance | Southeast Alaska | 400 |
| Vista Clearing \& Maintenance | Southeast Alaska | 420 |
| Contingency |  | 50 |
|  | $\mathbf{1 , 7 8 5}$ |  |
| TOTAL |  |  |

## APPENDIX D - PLANS OF MONUMENTS INSTALLED

IBC SECTION SECTION CFI West Line (QCNT) Ligne Oust (QCNT)
location localisation Barston, QC
Holland, VT


Newly established LEGEND LÉGENDE

$$
\begin{aligned}
& \text { Existing monument } \\
& \text { International Boundary }
\end{aligned}
$$

tances shown are horizontal at general ground level and are expressed in Distances shown are horizontal at general ground level and are expressed in
metres and decimals thereof (except when shown otherwise). Geodetic metres and decimals thereot (except when shown otherwise). Geode
azimuths are shown. All angles and distances are derived from GPS observations.
Les distances apparaissant sur ce plan sont horizontales, réduites au niveau moyen du terrain et sont exprimées en mètres et décimales du mètre (sauf si indiqué autrement). Les azimuts géodésiques so
les distances sont dérivés d'observations GPS.

NOTES
NOTES
MON 544 - Found level, solid-base is deteriorating; Renewed in original position using new standard granite obelisk.
MON 544A - New standard granite obelisk set in concrete base on line. MON 544B - New standard granite obelisk set in concrete base on line. MON 545 - Found top displaced, base deteriorating - lower level concrete base in place - Reset $0.25 \mathrm{~N}, 0.20 \mathrm{E}$ and on production of MON 546 to MON
545 A . Set new standard granite obelisk in concrete base. Renewed 2017 . MON 545 A - Found small obelisk leaning east $+/-0.05$ - Renewed 2000 .
MON 546 - Found good condition, cast iron obelisk in a base - Renewed 2000 Encroachments:
$-\quad 4$ ' high pag

4' high page-wire farm fence extending along Snowmobile trail on Canadian side in vicinity of MON Snown
544 A

| MONUMENTED \& SURVEYED BY Joseph L. H | arpentée et bornée par rietha, C.L.S |
| :---: | :---: |
| Canadian Section | Section canadienne |

$$
\begin{aligned}
& \text { Existing monument } \\
& \text { Nouvelle borne pos } \\
& \text { - Borne existante }
\end{aligned}
$$

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Joint Annual Report
2017


[^0]:    ${ }^{1}$ http://internationalboundarycommission.org/en/maps-coordinates/maps/section-a.php

