

Ms. Olga Algayerova
Executive Secretary
United Nations Economic Commission
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Ms. Audrey Azoulay
Director-General
United Nations Educational, Scientific
and Cultural Organization (UNESCO)
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France

Dear Ms. Algayerova and Ms. Azoulay:

RE: Transboundary Water Cooperation Reporting

In response to your letter of February 19, 2020 inviting Canada to submit our second national report on indicator 6.5.2 for Target 6.5 of the Sustainable Development Goals (SDGs), I am pleased to provide you with Canadian data, attached, in order to contribute to your agencies' discussion on progress and gaps in transboundary cooperation at the national and basin levels.

As noted in our national report, Canada shares water with only the United States of America. In 1909, the two countries concluded the *Boundary Waters Treaty*, which established the foundation of a century of cooperative transboundary water management for shared watersheds along the Canada-United States boundary. Over the last 100 years, Canada and the United States have built on this foundation and negotiated a number of other subsidiary treaties, conventions and agreements, including inter alia: the *Columbia River Treaty*, the *Niagara River Diversion Treaty* and the *Great Lakes Water Quality Agreement*.

In order to prevent and resolve potential disputes between Canada and the United States under the Boundary Waters Treaty, both countries created the International Joint Commission (IJC). The IJC acts as an independent and objective adviser to the two governments and fosters cooperation between Canada and the United States on the management of our shared waters. The IJC rules upon applications for approval of projects affecting boundary or transboundary waters and may regulate the operation of these projects; assists the two countries in the protection of the transboundary environment, including the implementation of the Great Lakes Water Quality Agreement; and it alerts the governments to emerging issues along the boundary that may give rise to bilateral disputes.

The submission of our 2nd national report shows that the SDG indicator 6.5.2 is 0.82; or 82% of transboundary basins are covered by an operational agreement for transboundary cooperation. Details for each basin are provided in section II. 91% of surface water basins have operational agreements in place. However, Canada and the U.S. only have operational arrangements in place for four out of a total of ten known transboundary aquifers. As noted in our report, the *Boundary Waters Treaty* does not apply to transboundary aquifers.

Part II of Canada's 2nd national report was completed in a separate spreadsheet. As Canada and the United States share a large number of transboundary basins and have a long history of cooperation, part II of the report contains a substantial amount of information. A spreadsheet was used in order to convey this information in an efficient manner.

Should you have any further questions, please note the point of contact in the department is Jean-François Ferry, Director, Americas in the International Affairs Branch (jean-francois.ferry@canada.ca).

I trust that you will find Canada's submission useful to support on-going progress related to Target 6.5 of the Sustainable Development Goals (SDGs).

Sincerely,

A handwritten signature in black ink, appearing to read "Catherine Stewart". The signature is fluid and cursive, with a large, sweeping flourish at the end.

Catherine Stewart
Assistant Deputy Minister
International Affairs

Reporting on global SDG indicator 6.5.2
TEMPLATE of the second cycle for reporting

Content of the template

The template is divided into four parts:

- Section I - Calculation of SDG indicator 6.5.2
- Section II - Information on each transboundary basin or group of basins
- Section III - General information on transboundary water management at the national level
- Section IV - Final questions

Country name: **Canada**

I. Calculation of Sustainable Development Goal indicator 6.5.2

Methodology

1. Using the information gathered in section II, the information gathered in this section allows for the calculation of Sustainable Development Goal global indicator 6.5.2, which is defined as the proportion of transboundary basin area with an operational arrangement for water cooperation.
2. The step-by-step monitoring methodology for indicator 6.5.2, developed by UNECE and UNESCO in the framework of UN-Water, should be referred to for details on the necessary data, the definitions and the calculation.^a
3. The value of the indicator at the national level is derived by adding up the surface area in a country of those transboundary basins (river and lake basins and aquifers) that are covered by an operational arrangement and dividing the area obtained by the aggregate total area in a country of all transboundary basins (both river and lake basins, and aquifers).
4. Transboundary basins are basins of transboundary waters, that is, of any surface waters (notably rivers, lakes) or groundwaters which mark, cross or are located on boundaries between by two or more States. For the purpose of the calculation of this indicator, for a transboundary river or lake, the basin area is determined by the extent of its catchment. For groundwater, the area to be considered is the extent of the aquifer.
5. An “arrangement for water cooperation” is a bilateral or multilateral treaty, convention, agreement or other formal arrangement among riparian countries that provides a framework for cooperation on transboundary water management.
6. For an arrangement to be considered “operational” all the following criteria need to be in place in practice:
 - (a) There is a joint body, joint mechanism or commission (e.g., a river basin organization) for transboundary cooperation (criterion 1);
 - (b) There are regular (at least once per year) formal communications between riparian countries in form of meetings (either at the political or technical level) (criterion 2);
 - (c) Joint objectives, a common strategy, a joint or coordinated management plan, or an action plan have been agreed upon by the riparian countries (criterion 3);
 - (d) There is a regular (at least once per year) exchange of data and information (criterion 4).

Calculation of indicator 6.5.2

7. Please list in the tables below the transboundary basins (rivers and lakes and aquifers) in your country’s territory and provide the following information for each of them:
 - (a) The country/ies with which the basin is shared;
 - (b) The surface area of the basin (the catchment of rivers or lakes and the aquifer in the case of groundwater) within the territory of your country (in square kilometres (km²));
 - (c) Whether a map and/or a geographical information system (GIS) shapefile of the basin has been provided;
 - (d) Whether there is an arrangement in force for the basin;
 - (e) The verification of each of the four criteria to assess operability;

^a Available from the UN-Water website: <https://www.sdg6monitoring.org/indicators/target-65/indicators652/> (updated version “2020”).

(f) The surface area of the basin within the territory of your country which is covered by a cooperation arrangement that is operational according to the above criteria.

8. In case an operational arrangement is in place only for a sub-basin or a portion of a basin, please list this sub-basin just after the transboundary basin it is part of. In case there is an operational arrangement for the whole basin, do not list sub-basins in the table below.

CANADA

Canada shares water with only one other country; the United States of America. The two countries have a stable and mature relationship and have successfully cooperated on transboundary water management for more than a century. The foundation of **Canada-U.S. transboundary water cooperation** is the 1909 *Boundary Waters Treaty*. The *Boundary Waters Treaty* provides general principles, rather than detailed prescriptions, for preventing and resolving disputes over waters shared between the two countries and for settling other issues along the length of the Canada-U.S. boundary. The specific application of these principles is decided on a case-by-case basis. Canada and the United States created the International Joint Commission (IJC) as the formal body for cooperation between the two countries, and the IJC is guided by the *Boundary Waters Treaty* in the performance of its duties to review and approve projects in boundary and transboundary watersheds, undertake studies and make recommendations on matters referred to it by the two governments, and assist the two countries in the implementation of the *Great Lakes Water Quality Agreement* (GLWQA).

In addition to the *Boundary Waters Treaty*, Canada and the United States have negotiated a number of separate bilateral Agreements subsidiary to the *Boundary Waters Treaty* for the purposes of providing flood control, equally apportioning water, and managing water quality in individual boundary and transboundary watersheds. These subsidiary Agreements, for which copies are available on-line, include (for example):

- The Lake of the Woods Convention and Protocol (1925)
<http://www.ijc.org/files/dockets/Docket%203/Docket%203%20Convention%20and%20Protocol.pdf>
- The Niagara River Diversion Treaty (1950)
<http://www.internationalwaterlaw.org/documents/regionaldocs/niagra1950.html>
- The Columbia River Treaty (1964)
<https://www.canada.ca/en/environment-climate-change/corporate/international-affairs/partnerships-countries-regions/north-america/canada-united-states-columbia-river.html>
- The Great Lakes Water Quality Agreement (1978, 2012)
<https://www.canada.ca/en/environment-climate-change/corporate/international-affairs/partnerships-countries-regions/north-america/great-lakes-water-quality-agreement.html>

Canada and the United States have also used other mechanisms, such as Memorandums of Understanding, and Exchanges of Diplomatic Notes to address certain other minor issues as they have arisen. Copies of many of these documents can be accessed at the following link: <https://www.internationalwaterlaw.org/documents/n-america.html>.

Since 2005, Canada has participated to international developments in transboundary groundwater issues in cooperation with the United States within the Internationally Shared Aquifer Resources Management Initiative (ISARM) of UNESCO. As a result, ten Transboundary Aquifer Systems (TAS) were identified along the border between Canada and the United States.

The *Boundary Waters Treaty* does not cover aquifers, and the mandate of the IJC does not explicitly include the prevention or resolution of conflicts over the use or quality of boundary aquifers. It is important to note that currently there are no separate bilateral treaties or agreements between Canada and the U.S. that cover the cooperative management of transboundary aquifers. However, there are science arrangements and overall cooperation established for some of the transboundary aquifers. Some of the Canada/U.S. transboundary aquifers have arrangements for water cooperation designed as bilateral (federal/federal) or multilateral (provincial/state) agreements for scientific cooperation. This cooperation is in the form of data and information exchange on both groundwater quality and quantity. There are no Agreements on transboundary aquifer management.

Canada's approach to determining the value for indicator 6.5.2 changed from its first national report. Canada's second national report more comprehensively and accurately reflects Canada's transboundary water management.

Canada provides this information to UNECE in the spirit of good faith and cooperation. Canada notes that the terminology used by the UNECE differs from language found in international watercourse agreements to which Canada is a Party. As such, Canada's response to the second reporting exercise on Sustainable Development Goal (SDG) indicator 6.5.2 should not be understood as an interpretation of any international watercourse agreements to which Canada is a Party. Canada's answers here are without prejudice to any interpretation Canada may at any time apply to international watercourse agreements to which Canada is a Party.

Table 1

Transboundary river or lake basin (please add rows as needed)

<i>Name of transboundary river or lake basin/sub-basin</i>	<i>It is a basin or a sub-basin?^b</i>	<i>Countries shared with</i>	<i>Surface area of the basin/ sub-basin (in km²) within the territory of the country</i>	<i>Map and/or GIS shapefile provided (yes/no)</i>	<i>Covered by an arrangement (entirely, partly, no)</i>	<i>Criterion 1 applied (yes/no)</i>	<i>Criterion 2 applied (yes/no)</i>	<i>Criterion 3 applied (yes/no)</i>	<i>Criterion 4 applied (yes/no)</i>	<i>Surface area of the basin/ sub-basin (in km²) covered by an operational arrangement within the territory of the country</i>
Alaska-BC-Yukon Coastal	Basin	U.S.	15551.9057853	Yes	Entirely	Yes	Yes	Yes	Yes	15551.9057853
Alsek	Basin	U.S.	25557.824883	Yes	Entirely	Yes	Yes	Yes	Yes	25557.824883
Androscoggin	Basin	U.S.	1.31743816368	Yes	Entirely	No	No	No	No	0
Columbia	Basin	U.S.	101890.267323	Yes	Entirely	Yes	Yes	Yes	Yes	101890.267323
Connecticut	Basin	U.S.	305.896703342	Yes	Entirely	No	No	No	No	0
Great Lakes	Basin	U.S.	232044.402467	Yes	Entirely	Yes	Yes	Yes	Yes	232044.402467
Kennebec	Basin	U.S.	2.94070456931	Yes	Entirely	No	No	No	No	0
Lake Champlain-Richelieu	Basin	U.S.	3972.90314155	Yes	Entirely	Yes	Yes	Yes	Yes	3972.90314155
Milk	Basin	U.S.	20981.1049536	Yes	Entirely	Yes	Yes	Yes	Yes	20981.1049536
Missouri-Poplar	Basin	U.S.	8116.4589893	Yes	Entirely	Yes	Yes	Yes	Yes	8116.4589893
Peel and Southwestern Beaufort Sea	Basin	U.S.	101242.020638	Yes	No	No	No	No	No	0
Penobscot	Basin	U.S.	1.05109241819	Yes	Entirely	No	No	No	No	0

^b List sub-basins after the basin they belong to.

Name of transboundary river or lake basin/sub-basin	It is a basin or a sub-basin? ^b	Countries shared with	Surface area of the basin/ sub-basin (in km ²) within the territory of the country	Map and/or GIS shapefile provided (yes/no)	Covered by an arrangement (entirely, partly, no)	Criterion 1 applied (yes/no)	Criterion 2 applied (yes/no)	Criterion 3 applied (yes/no)	Criterion 4 applied (yes/no)	Surface area of the basin/ sub-basin (in km ²) covered by an operational arrangement within the territory of the country
Portland Canal	Basin	U.S.	7171.67345196	Yes	Entirely	Yes	Yes	Yes	Yes	7171.67345196
Puget Sound-Strait of Georgia-Strait of Juan De Fuca	Basin	U.S.	6828.73196343	Yes	Entirely	Yes	Yes	Yes	Yes	6828.73196343
Rainy	Basin	U.S.	37680.6079596	Yes	Entirely	Yes	Yes	Yes	Yes	37680.6079596
Red	Basin	U.S.	25700.5718348	Yes	Entirely	Yes	Yes	Yes	Yes	25700.5718348
Saint John	Basin	U.S.	36985.5820476	Yes	Entirely	Yes	Yes	Yes	Yes	36985.5820476
Souris	Basin	U.S.	38964.0536698	Yes	Entirely	Yes	Yes	Yes	Yes	38964.0536698
St. Croix-Bay of Fundy	Basin	U.S.	5787.42668272	Yes	Entirely	Yes	Yes	Yes	Yes	5787.42668272
St. Lawrence	Basin	U.S.	74427.9902212	Yes	Entirely	Yes	Yes	Yes	Yes	74427.9902212
St. Mary	Basin	U.S.	43912.8409593	Yes	Entirely	Yes	Yes	Yes	Yes	43912.8409593
Stikine	Basin	U.S.	47264.4368244	Yes	Entirely	Yes	Yes	Yes	Yes	47264.4368244
Taku	Basin	U.S.	15943.2121825	Yes	Entirely	Yes	Yes	Yes	Yes	15943.2121825
Yukon	Basin	U.S.	313210.846366	Yes	Entirely	Yes	Yes	Yes	Yes	313210.846366
(A) Total surface area of transboundary basins/sub-basins of rivers and lakes covered by operational arrangements within the territory of the country (in km²) (do not double count sub-basins)										1061992.842

<i>Name of transboundary river or lake basin/sub-basin</i>	<i>It is a basin or a sub-basin?^b</i>	<i>Countries shared with</i>	<i>Surface area of the basin/ sub-basin (in km²) within the territory of the country</i>	<i>Map and/or GIS shapefile provided (yes/no)</i>	<i>Covered by an arrangement (entirely, partly, no)</i>	<i>Criterion 1 applied (yes/no)</i>	<i>Criterion 2 applied (yes/no)</i>	<i>Criterion 3 applied (yes/no)</i>	<i>Criterion 4 applied (yes/no)</i>	<i>Surface area of the basin/ sub-basin (in km²) covered by an operational arrangement within the territory of the country</i>
(B) Total surface area of transboundary basins of rivers and lakes within the territory of the country (in km²) (do not double count sub-basins)			1163546.068							

^b List sub-basins after the basin they belong to.

Table 2

Transboundary aquifers (please add rows as needed)

Name of the transboundary aquifer	Countries shared with	Surface area of the aquifer ^c (in km ²) within the territory of the country	Map and/or GIS shapefile provided (yes/no)	Covered by an aquifer specific arrangement (entirely, partly, no)	Covered within an arrangement not specific to the aquifer ^d (entirely, partly, no)	Criterion 1 applied (yes/no)	Criterion 2 applied (yes/no)	Criterion 3 applied (yes/no)	Criterion 4 applied (yes/no)	Surface area of the aquifer (in km ²) covered by an operational arrangement within the territory of the country
Abbotsford-Sumas	US	100	Yes	Partly	No	Yes	Yes	Yes	Yes	100
Okanagan-Osoyoos	US	25 total; majority in Canada*	Yes	No	-	-	-	-	-	-
Grand Forks	US	34 total; majority in Canada*	Yes	No	-	-	-	-	-	-
Poplar	US	2000 (estimated) of 10,000 total; majority in the U.S.*	Yes	No	-	-	-	-	-	-
Estevan	US	approx. 224	Yes	No	-	-	-	-	-	-
Northern Great Plains	US	approx. 125,000	Yes	No	-	-	-	-	-	-
Chateauguay	US	1,500	Yes	Partly	No	No	No	No	No	1,500

^c For a transboundary aquifer, the extent is derived from the aquifer system delineation which is commonly done relying on information of the subsurface (notably the extent of geological formations). As a general rule, the delineation of aquifer systems is based on the delineation of the extent of the hydraulically connected water-bearing geological formations. Aquifer systems are three-dimensional objects and the aquifer area taken into account is the projection on the land surface of the system. Ideally, when different aquifer systems not hydraulically connected are vertically superposed, the different relevant projected areas are to be considered separately, unless the different aquifer systems are managed conjunctively.

^d In the text of the agreement or arrangement or in the practice.

<i>Name of the transboundary aquifer</i>	<i>Countries shared with</i>	<i>Surface area of the aquifer^c (in km²) within the territory of the country</i>	<i>Map and/ or GIS shapefile provided (yes/no)</i>	<i>Covered by an aquifer specific arrangement (entirely, partly, no)</i>	<i>Covered within an arrangement not specific to the aquifer^d (entirely, partly, no)</i>	<i>Criterion 1 applied (yes/no)</i>	<i>Criterion 2 applied (yes/no)</i>	<i>Criterion 3 applied (yes/no)</i>	<i>Criterion 4 applied (yes/no)</i>	<i>Surface area of the aquifer (in km²) covered by an operational arrangement within the territory of the country</i>
Judith River	US	Unknown	Yes	No	-	-	-	-	-	-
Milk River	US	approx. 22,500	Yes	Partly	No	Yes	No	No	No	11,250
Richelieu-Yamaska/Lake Champlain	US	9,000	Yes	Partly	No	No	No	No	No	9,000
(C) Sub-total: surface area of transboundary aquifers covered by operational arrangements (in km ²)										21850
(D) Total surface area of transboundary aquifers (in km ²)		160,383 (estimated)								

*More precise data is not available

Indicator value for the country

Surface waters:

Percentage of surface area of transboundary basins of rivers and lakes covered by an operational arrangement:

$$A/B \times 100 = 1061992.842/1163546.068 \times 100 = 91.27$$

Aquifers:

Percentage of surface area of transboundary aquifers covered by an operational arrangement:

$$C/D \times 100 = 21850/160383 \times 100 = 13.6236$$

Sustainable Development Goal indicator 6.5.2:

Percentage of surface area of transboundary basins covered by an operational arrangement:

$$((A + C)/(B + D)) \times 100 = ((1061992.842 + 21850)/(1163546.068 + 160383)) \times 100 = 81.87$$

Spatial information

If a map (or maps) of the transboundary surface water catchments and transboundary aquifers (i.e., “transboundary basins”) is available, please consider attaching them. Ideally, shapefiles of the basin and aquifer delineations that can be viewed in GIS should be sent.

The detailed watershed GIS files, hosted by the International Joint Commission, can be found at:

<http://gis.ijc.org/Strauss/>

In addition, following is a link to the IJC.Maps.arcgis.com webpage, specific to transboundary drainage areas:

<http://iic.maps.arcgis.com/home/webmap/viewer.html?layers=31dc02d753324bcbbf29ffefc80db50e&useExisting=1>

GIS shape files of the delineation of the 10 TBAs will be made available online in 2020, and additional information on hydrogeology and aquifers in Canada can be found at:

https://gin.gw-info.net/service/api_ngwds:gin2/en/data/standard.download.html?THEME=1

Does your country have transboundary agreements or arrangements for the protection and/or management of transboundary waters (i.e., rivers, lakes or groundwater), whether bilateral or multilateral?

Yes /No

If yes, list the bilateral and multilateral agreements or arrangements (listing for each of the countries concerned):

The Canada-U.S. agreements on transboundary water referenced in Table 1 are listed below. These agreements are detailed in part II of this report.

-
- Boundary Waters Treaty
 - Lake of the Woods Convention and Protocol
 - Treaty for the Diversion of the Niagara River
 - Columbia River Treaty
 - Great Lakes Water Quality Agreement
 - Skagit River Treaty
 - Rainy Lake Convention
 - Canada-U.S. Agreement on the Souris River Basin

The provincial-state agreements referenced in table 1 are listed below. These agreements are not included in Part II as they are not under federal jurisdiction. The provincial agreements were included within the calculation, however, it must be noted these may not meet the definition listed in point 5 as they are sub-national arrangements, and are not agreements between riparian countries.

- Memorandum of Understanding and Cooperation between the State of Alaska and the Province of British Columbia
- Treaty Between the Government of Canada and the Government of the United States of America Concerning Pacific Salmon

II. Questions for each transboundary basin, sub-basin, part of a basin, or group of basins (river, lake or aquifer)

Please complete this second section for each transboundary basin (river or lake basin, or aquifer), sub-basin, part of a basin or a group of basins covered by the same agreement or arrangement where conditions are similar.¹ In some instances, you may provide information on both a basin and one or more of its sub-basins or parts thereof, for example, where you have agreements² or arrangements on both the basin and its sub-basin. You may coordinate your responses with other States with which your country shares transboundary waters, or even prepare a joint report. General information on transboundary water management at the national level should be provided in section III and not repeated here.

Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Part II of Canada's report is completed in the attached excel document. Tab 1 of the excel document contains the information on the transboundary basins, and tab 2 contains the information on transboundary aquifers.

¹ In principle, section II should be submitted for every transboundary basin, river, lake or aquifer, in the country, but States may decide to group basins in which their share is small or leave out basins in which their share is very minor, e.g., below 1 per cent.

² In section II, "agreement" covers all kinds of treaties, conventions and agreements ensuring cooperation in the field of transboundary waters. Section II can also be completed for other types of arrangements, such as memorandums of understanding.

Only federal agreements are included in Part II of the report. The provincial/state Agreements which were included in the calculations in Part I do not fall under federal jurisdiction. As such, we are unable to provide details on these Agreements and they are excluded from this section.

As noted, there are four aquifers that are covered by Agreements. We are not able to provide more detailed information on these Agreements at this time.

Name of the transboundary basin,-sub-basin, part of a basin or group of basins: [fill in]

List of the riparian States: [fill in]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

Unconfined aquifer connected to a river or lake

Unconfined aquifer with no or limited relation with surface water

Confined aquifer connected to surface water

Confined aquifer with no or limited relation with surface water

Other

Please describe: [fill in]

Unknown

Percentage of your country's territory within the basin, sub-basin, part of a basin or group of basins: [fill in]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

One or more agreements or arrangements exist and are in force

Agreement or arrangement developed but not in force

Agreement or arrangement developed, but not in force for all riparians

Please insert the name of the agreement(s) or arrangement(s) [fill in]

Agreement or arrangement is under development

No agreement or arrangement

If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism then go to question 3.

Questions 2 and 3 to be completed for each bilateral or multilateral agreement or arrangement in force in the transboundary basin, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?

Yes /No

If yes, does it cover the entire basin or group of basins and all riparian States?

Yes /No

Additional explanations? [fill in]

Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes /No

Additional explanations? [fill in]

Which States (including your own) are bound by the agreement or arrangement?
(Please list): [fill in]

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?

Yes /No

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(c) What is the sectoral scope of the agreement or arrangement?

All water uses

A single water use or sector

Several water uses or sectors

If one or several water uses or sectors, please list (check as appropriate):

Water uses or sectors

Industry

Agriculture

Transport (e.g., navigation)

Households

Energy: hydropower and other energy types

Fisheries

Tourism

Nature protection

Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

Procedural and institutional issues

Dispute and conflict prevention and resolution

Institutional cooperation (joint bodies)

Consultation on planned measures

Mutual assistance

Topics of cooperation

Joint vision and management objectives

Joint significant water management issues

-
- Navigation
 - Human health
 - Environmental protection (ecosystem)
 - Water quality
 - Water quantity or allocation
 - Cooperation in addressing floods
 - Cooperation in addressing droughts
 - Climate change adaptation

Monitoring and exchange

- Joint assessments
- Data collection and exchange
- Joint monitoring
- Maintenance of joint pollution inventories
- Elaboration of joint water quality objectives
- Common early warning and alarm procedures
- Exchange of experience between riparian States
- Exchange of information on planned measures

Joint planning and management

- Development of joint regulations on specific topics
- Development of international or joint river, lake or aquifer basin management or action plans
- Management of shared infrastructure
- Development of shared infrastructure

Other (*please list*): [fill in]

(e) What are the main difficulties and challenges that your country faces with the agreement or arrangement and its implementation, if any?

- Aligning implementation of agreement or arrangement with national laws, policies and programmes
- Aligning implementation of agreement or arrangement with regional laws, policies and programmes
- Lack of financial resources
- Insufficient human capacity
- Insufficient technical capacity
- Tense diplomatic relations
- Non-participation of certain riparian countries in the agreement
- No significant difficulties
- Other (*please describe*): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [fill in]

(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (*please attach document or insert web address, if applicable*): [fill in]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?

Yes /No

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (*please tick one*)?

Plenipotentiaries

Bilateral commission

Basin or similar commission

Expert group meeting or meeting of national focal points

Other (*please describe*): [fill in]

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

Yes /No

(c) Which States (including your own) are members of the joint body or mechanism? (*Please list*): [fill in]

(d) Are there any riparian States that are not members of the joint body or mechanism? (*please list*): [fill in]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

No cooperation

They have observer status

Other (*please describe*): [fill in]

(f) Does the joint body or mechanism have any of the following features (*please tick the ones applicable*)?

A secretariat

If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): [fill in]

A subsidiary body or bodies

Please list (e.g., working groups on specific topics): [fill in]

Other features (*please list*): [fill in]

-
- (g) What are the tasks and activities of this joint body or mechanism?³
- Identification of pollution sources
 - Data collection and exchange
 - Joint monitoring
 - Maintenance of joint pollution inventories
 - Setting emission limits
 - Elaboration of joint water quality objectives
 - Management and prevention of flood or drought risks
 - Preparedness for extreme events, e.g., common early warning and alarm procedures
 - Surveillance and early warning of water related disease
 - Water allocation and/or flow regulation
 - Policy development
 - Control of implementation
 - Exchange of experience between riparian States
 - Exchange of information on existing and planned uses of water and related installations
 - Settling of differences and conflicts
 - Consultations on planned measures
 - Exchange of information on best available technology
 - Participation in transboundary EIA
 - Development of river, lake or aquifer basin management or action plans
 - Management of shared infrastructure
 - Addressing hydromorphological alterations
 - Climate change adaptation
 - Joint communication strategy
 - Basin-wide or joint public participation and consultation of, for example, basin management plans
 - Joint resources to support transboundary cooperation
 - Capacity-building
 - Any other tasks (*please list*): [fill in]
- (h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

³ This may include tasks according to the agreement or tasks added by the joint body, or its subsidiaries. Both tasks which joint bodies coordinate and tasks which they implement should be included.

Governance issues

Please describe, if any: [fill in]

Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [fill in]

Lack of mechanism for implementing measures

Please describe, if true: [fill in]

Lack of effective measures

Please describe, if true: [fill in]

Unexpected extreme events

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (*please list and describe, as appropriate*): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes /No

If yes, how frequently does it meet?

More than once per year

Once per year

Less than once per year

(j) What are the main achievements with regards to the joint body or mechanism?
[fill in]

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes /No

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism? [fill in]

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes /No

If yes, please provide further details: [fill in]

5. How is the transboundary basin,–sub-basin, part of a basins or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction.

Environmental flow norms, including consideration of levels and seasonality

Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals

Water-related species and habitats protection

Other measures (*please describe*): [fill in]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?

Yes /No

(b) If yes, how often:

More than once per year

Once per year

Less than once per year

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

(d) If yes, on what subjects are information and data exchanged?

Environmental conditions

Research activities and application of best available techniques

Emission monitoring data

Planned measures taken to prevent, control or reduce transboundary impacts

Point source pollution sources

Diffuse pollution sources

Existing hydromorphological alterations (dams, etc.)

Flows or water levels (including groundwater levels)

Water abstractions

Climatological information

Future planned measures with transboundary impacts, such as infrastructure development

Other subjects (*please list*): [fill in]

Other comments, e.g. spatial coverage of data and information exchange: [fill in]

(e) Is there a shared database or information platform?

Yes /No

(f) Is the database publicly available?

Yes /No

If yes, please provide the web address: [fill in]

(g) What are the main difficulties and challenges to data exchange, if applicable?

-
- Frequency of exchanges
 - Timing of exchanges
 - Comparability of data and information
 - Limited spatial coverage
 - Inadequate resources (technical and/or financial)

Other (*please describe*): [fill in]

Additional comments: [fill in]

(h) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (*please describe*): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes /No

(a) If yes, what does the joint monitoring cover?

	<i>Hydrological</i>	<i>Ecological</i>	<i>Chemical</i>
Border surface waters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters in the entire basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters on the main watercourse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters in part of the basin please describe [fill in]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transboundary aquifer(s) (connected or unconnected)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations

Please describe: [fill in]

Joint and agreed methodologies

Please describe: [fill in]

Joint sampling

Please describe: [fill in]

Common monitoring network

Please describe: [fill in]

Common agreed parameters

Please describe: [fill in]

-
- (c) Please describe the main achievements regarding joint monitoring, if any: [fill in]
- (d) Please describe any difficulties experienced with joint monitoring: [fill in]
8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?
- Yes /No
- If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]*
9. Have the riparian States agreed to use joint water quality standards?
- Yes /No
- If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]*
10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?
- Notification and communication
- Coordinated or joint early warning or alarm system for accidental water pollution
- Other (please list): [fill in]
- No measures
- If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]*
11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events and climate change?
- Notification and communication
- Coordinated or joint alarm system for floods
- Coordinated or joint alarm system for droughts
- Joint climate change adaptation strategy
- Joint disaster risk reduction strategy
- Other (please list): [fill in]
- No measures
- If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]*
12. Are procedures in place for mutual assistance in case of a critical situation?
- Yes /No
- If yes, please provide a brief summary: [fill in]*
13. Are the public or relevant stakeholders involved in transboundary water management in the basin, sub-basin, part of a basin or group of basins?
- Yes /No

If yes, how? (please tick all applicable)

Stakeholders have observer status in a joint body or mechanism

Stakeholders have an advisory role in the joint body

Stakeholders have a decision-making role in the joint body

If yes, please specify the stakeholders for the joint body or mechanism:
[fill in]

Intergovernmental organizations

Private sectors organizations or associations

Water user groups or associations

Academic or research institutions

Other non-governmental organizations

General public

Other (please specify): [fill in]

Availability of information to the public

Consultation on planned measures or river basin management plans⁴

Public involvement

Other (please specify): [fill in]

⁴ Or, where applicable, aquifer management plans.

Please remember to complete section II for each of the transboundary basins, sub-basin, part of a basin or group of basins. Please also remember to attach copies of agreements or arrangements, if any.

III. Water management at the national level

In this section, you are requested to provide general information on water management at the national level as it relates to transboundary waters. Information on specific transboundary basins, sub-basins, part of basins and groups of basins, should be presented in section II and not repeated here.

1. (a) Does your country's national legislation, policies, action plans and strategies refer to measures to prevent, control and reduce any transboundary impact?

Yes /No

If yes, please briefly describe the main national laws, policies, action plans and strategies [fill in]

- (b) Does your country's legislation provide for the following principles?

Precautionary principle Yes /No

Polluter pays principle Yes /No

Sustainable development Yes /No

User pays principle Yes /No

If yes, please briefly describe how these principles are implemented at the national level:

These principles are the guiding principles of the [Canadian Environmental Protection Act, 1999 \(CEPA\)](#) and the [Fisheries Act](#) which includes a prohibition to release deleterious substances into waters frequented by fish unless releases are authorized through regulations with conditions.

- (c) Does your country have a national licensing or permitting system for wastewater discharges and other point source pollution? (e.g., in industry, mining, energy, municipal, wastewater management or other sectors)?

Yes /No

If yes, for which sectors?

Industry

Mining

Energy

Municipal

Livestock raising

Aquaculture

Other (please list): [fill in]

Please briefly describe the licensing or permitting system, indicating whether the system provides for setting emission limits based on best available technology?

If yes, for which sectors? (please list):

If not, please explain why not (giving the most important reasons) or provide information if there are plans to introduce a licensing or permitting system:

Wastewater discharge permits are issued at the provincial level in Canada.

However, Canada has several regulations that set national level effluent quality requirements for certain sectors. Environment and Climate Change Canada administers and enforces the pollution prevention provisions of the *Fisheries Act*, including subsection 36(3), which prohibits the deposit of deleterious substances into waters frequented by fish, unless authorized by regulations under the *Fisheries Act* or other federal legislation. The effluent regulations are:

- Meat and Poultry Products Plant Liquid Effluent Regulations
- Metal and Diamond Mining Effluent Regulations
- Petroleum Refinery Liquid Effluent Regulations
- Potato Processing Plant Liquid Effluent Regulations
- Pulp and Paper Effluent Regulations
- Wastewater Systems Effluent Regulations

ECCC is in the process of developing regulations related to the coal mining and oil sands sectors as well.

Effluent releases from other sources are subject to the subsection 36(3) prohibition of the *Fisheries Act*.

(d) Are the authorized discharges monitored and controlled?

Yes /No N/A

If yes, how? (Please tick the ones applicable):

- | | |
|------------------------------------------------------|-------------------------------------|
| Monitoring of discharges | <input checked="" type="checkbox"/> |
| Monitoring of physical and chemical impacts on water | <input checked="" type="checkbox"/> |
| Monitoring of ecological impacts on water | <input checked="" type="checkbox"/> |
| Conditions on permits | <input checked="" type="checkbox"/> |
| Inspectorate | <input checked="" type="checkbox"/> |

Other means (*please list*): [fill in]

If your country does not have a discharge monitoring system, please explain why not or provide information if there are plans to introduce a discharge monitoring system:
[fill in]

(e) What are the main measures which your country takes to reduce diffuse sources of water pollution on transboundary waters (e.g., from agriculture, transport, forestry or aquaculture)? The measures listed below relate to agriculture, but other sectors may be more significant. Please be sure to include these under “others”:

Legislative measures

- | | |
|----------------------------------------|-------------------------------------|
| Norm for uses of fertilizers | <input type="checkbox"/> |
| Norms for uses of manure | <input type="checkbox"/> |
| Permitting system | <input type="checkbox"/> |
| Bans on or norms for use of pesticides | <input checked="" type="checkbox"/> |

Others (please list): Pollutant releases from unrelated sectors or activities are subject to the section 36 prohibition of *the Fisheries Act*.

Economic and financial measures

Monetary incentives

Environmental taxes (such as fertilizer taxes)

Others (*please list*):

[Administrative monetary penalties for violations of the *Canadian Environmental Protection Act, 1999*](#)

Agricultural extension services

Technical measures

Source control measures

Crop rotation

Tillage control

Winter cover crops

Others (*please list*): [fill in]

Other measures

Buffer/filter strips

Wetland reconstruction

Sedimentation traps

Chemical measures

Others (*please list*): [fill in]

Other types of measures

If yes, please list: [fill in]

(f) What are the main measures which your country takes to enhance water resources allocation and use efficiency?

Please tick as appropriate (not all might be relevant)

A regulatory system regarding water abstraction

Monitoring and control of abstractions

Water rights are defined

Water allocation priorities are listed

Water-saving technologies

Advanced irrigation techniques

Demand management activities

Other means (please list)

In Canada, water resources allocation and use efficiency is the responsibility of the provincial and territorial governments.

(g) Does your country apply the ecosystems approach?

Yes /No

In 2015, Canada's federal, provincial, and territorial governments released the 2020 Biodiversity Goals and Targets for Canada in response to the United Nations Convention on Biological Diversity's Strategic Plan for Biodiversity 2011-2020 and its global Aichi Biodiversity Targets. Goal A of the 2020 Biodiversity Goals and Targets is, by 2020, Canada's lands and waters are planned and managed using an ecosystem approach to support biodiversity conservation outcomes at local, regional and national scales.

If yes, please describe how: [fill in]

(h) Does your country take specific measures to prevent the pollution of groundwaters?

Yes /No

If yes, please briefly describe the most important measures:

The Geological Survey of Canada through the Groundwater Geosciences Program assesses Canada's key aquifer systems. The data has been used to improve groundwater management and protection.

2. Do your national laws require transboundary environmental impact assessment (EIA)?

Yes /No

If yes, please briefly describe the legislative basis, and any related implementing procedures.

Section 21 of the federal *Impact Assessment Act* requires the Minister of the Environment to consult and cooperate with relevant jurisdictions, including a government of a foreign state, if that jurisdiction has powers, duties or functions related to the assessment of the environmental effects of a project.

Section 176 of the *Canadian Environmental Protection Act, 1999* requires the minister to act to address international water pollution, if the source of the pollution is in Canada.

Canada is party to the UNECE Convention on Environmental Impact Assessment in a Transboundary Context (Espoo Convention). Canada would use its existing federal impact assessment processes to implement the requirements of the Espoo Convention if a project had the potential for transboundary impacts for other Parties to the Convention.

If not, do other measures provide for transboundary EIA? [fill in]

IV. Final questions

1. What are the main challenges your country faces in cooperating on transboundary waters?

-
- Differences between national administrative and legal frameworks
 - Lack of relevant data and information
 - Difficulties in data and information exchange
 - Sectoral fragmentation at the national level
 - Language barrier
 - Resource constraints
 - Environmental pressures, e.g. extreme events
 - Sovereignty concerns

Please list other challenges and/or provide further details: [fill in]

2. What have been the main achievements in-cooperating on transboundary waters?

- Improved water management
- Enhanced regional integration, i.e. beyond water
- Adoption of cooperative arrangements
- Adoption of joint plans and programmes
- Long-lasting and sustained cooperation
- Financial support for joint activities
- Stronger political will for transboundary water cooperation
- Better knowledge and understanding
- Dispute avoidance
- Stakeholder engagement

Please list other achievements, keys to achieving success, and/or provide concrete examples: [fill in]

3. Please indicate which institutions were consulted during the completion of the questionnaire

- Joint body or mechanism
- Other riparian or aquifer countries
- National water management authority
- Environment agency/ authority
- Basin authority (national)
- Local or provincial government
- Geological survey (national)
- Non-water specific ministries, e.g. foreign affairs, finance, forestry and energy
- Civil society organizations
- Water user associations
- Private sector

Other (please list): [Department of Natural Resources \(Natural Resources Canada\)](#)

Please briefly describe the process by which the questionnaire was completed:

This report was compiled by the International Affairs Branch of Environment and Climate Change Canada (ECCC). Section I was completed by the Science and Technology Branch of ECCC, as they will submit this section of the report to the International Hydrological Programme as well. Sections II to IV were completed by the International Affairs Branch. Natural Resources Canada provided all of the information on transboundary aquifers within the report, as they are the government department responsible for aquifers.


4. If you have any other comments please add them here (*insert comments*): [fill in]
5. Name and contact details of the person(s) who filled out the questionnaire (*please insert*):

[Jean-François Ferry \(jean-francois.ferry@canada.ca\)](mailto:jean-francois.ferry@canada.ca)

Date:

Signature:

**Ferry, Jean
Francois**

 Signature numérique de Ferry,
Jean Francois
Date : 2020.10.28 09:58:55 -04'00'

Thank you very much for taking the time to complete this report.

Part 2 – Basins

Name of the transboundary basin, sub-basin, part of a basin or group of basins	<i>Transboundary Basins</i>	<i>Great Lakes</i>	<i>Columbia</i>	<i>Rainy</i>	<i>Souris</i>	<i>Puget Sound-Strait of Georgia-Strait of Juan De Fuca</i>
List of the riparian States	United States	United States	United States	United States	United States	United States
In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin: <i>If selected "Other", please describe: [fill in]</i>	N/A	N/A	N/A	N/A	N/A	N/A
1 Percentage of your country's territory within the basin, sub-basin, part of a basin or group of basins: [fill in]	11,6533252%	2.3240067%* *Included in 11.6533252%	1.020467%* *Included in 11.6533252%	0.3773846%* *Included in 11.6533252%	0.3902388%* *Included in 11.6533252%"	0.0683922%* *Included in 11.6533252%
Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins? <i>Please insert the name of the agreement(s) or arrangement(s) [fill in]</i> <i>If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]</i>	One or more agreements or arrangements exist and are in force Boundary Waters Treaty	One or more agreements or arrangements exist and are in force Boundary Waters Treaty (see column D for Q2 & Q3); Great Lakes Water Quality Agreement (GLWQA); Niagara River Water Diversion Treaty	One or more agreements or arrangements exist and are in force Boundary Waters Treaty (see column D for Q2 & Q3); Columbia River Treaty Skagit River Treaty	One or more agreements or arrangements exist and are in force Boundary Waters Treaty (see column D for Q2 & Q3); Rainy Lake Convention Lake of the Woods Convention and Protocol	One or more agreements or arrangements exist and are in force Boundary Waters Treaty (see column D for Q2 & Q3); Canada-U.S. Agreement on the Souris River Basin	One or more agreements or arrangements exist and are in force Boundary Waters Treaty (see column D for Q2 & Q3); Canada-US treaty for Skagit River, Ross Lake and Seven Mile Reservoir
Agreement	Boundary Waters Treaty	GLWQA	Niagara River Water Diversion Treaty	Columbia River Treaty	Rainy Lake Convention Lake of the Woods Convention and Protocol	Canada-U.S. Agreement on the Souris River Basin

									Ross Lake and Seven Mile Reservoir
2 a	Does this agreement or arrangement specify the area subject to cooperation? If yes, does it cover the entire basin or group of basins and all riparian States? Additional explanations? [fill in]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Yes	Yes	No	No	No	No	Yes	No
	Additional explanations? [fill in]	The Boundary Waters Treaty applies to boundary waters shared by Canada and the US	The Great Lakes Water Quality Agreement covers the entire Great Lakes Basin	The treaty covers only the Niagara River and Niagara Falls	The Treaty covers the Columbia River within the Columbia Basin.	The treaty applies to the water level of the Rainy Lake and the level of other boundary waters in the Rainy Lake Watershed	Yes	The Treaty covers the Lake of the Woods. Yes	(yes/no)
	Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin? Additional explanations? [fill in]	(yes/no)	(yes/no)	(yes/no)	(yes/no)	(yes/no)	(yes/no)	(yes/no)	(yes/no)
	Which States (including your own) are bound by the agreement or arrangement? (Please list): [fill in]	Canada; US	Canada; US	Canada; US	Canada; US	Canada; US	Canada; US	Canada; US	Canada; US
b	If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers? If yes, please list the aquifers covered by the agreement or arrangement: [fill in]	No	No	No	No	No	No	No	No
c	What is the sectoral scope of the agreement or arrangement? If one or several water uses or sectors, please list (check as appropriate):	All water uses	A single water use or sector	Several water uses or sectors	A single water use or sector	All water uses	Several water uses or sectors	Several water uses or sectors	A single water use or sector
	Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Agriculture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Transport (e.g., navigation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Households	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Energy: hydropower and other energy types	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Fisheries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Tourism	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Development of joint regulations on specific topics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development of international or joint river, lake or aquifer basin management or action plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Management of shared infrastructure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development of shared infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please list): [fill in]	The GLWQA comprehensively addresses priority challenges to the water quality and ecosystem health of the Great Lakes organized by 10 issue annexes: Areas of Concern; Lakewide Management; Chemicals of Mutual Concern; Nutrients; Discharges from Vessels; Aquatic Invasive Species; Habitat and Species; Groundwater; Climate Change Impacts; and Science							

e What are the main difficulties and challenges that your country faces with the agreement or arrangement and its implementation, if any?

Aligning implementation of agreement or arrangement with national laws, policies and programmes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aligning implementation of agreement or arrangement with regional laws, policies and programmes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of financial resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insufficient human capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insufficient technical capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tense diplomatic relations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-participation of certain riparian countries in the agreement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No significant difficulties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other (please describe): [fill in]	Implementing the Treaty required significant portions of land in Canada to be inundated, which impacted areas outside the Treaty terms (communities, ecosystem, and sectors such as tourism).							

f What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [fill in]

The Boundary Waters Treaty was signed in 1909 to prevent and resolve disputes over the use of waters shared by Canada and the United States and to settled other transboundary issues. The Treaty established the International Joint Commission to help the two countries carry out its provisions. The International Joint Commission has since worked to resolve more than 100 matters raised by

Through the Agreement the Governments of Canada and the United States work with Tribes, First Nations, Métis, provincial, state and municipal governments, watershed management agencies, other local public agencies, industry and the public to ensure that the Great Lakes remain an important and vibrant natural resource for the benefit and enjoyment of current and future generations. The Governments of Canada

The Treaty established new limitations of water diversion for power generation. Its purpose is to preserve and enhance the scenic beauty of Niagara Falls and the Niagara River, while providing beneficial use of the river waters for power generation. The Treaty has been in effect for over 70 years.

The Treaty has provided certainty regarding water levels and has significantly reduced the risk of destructive flooding. The Treaty also enabled the construction of hydroelectric projects in Canada that provide approximately half of the potential generation in the Province of British Columbia, as well as providing for the production of significantly more electricity at U.S. hydropower facilities.

The Treaty's purpose is to regulate water levels for the benefit of all users of the water system. It has been in

The Agreement provides regulates water supply for Canada, and flood control for the United States, and provides for the administration of a joint water quality program.

The Treaty has successfully been in effect since 1984.

	the Canadian and United States federal governments.	and the United States, together with their many Agreement partners, have established a set of nine overarching indicators of ecosystem health supported by 45 science-based sub-indicators. To report on the state of the Great Lakes in 2019, more than 200 government and non-government Great Lakes scientists and other experts analyzed available data and reached consensus on the assessments of each indicator in relation to both current status and trend.				effect since 1925.			
g	Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [fill in]	https://www.ijc.org/sites/default/files/2018-07/Boundary%20Water-ENGFR.pdf	https://www.canada.ca/en/environment-climate-change/corporate/international-affairs/partnerships-countries-regions/north-america/great-lakes-water-quality-agreement.html	http://www.internationalwateraw.org/documents/regionaldocs/niagara1950.html	https://www.canada.ca/en/environment-climate-change/corporate/international-affairs/partnerships-countries-regions/north-america/canada-united-states-columbia-river.html	https://ijc.org/sites/default/files/2018-08/RainyLakeConvention1938_e.pdf	http://www.ijc.org/files/dockets/Docket%203/Docket%203%20Convention%20and%20Protocol.pdf	https://www.treaty-accord.gc.ca/text-texte.aspx?id=100403	
3	Is your country a member of any joint body or mechanism for this agreement or arrangement? <i>If no, why not? (please explain):</i> [fill in]	Yes	Yes	Yes	No	No	Yes	Yes	No
	If there is a joint body or mechanism, please complete 3. (a)-(k)								
	Name of the joint body or mechanism	International Joint Commission	Great Lakes Executive Committee	International Niagara Committee		International Lake of the Woods Control Board under the International Joint Commission	International Souris River Board		
a	If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?	Bilateral commission	Expert group meeting or meeting of national focal points	Expert group meeting or meeting of national focal points		Expert group meeting or meeting of national focal points	Expert group meeting or meeting of national focal points		

<p><i>If selected "Other", please describe [fill in]</i></p>										
<p>b Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins? <i>Additional comments</i></p>	No	Yes	No		Yes	Yes				
	<p>The International Joint Commission (IJC) only has a mandate in the following basins: Columbia, Great Lakes, Lake Champlain-Richelieu, Red, Milk, Missouri-Poplar, Rainy, Saint John, Souris, St. Lawrence, St. Mary, and St. Croix-Bay of Fundy.</p>		<p>The International Niagara Committee does not cover the entire Great Lakes Basin. It covers the same region as the Niagara River Water Diversion Treaty, which is Niagara River and Falls.</p>							
<p>c Which States (including your own) are members of the joint body or mechanism? <i>(Please list): [fill in]</i></p>	Canada; US	Canada; US	Canada; US		Canada; US	Canada; US				
<p>d Are there any riparian States that are not members of the joint body or mechanism? <i>(please list): [fill in]</i></p>	No	No	No		No	No				
<p>e If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them? <i>If selected "Other", please describe [fill in]</i></p>	N/A	N/A	N/A		N/A	N/A				
<p>f Does the joint body or mechanism have any of the following features <i>(please tick the ones applicable)?</i> A secretariat A subsidiary body or bodies</p>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>				

	Lack of information and reliable forecasts Others (please list and describe, as appropriate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i	Does the joint body or mechanism, or its subsidiary bodies meet regularly? If yes, how frequently does it meet?	Yes More than once per year	Yes More than once per year	Yes More than once per year			Yes More than once per year	Yes More than once per year	
j	What are the main achievements with regards to the joint body or mechanism? [fill in]	The IJC has created more than 20 regional boards and task forces to meet its responsibilities. The IJC has been essential to preventing and resolving transboundary water disputes.							
k	Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate? If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism? [fill in]	No	No	No			No	No	No
4	Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins? If yes, please provide further details: [fill in]	Yes Canada and the U.S. coordinate the management of the basins covered by the IJC	Yes Canada and the U.S. coordinate the management of the Great Lakes Basin through the IJC and its boards; the Great Lakes Water Quality Agreement; and the Niagara River Diversion Treaty. The Great Lakes Water Quality Board, the International Lake Ontario-St. Lawrence River Board, the International Lake Superior Board of Control, the Great Lakes Science Advisory Board and the Great Lakes-St. Lawrence River assist the IJC in the management of the Great Lakes Basin contribute to the management of the Great Lakes Basin. The Great Lakes Water Quality Agreement outlines the shared objectives Canada and the U.S. committed to for the protection of the chemical, physical and biological integrity of the great lakes.		Yes Canada and the U.S. coordinate the management of the Columbia Basin through the IJC and its boards: the International Columbia River Board of Control, the International Kootaney Lake Board of Control, and the International Osoyoos Lake Board of Control.		Yes Canada and the U.S coordinate the management of the Rainy Basin through the Internaitonal Rainy-Lake of the Woods Watershed Board and the International Lake of the Woods Control Board	Yes Canada and the U.S coordinate the management of the Souris Basin through the International Souris River Board and the International Souris River Study Board	No The IJC does not have any Orders or References active in the basin at this time
5	How is the transboundary basin, sub-basin, part of a basins or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?								

Regulation of urbanization, deforestation, and sand and gravel extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental flow norms, including consideration of levels and seasonality	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water-related species and habitats protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other measures (<i>please describe</i>): [fill in]						
6 a Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?	Yes	Yes	Yes	Yes	Yes	No
b If yes, how often:	More than once per year	More than once per year	More than once per year	More than once per year	More than once per year	More than once per year
c Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]	Canada and the U.S. meet in person twice per year for meetings on transboundary water (bilaterally and with the IJC), and hold regular teleconferences to discuss issues as they arise between in-person meetings. The Canadian federal government also meets with the IJC's Canadian section frequently.	Information is exchanged through the joint bodies described above, including IJC Boards, the Great Lakes Executive Committee, and the International Niagara Committee.	Information is exchanged on a federal level through the IJC Boards that operate in the Columbia Basin. Furthermore, federal water level monitoring data is publicly available.	The Boards exchange information regularly.		
d If yes, on what subjects are information and data exchanged?						
Environmental conditions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Research activities and application of best available techniques	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emission monitoring data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planned measures taken to prevent, control or reduce transboundary impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Point source pollution sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diffuse pollution sources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Existing hydromorphological alterations (dams, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flows or water levels (including groundwater levels)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water abstractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Climatological information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Future planned measures with transboundary impacts, such as infrastructure development Other subjects (please list): [fill in]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is there a shared database or information platform?	No	No	No	No	No
f Is the database publicly available? If yes, please provide the web address: [fill in]	N/A	N/A	N/A	N/A	N/A
g What are the main difficulties and challenges to data exchange, if applicable? Frequency of exchanges Timing of exchanges Comparability of data and information Limited spatial coverage Inadequate resources (technical and/or financial) Other (please describe): [fill in]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
h What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]	Having access to all the data available in order to make informed decisions regarding the management of the transboundary basins	Having access to all the data available in order to make informed decisions regarding the management of the transboundary basins	Having access to all the data available in order to make informed decisions regarding the management of the transboundary basins	Having access to all the data available in order to make informed decisions regarding the management of the transboundary basins	Having access to all the data available in order to make informed decisions regarding the management of the transboundary basins
7 Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?	No	No	No	No	No
a If yes, what does the joint monitoring cover? Hydrological Border surface waters Surface waters in the entire basin Surface waters on the main watercourse Surface waters in part of the basin (describe below) Transboundary aquifer(s) (connected or unconnected)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

<p>Common monitoring network Common agreed parameters <i>For each option selected, please describe [fill in]</i></p>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
<p>c Please describe the main achievements regarding joint monitoring, if any: [fill in]</p>					
<p>d Please describe any difficulties experienced with joint monitoring: [fill in]</p>					
<p>8 Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins? <i>If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]</i></p>	<p>Yes</p> <p>On an ad hoc basis, Canada and the US conduct joint studies of issues in transboundary basins. The frequency and scope vary.</p>	<p>Yes</p> <p>Under the GLWQA, Canada and the US assess water quality conditions of the Great Lakes over time. Through the Great Lakes Adaptive Management Committee under the IJC, Canada and the US assess and evaluate water management mechanisms in the Great Lakes Basin.</p>	<p>Yes</p> <p>On an ad hoc basis, Canada and the US conduct joint studies of issues in transboundary basins. The frequency and scope vary.</p>	<p>Yes</p> <p>On an ad hoc basis, Canada and the US conduct joint studies of issues in transboundary basins. The frequency and scope vary.</p>	<p>No</p> <p>On an ad hoc basis, Canada and the US conduct joint studies of issues in transboundary basins. The frequency and scope vary.</p>
<p>9 Have the riparian States agreed to use joint water quality standards? <i>If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]</i></p>	<p>Yes</p> <p>Canada and the US have agreed to use joint water quality standards for some substances in some water bodies, as required. The IJC facilitates joint regulation of these standards.</p>	<p>Yes</p> <p>In 2016, Canada and the U.S. designated eight chemicals as Chemicals of Mutual Concern (CMC) under the GLWQA. CMCs are reviewed according to the Binational Screening Criteria for Nominated CMCs, developed by Environment and Climate Change Canada and the U.S. Environmental Protection Agency.</p>	<p>No</p>	<p>No</p>	<p>No</p>
<p>10 What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?</p> <p>Notification and communication Coordinated or joint early warning or alarm system for accidental water pollution No measures Other (please list): [fill in] <i>If not, why not? What difficulties does your</i></p>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

<i>country face in putting in place such measures?: [fill in]</i>						
1	What are the measures implemented to prevent or limit the transboundary impact of extreme weather events and climate change?					
1	Notification and communication	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Coordinated or joint alarm system for floods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Coordinated or joint alarm system for droughts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Joint climate change adaptation strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Joint disaster risk reduction strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	No measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other (please list): [fill in]					
	<i>If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]</i>					
1	Are procedures in place for mutual assistance in case of a critical situation?	No	No	No	No	No
2	<i>If yes, please provide a brief summary: [fill in]</i>					
1	Are the public or relevant stakeholders involved in transboundary water management in the basin, sub-basin, part of a basin or group of basins?	Yes	Yes	Yes	Yes	No
3	<i>If yes, how? (please tick all applicable)</i>					
	Stakeholders have observer status in a joint body or mechanism	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stakeholders have an advisory role in the joint body	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stakeholders have a decision-making role in the joint body (please specify below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Availability of information to the public	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Consultation on planned measures or	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<p>river basin management plans Public involvement Other (please specify): [fill in]</p>	<p>■ The IJC's water management boards seek the advice of stakeholders regarding the mandate and activities of the boards</p>	<p>■ Stakeholders are consulted on planned measures within the basin. A Public Advisory Group provided input to the Great Lakes Adaptive Management Committee's review of Lake Ontario's Regulation Plan 2014.</p>	<p>□</p>	<p>□ Stakeholders provide oversight and advice to the International Rainy-Lake of the Woods Watershed Board on issues related to its mandate through the Community Advisory Group and the Industry Advisory Group</p>	<p>□ The International Souris River Study Board has created a Public Advisory Group to better understand the impacts and benefits of various alternative operating plans in the basin.</p>
<p><i>If stakeholders have a decision-making role in the joint body, please specify the stakeholders for the joint body or mechanism:</i> Intergovernmental organizations Private sectors organizations or associations Water user groups or associations Academic or research institutions Other non-governmental organizations General public Other (please specify): [fill in]</p>	<p>□ □ □ □ □ □</p>	<p>□ □ □ □ □ □</p>	<p>□ □ □ □ □ □</p>	<p>□ □ □ □ □ □</p>	<p>□ □ □ □ □ □</p>

Name of the transboundary basin,—sub-basin, part of a basin or group of basins	Abbotsford-Sumas	Chateauguay	Milk River	Richelieu- Yamaska/Lake Champlain	Okanagan-Osoyoos	Grand Forks	Poplar	Estevan	Northern Great Plains	Judith River
<i>If one or several water uses or sectors, please list (check as appropriate):</i>										
Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transport (e.g., navigation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Households	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy: hydropower and other energy types	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fisheries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tourism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nature protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please list): [fill in]										
d What topics or subjects of cooperation are included in the agreement or arrangement?										
Procedural and institutional issues										
Dispute and conflict prevention and resolution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Institutional cooperation (joint bodies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consultation on planned measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mutual assistance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Topics of cooperation										
Joint vision and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joint significant water management issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Navigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Human health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental protection (ecosystem)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water quantity or allocation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cooperation in addressing floods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cooperation in addressing droughts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Climate change adaptation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring and exchange										
Joint assessments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data collection and exchange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joint monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance of joint pollution inventories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Elaboration of joint water quality objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Common early warning and alarm procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exchange of experience between riparian States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exchange of information on planned measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name of the transboundary basin,—sub-basin, part of a basin or group of basins										
	<i>Abbotsford-Sumas</i>	<i>Chateauguay</i>	<i>Milk River</i>	<i>Richelieu- Yamaska/Lake Champlain</i>	<i>Okanagan-Osoyoos</i>	<i>Grand Forks</i>	<i>Poplar</i>	<i>Estevan</i>	<i>Northern Great Plains</i>	<i>Judith River</i>
Joint planning and management										
Development of joint regulations on specific topics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development of international or joint river, lake or aquifer basin management or action plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Management of shared infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development of shared infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (<i>please list</i>): [fill in]										
e										
What are the main difficulties and challenges that your country faces with the agreement or arrangement and its implementation, if any?										
Aligning implementation of agreement or arrangement with national laws, policies and programmes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aligning implementation of agreement or arrangement with regional laws, policies and programmes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of financial resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insufficient human capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insufficient technical capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tense diplomatic relations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-participation of certain riparian countries in the agreement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No significant difficulties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (<i>please describe</i>): [fill in]										
f										
What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [fill in]										
g										
Please attach a copy of the agreement or arrangement or provide the web address of the document (<i>please attach document or insert web address, if applicable</i>): [fill in]										
3										
Is your country a member of any joint body or mechanism for this agreement or arrangement? <i>If no, why not? (please explain):</i> [fill in]	No	Yes	No							
If there is a joint body or mechanism, please complete 3. (a)-(k)										
Name of the joint body or mechanism										

Name of the transboundary basin,—sub-basin, part of a basin or group of basins	Abbotsford-Sumas	Chateauguay	Milk River	Richelieu- Yamaska/Lake Champlain	Okanagan-Osoyoos	Grand Forks	Poplar	Estevan	Northern Great Plains	Judith River
a If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)? If selected "Other", please describe [fill in]										
b Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins? Additional comments										
c Which States (including your own) are members of the joint body or mechanism? (Please list): [fill in]	Canada; US Canada; US Canada; US									
d Are there any riparian States that are not members of the joint body or mechanism? (please list): [fill in]	No No No									
e If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them? If selected "Other", please describe [fill in]										
f Does the joint body or mechanism have any of the following features (please tick the ones applicable)? A secretariat A subsidiary body or bodies Other features (please list): [fill in] If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): [fill in] Please list subsidiary body or bodies (e.g., working groups on specific topics): [fill in]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g What are the tasks and activities of this joint body or mechanism? Identification of pollution sources Data collection and exchange Joint monitoring Maintenance of joint pollution inventories Setting emission limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identification of pollution sources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data collection and exchange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joint monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance of joint pollution inventories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Setting emission limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name of the transboundary basin,—sub-basin, part of a basin or group of basins	Abbotsford-Sumas	Chateauguay	Milk River	Richelieu- Yamaska/Lake Champlain	Okanagan-Osoyoos	Grand Forks	Poplar	Estevan	Northern Great Plains	Judith River
Elaboration of joint water quality objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Management and prevention of flood or drought risks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preparedness for extreme events, e.g., common early warning and alarm procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surveillance and early warning of water related disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water allocation and/or flow regulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Policy development	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control of implementation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exchange of experience between riparian States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exchange of information on existing and planned uses of water and related installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Settling of differences and conflicts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consultations on planned measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exchange of information on best available technology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Participation in transboundary EIA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development of river, lake or aquifer basin management or action plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Management of shared infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Addressing hydromorphological alterations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Climate change adaptation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joint communication strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basin-wide or joint public participation and consultation of, for example, basin management plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joint resources to support transboundary cooperation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Capacity-building	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Any other tasks (<i>please list</i>): [fill in]										
h What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?										
Governance issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unexpected planning delays	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of mechanism for implementing measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of effective measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unexpected extreme events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of information and reliable forecasts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Surface waters in the entire basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters on the main watercourse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters in part of the basin (describe below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transboundary aquifer(s) (connected or unconnected)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake <i>If "Surface waters in part of basin", please describe [fill in]</i> <i>Ecological</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Border surface waters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters in the entire basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters on the main watercourse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters in part of the basin (describe below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transboundary aquifer(s) (connected or unconnected)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake <i>If "Surface waters in part of basin", please describe [fill in]</i> <i>Chemical</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Border surface waters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters in the entire basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters on the main watercourse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters in part of the basin (describe below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transboundary aquifer(s) (connected or unconnected)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake <i>If "Surface waters in part of basin", please describe [fill in]</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If joint monitoring is carried out, how is this done?										
National monitoring stations connected through a network or common stations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joint and agreed methodologies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joint sampling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Common monitoring network	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Common agreed parameters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>For each option selected, please describe [fill in]</i>										
c Please describe the main achievements regarding joint monitoring, if any: [fill in]										

