

Rideau Canal

1. World Heritage Property Data

1.1 - Name of World Heritage property

Rideau Canal

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Rideau Canal	44.994 / -75.765	21427.07	2334.78	23761.85	0
Fort Henry, Kingston	44.231 / -76.46	23.9	11.88	35.78	0
Fort Frederick, Kingston	44.228 / -76.47	3.1	3	6.1	0
Cathcart Tower, Cedar Island	44.225 / -76.454	0.25	9.15	9.4	0
Shoal Tower, Kingston	44.229 / -76.478	0.32	1.68	2	0
Murney Tower, Kingston	44.222 / -76.49	0.17	2.71	2.88	0
Total (ha)		21454.81	2363.2	23818.01	

1.4 - Map(s)

Title	Date	Link to source
Map 1. Rideau Canal. Nominated property.	2006	
Rideau Canal - maps of inscribed property	2007	

1.5 - Web and Social Media data of the property (if applicable)

1. [World Heritage in Canada](#)
2. [Rideau Canal National Historic Site of Canada](#)

Comment

Kingston Fortifications: <https://parks.canada.ca/lhn-nhs/on/kingston>; <https://parcs.canada.ca/lhn-nhs/on/kingston> Fort Henry: https://www.pc.gc.ca/apps/dfhd/page_nhs_eng.aspx?id=393 ; https://www.pc.gc.ca/apps/dfhd/page_nhs_fra.aspx?id=393 Facebook (Rideau Canal): <https://www.facebook.com/RideauCanalNHS/> ; <https://www.facebook.com/LHNCanalRideau/> Twitter (Rideau Canal): <https://twitter.com/NHSRideauCanal> ; <https://twitter.com/LHNCanalRideau>

2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)

2.1 - Records indicate that your World Heritage property (in whole or in part) is designated and/or protected under the Conventions/programmes shown in the prefilled table below. Please check and amend as necessary.

		The World Heritage property (in whole or in part) <u>is</u> designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) <u>is not</u> designated and/or protected under this convention/programme
2.1.1	International Register of Cultural Property under Special Protection (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		✕
2.1.2	List of Cultural Property under Enhanced Protection (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		✕
2.1.3	The List of Wetlands of International Importance (The Ramsar List) (Convention on Wetlands of International Importance (Ramsar Convention))		✕
2.1.4	World Network of Biosphere Reserves Man and the Biosphere (MAB) Programme	✕	
2.1.5	Global Geoparks Network UNESCO Global Geoparks		✕

2.2 - Please provide comments on 2.1 if necessary

A portion of the Rideau Canal falls within the Frontenac Arch Biosphere Reserve

2.3 - Do your national authorities intend to request the granting of Enhanced Protection (if relevant) under the Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict for the World Heritage property in the next three years?

Not applicable

2.4 - Do your national authorities intend to designate whole or part of the World Heritage property for inclusion in the List of Wetlands of International Importance (The Ramsar List), if relevant, in the next three years?

No

2.5 - Do your national authorities intend to designate whole or part of the World Heritage property as a Man and Biosphere Reserve (if relevant) in the next three years?

No

2.6 - Do your national authorities intend to apply for whole or part of World Heritage property to be designated as a UNESCO Global Geopark (if relevant) in the next three years?

Not applicable

2.7 - Please indicate the level of cooperation at property level between designations under different Conventions/Programmes

2.7.1	1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.2	Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.3	Convention on Wetlands of International Importance (Ramsar Convention)	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.4	Man and the Biosphere (MAB) Programme	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	✕
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.5	UNESCO Global Geoparks	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	

2.8 - Please add any further comments on cooperation with the other designation(s)/programme(s)

Parks Canada works with Frontenac Arch Biosphere (FAB) as a member of their advisory committee and meets regularly in that capacity through representation from Thousand Islands National Park. The agency also works with FAB on specific project committees related to joint areas of interest, such as local hiking trail development, conservation efforts, and combating invasive species.

2.9 - Are you aware of any elements associated with the World Heritage property that have been inscribed on the Representative List of the Intangible Cultural Heritage?

No

2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the Intangible Cultural Heritage of which you are aware

2.11 - Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?

No

2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you are aware.

3. Statement of Outstanding Universal Value

3.1 - Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee

Statement of Outstanding Universal Value

The Rideau Canal is a large strategic canal constructed for military purposes which played a crucial contributory role in allowing British forces to defend the colony of Canada against the United States of America, leading to the development of two distinct political and cultural entities in the north of the American continent, which can be seen as a significant stage in human history.

Criterion (i): The Rideau Canal remains the best preserved example of a slackwater canal in North America demonstrating the use of European slackwater technology in North America on a large scale. It is the only canal dating from the great North American canal-building era of the early 19th century that remains operational along its original line with most of its original structures intact.

Criterion (iv): The Rideau Canal is an extensive, well preserved and significant example of a canal which was used for a military purpose linked to a significant stage in human history - that of the fight to control the north of the American continent.

The nominated property includes all the main elements of the original canal together with relevant later changes in the shape of watercourses, dams, bridges, fortifications, lock stations and related archaeological resources. The original plan of the canal, as well as the form of the channels, has remained intact. The Rideau Canal has fulfilled its original dynamic function as an operating waterway without interruption since its construction. Most of its lock gates and sluice valves are still operated by hand-powered winches.

All the elements of the nominated area (canal, associated buildings and forts) are protected as national historic sites under the Historic Sites and Monuments Act 1952-3. A buffer zone has been established. Repairs and conservation of the locks, dams, canal walls and banks are carried out directly under the control of Parks Canada. Each year one third of the canal's assets are thoroughly inspected by engineers. A complete inventory thus exists of the state of conservation of all parts of the property. A Management Plan exists for the canal (completed in 1996 and updated in 2005), and plans are nearing completion for Fort Henry and the Kingston fortifications. The Canal Plan is underpinned by the Historic Canals Regulations which provide an enforcement mechanism for any activities that might impact on the cultural values of the monument.

Comment

Revisions required for second-last sentence: "Site management is supported by the Rideau Canal National Historic Site of Canada Management Plan, 2022; the Fort Henry National Historic Site of Canada Management Plan, 2007 and the Kingston Fortifications National Historic Site of Canada Management Plan, 2007 (new joint plan to be completed in 2023); and the Rideau Canal World Heritage Site Management Plan, 2005.

3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	navigation route	×			
3.2.2	authentic, continuous operation	×			
3.2.3	slackwater engineering technology, including dams, weirs, locks	×			
3.2.4	defensible buildings, including blockhouses, defensible lockmaster houses, fortifications	×			
3.2.5	strategic location/view between defensive structures and locks; strategic location/field of fire between fortifications	×			
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					

3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

3.3 - Comments, conclusions and/or recommendations related to Statement of Outstanding Universal Value

OUV/SoC maintained through application of Parks Canada's Cultural Resource Management Policy and the Standards & Guidelines for the Conservation of Historic Places in Canada; asset condition review every 3 years; Commemorative Integrity Evaluation every 10 years; \$103 million since 2015 to rehabilitate locks, dams, weirs, bridges on canal and components of Fort Henry. Additional \$10 million committed for Fort Henry and \$12.5 million for Fort Frederick in 2023.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✕	✕	✕		✕			↗

4.1.2 - Commercial development

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Potential, Outside

✕ Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✕	✕	✕		✕			↗

4.1.3 - Industrial areas

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (19/09/2013):

- Relevant, Positive, Negative, Current, Potential, Outside

✕ Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive ✕	✕	✕		✕		→	
🔴 Negative ✕	✕	✕		✕		→	

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (19/09/2013):

- Relevant, Positive, Current, Potential, Inside, Outside

✕ Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing

Positive							
Negative							

4.1.6 - Please comment as necessary on how the factors selected as relevant in 4.1 are affecting the property either negatively or positively

Development on lands located within/adjacent to buffer zone and setting can have a visual impact. Increase in high rise development in downtown Kingston / along Kingston harbourfront impacting key views/visual relationship between fortifications, and between fortifications and canal. New pedestrian and vehicular bridges in urban sectors of waterway. Impacts mitigated through environmental and cultural heritage impact assessments, municipal zoning and official plan policies.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (19/09/2013):

- Relevant, Positive, Negative, Current, Potential, Outside

Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative							

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative							

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative							

4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively

New development over the canal in the form of pedestrian and vehicular bridges in urban sectors of waterway, Ottawa and Kingston. New light rail transit tunnel underneath canal in Ottawa with two transit stations in close proximity to waterway presents increased accessibility to waterway in all four seasons.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (19/09/2013):


- Not relevant

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕	✕	✕				
 Negative							

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative ✕	✕	✕		✕			

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant				✕ Not relevant			
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4.3.4 - Localised utilities

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative ✕	✕	✕		✕			

4.3.5 - Major linear utilities

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant				✕ Not relevant			
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4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

Visual impact of infrastructure on setting of the property. Mitigated through early consultation to explore options for location within required zone and application of landscaping treatments/design.

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant				✕ Not relevant			
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4.4.2 - Ground water pollution

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Inside, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							

Negative							
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4.4.3 - Surface water pollution

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative							

4.4.4 - Air pollution

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.4.5 - Solid waste

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.4.6 - Input of excess energy

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

Ground water and surface water pollution can impact water quality, including occurrences of blue-green algae. Impacts human health, visual quality and recreational use of waterway.

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.5.2 - Aquaculture

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.5.3 - Land conversion

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.5.5 - Crop production

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	Not relevant
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4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.5.8 - Commercial hunting

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.5.9 - Subsistence hunting

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.6.2 - Quarrying

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.6.3 - Oil and gas

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.6.4 - Water (extraction)

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
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4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively














4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Previous answer Cycle 2 (19/09/2013):

- Not relevant

✕ Relevant	Not relevant		
	Impact	Origin	Trend of impact

Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 							

4.7.2 - Relative humidity

Previous answer Cycle 2 (19/09/2013):

- Not relevant







Relevant	 Not relevant
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4.7.3 - Temperature

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Inside, Outside

 Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 							

4.7.4 - Radiation/Light

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	 Not relevant
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4.7.5 - Dust

Previous answer Cycle 2 (19/09/2013):

- Not relevant
















Relevant	 Not relevant
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4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Inside, Outside

 Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 							

4.7.7 - Pests

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	 Not relevant
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4.7.8 - Micro-organisms

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	 Not relevant
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4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

Increase in wind associated with climate change-related increase in frequency/severity of storms. Has the potential to impact trees on property, damage buildings and engineering works.

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (19/09/2013):

- Not relevant










Relevant	✕ Not relevant
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4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (19/09/2013):

- Relevant, Positive, Current, Potential, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕	✕	✕	✕		→	
 Negative							

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (19/09/2013):

- Not relevant










Relevant	✕ Not relevant
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4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (19/09/2013):

- Not relevant

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕	✕	✕	✕			↗
 Negative							

4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (19/09/2013):

- Not relevant










Relevant	✕ Not relevant
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4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (19/09/2013):

- Relevant, Positive, Negative, Current, Potential, Inside, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕	✕	✕	✕		→	
 Negative ✕	✕	✕	✕	✕		→	

4.8.7 - Please comment as necessary on how the factors selected as relevant in 4.8 are affecting the property either negatively or positively

New facilities adjacent to property can alter setting but attract more visitors to experience & learn about site. Rehabilitated, historic resorts on waterway, camping facilities at lockstations support historic character, visitor experience, animation of waterway as well as support local businesses. Over the past 10 years there has been growing appreciation, understanding and incorporation of Indigenous history, values and knowledge through commitment to consultation and reconciliation.









4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							

⊖ Negative ✕	✕	✕		✕		→	
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4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive							
⊖ Negative ✕	✕	✕		✕		→	

4.9.3 - Military training

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.9.4 - War

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.9.5 - Terrorism

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.9.6 - Civil unrest

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.9.7 - Please comment as necessary on how the factors selected as relevant in 4.9 are affecting the property either negatively or positively

Minor, periodic occurrences: graffiti on assets; break & enter into storage buildings; in-water and shoreline works such as shoreline alterations, docks undertaken without an approved work permit.

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive							
⊖ Negative ✕	✕	✕		✕			↗

4.10.2 - Flooding

Previous answer Cycle 2 (19/09/2013):






- Relevant, Negative, Current, Potential, Inside, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive							
⊖ Negative ✕	✕	✕	✕	✕		→	

4.10.3 - Drought

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Inside, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative ✕	✕	✕	✕	✕			

4.10.4 - Desertification

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (19/09/2013):











- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.10.6 - Temperature change

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative ✕	✕	✕		✕			

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Outside

Relevant	✕ Not relevant
----------	----------------

4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively

Temperature changes between summer and winter, freeze/thaw effects, flooding and drought impact engineering works including locks and dams, as well as buildings. It also impacts the ability to maintain through navigation.

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.11.2 - Earthquake

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Potential, Inside, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative ✕	✕	✕	✕	✕			

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✖ Not relevant
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4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✖ Not relevant
----------	----------------

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Current, Potential, Inside, Outside

✖ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative ✖	✖	✖	✖	✖		→	

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (19/09/2013):

- Relevant, Negative, Potential, Inside, Outside

Relevant	✖ Not relevant
----------	----------------

4.11.7 - Please comment as necessary on how the factors selected as relevant in 4.11 are affecting the property either negatively or positively

Earthquakes have the potential to impact structural integrity of all built components of the property, including engineering components and buildings. Relatively low rate of activity in region, and below magnitude 5 event threshold for damage. Erosion of shoreline of canal route over time in areas due to shoreline alteration/limited vegetation; wave action; sandy soils.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✖ Not relevant
----------	----------------

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✖ Not relevant
----------	----------------

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✖ Not relevant
----------	----------------

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✖ Not relevant
----------	----------------

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✖ Not relevant
----------	----------------

4.12.6 - Modified genetic material

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or positively

Eurasian millfoil and Starry stonewort are two invasive species (weeds) which impact / have the potential to impact navigation along the canal due to growth within the navigation channel. Managed through weed harvesting and targeted removal.

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕	✕	✕	✕			↗
➖ Negative							

4.13.2 - Legal framework

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕	✕	✕	✕			↗
➖ Negative							

4.13.3 - Governance

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕	✕	✕	✕		→	
➖ Negative							

4.13.4 - Management activities

Previous answer Cycle 2 (19/09/2013):

- Relevant, Positive, Current, Potential, Inside, Outside
















✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕	✕	✕	✕		→	
➖ Negative							

4.13.5 - Financial resources

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕	✕	✕	✕			↗
➖ Negative							

4.13.6 - Human resources

✕ Relevant	Not relevant						
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive 							
 Negative							

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (19/09/2013):

- Relevant, Positive, Current, Potential, Inside

 Relevant				Not relevant			
--	--	--	--	--------------	--	--	--

	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive 							
 Negative							

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (19/09/2013):

- Not relevant

Relevant	 Not relevant
----------	--

4.13.9 - Please comment as necessary on how the factors selected as relevant in 4.13 are affecting the property either negatively or positively



















































New Rideau Canal NHS management plan approved 2022 provides strategic, results-based direction for management of the site for the next 10 years. New management plans for Fort Henry and the Kingston Fortifications underway. Bill C-23 Historic Places of Canada Act, if passed, will increase protection/enforcement mechanisms for historic sites and waterways in Canada. Since 2015, over \$131M invested to rehabilitate locks, dams, bridges. 2023: \$10M for Fort Henry and \$12.5M for Fort Frederick

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact			Origin	Trend	
4.1 Buildings and Development						
4.1.1 Housing						
						
4.1.2 Commercial development						
						
4.1.4 Major visitor accommodation and associated infrastructure						
						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
						
4.2.2 Underground transport infrastructure						
4.2.5 Effects arising from use of transportation infrastructure						
						
4.3 Services Infrastructures						
4.3.1 Water infrastructure						

4.3.2 Renewable energy facilities						
	⊖	⚡	⚡		🔄	➡
4.3.4 Localised utilities						
	⊖	⚡	⚡		🔄	➡
4.4 Pollution						
4.4.2 Ground water pollution						
	⊖	⚡	⚡		🔄	➡
4.4.3 Surface water pollution						
	⊖	⚡	⚡		🔄	➡
4.7 Local conditions affecting physical fabric						
4.7.1 Wind						
	⊖	⚡	⚡	⊙	🔄	➡
4.7.3 Temperature						
	⊖	⚡	⚡	⊙	🔄	➡
4.7.6 Water (rain/water table)						
	⊖	⚡	⚡	⊙	🔄	➡
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage	⊕	⚡	⚡	⊙	🔄	➡
4.8.4 Changes in traditional ways of life and knowledge system	⊕	⚡	⚡	⊙	🔄	➡
4.8.6 Impacts of tourism/Visitation/Recreation	⊕	⚡	⚡	⊙	🔄	➡
	⊖	⚡	⚡	⊙	🔄	➡
4.9 Other human activities						
4.9.1 Illegal activities						
	⊖	⚡	⚡		🔄	➡
4.9.2 Deliberate destruction of heritage						
	⊖	⚡	⚡		🔄	➡
4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖	⚡	⚡		🔄	➡
4.10.2 Flooding						
	⊖	⚡	⚡	⊙	🔄	➡
4.10.3 Drought						
	⊖	⚡	⚡	⊙	🔄	➡
4.10.6 Temperature change						
	⊖	⚡	⚡		🔄	➡
4.11 Sudden ecological or geological events						
4.11.2 Earthquake						
	⊖	⚡	⚡	⊙	🔄	➡
4.11.5 Erosion and siltation/Deposition						
	⊖	⚡	⚡	⊙	🔄	➡
4.13 Management and institutional factors						

	Decreasing
	Static
✕	Increasing

Name	Impact			Origin		Trend
4.1.2 Commercial development						
	⊖	📉	📈		🔄	➡️

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources





Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact			Origin		Trend
4.1.4 Major visitor accommodation and associated infrastructure	⊕	📉	📈		🔄	➡️
	⊖	📉	📈		🔄	➡️

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact	
✕	One off or rare

	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	  	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
✕	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing

✕	Static
	Increasing

4.2 Transportation Infrastructure

Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	<div>+</div> <div>⚠</div> <div>⚠</div>	<div>↻</div>	<div>↗</div>
	<div>-</div> <div>⚠</div> <div>⚠</div>	<div>↻</div>	<div>↗</div>

Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

	Insignificant
✕	Minor
	Significant
	Major

Management response - Capacity of management to respond

	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years

	Decreasing
	Static
✕	Increasing






Name	Impact	Origin	Trend
4.2.2 Underground transport infrastructure	<div>+</div> <div>⚠</div> <div></div>	<div>↻</div>	<div>→</div>
	<div></div> <div></div> <div></div>	<div></div>	<div></div>

Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.2.5 Effects arising from use of transportation infrastructure						
						

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water infrastructure	<div>+</div> <div>🚧</div> <div>🚧</div>	<div>🔄</div> <div></div>	<div>→</div>

Spatial scale - Area affected by the factor	
	Restricted
	Localised
✕	Extensive
	Widespread

Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going

Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major






Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.3.2 Renewable energy facilities	<div></div> <div></div> <div></div>	<div></div> <div></div>	<div></div>
	<div>−</div> <div>🚧</div> <div>🚧</div>	<div></div> <div>🔄</div>	<div>↗</div>

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread





Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact			Origin		Trend
4.3.4 Localised utilities						
						




Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity

	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

4.4 Pollution

Name	Impact			Origin		Trend
4.4.2 Ground water pollution						
						







Spatial scale - Area affected by the factor						
	Restricted					
✕	Localised					
	Extensive					
	Widespread					
Temporal scale - Occurrence of the impact						
	One off or rare					
✕	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - Impact on the attributes						
✕	Insignificant					
	Minor					
	Significant					
	Major					
Management response - Capacity of management to respond						
	High capacity					
✕	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - Development over the last 6 years						
✕	Decreasing					
	Static					
	Increasing					

Name	Impact			Origin		Trend
4.4.3 Surface water pollution						
						

Spatial scale - Area affected by the factor						
	Restricted					
✕	Localised					
	Extensive					







	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
✕	Decreasing
	Static
	Increasing

4.7 Local conditions affecting physical fabric

Name	Impact			Origin		Trend
4.7.1 Wind						
						

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity

✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.7.3 Temperature			
	  	 	







Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread

Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources





Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.7.6 Water (rain/water table)			
	  	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive







✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

4.8 Social/Cultural uses of heritage













Name	Impact			Origin		Trend
4.8.2 Society's valuing of heritage						

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity

✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.8.4 Changes in traditional ways of life and knowledge system	  	 	






Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
	Medium capacity
✕	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	  	 	
	  	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive






✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

4.9 Other human activities

Name	Impact			Origin		Trend
4.9.1 Illegal activities						
						

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity

✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.9.2 Deliberate destruction of heritage			
			
			

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread





Temporal scale - Occurrence of the impact	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.1 Storms			
			
			







Spatial scale - Area affected by the factor	
	Restricted

	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.10.2 Flooding			
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>

Spatial scale - Area affected by the factor	
	Restricted
✕	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	






	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.10.3 Drought			
	  	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major







Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.10.6 Temperature change			
	  		






Spatial scale - Area affected by the factor	
	Restricted

	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

4.11 Sudden ecological or geological events

Name	Impact	Origin	Trend
4.11.2 Earthquake			
	  	 	
Spatial scale - Area affected by the factor			
✕	Restricted		
	Localised		
	Extensive		
	Widespread		
Temporal scale - Occurrence of the impact			
✕	One off or rare		
	Intermittent or sporadic		
	Frequent		
	On-going		
Impact - Impact on the attributes			
✕	Insignificant		
	Minor		
	Significant		
	Major		

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.11.5 Erosion and siltation/Deposition						
						






Spatial scale - Area affected by the factor	
	Restricted
	Localised
✕	Extensive
	Widespread

Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going







Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
	Medium capacity
✕	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

4.13 Management and institutional factors






Name	Impact			Origin		Trend
4.13.1 Management system/Management plan						

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.2 Legal framework	  	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing






Name	Impact	Origin	Trend
4.13.3 Governance	  	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread

Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going




Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.4 Management activities	  	 	






Spatial scale - Area affected by the factor	
---	--

	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.13.5 Financial resources						

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	

	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.13.6 Human resources	  	 	





Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread

Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	  	 	

Spatial scale - Area affected by the factor	
	Restricted

✕	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
✕	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

4.17. Serial inscriptions (national or transnational)

4.17.1 - If your property is a serial inscription (national or transnational) please identify which components of the property are impacted by each factor

The Rideau Canal is impacted by all factors identified above, and form the basis for the responses. Fort Henry and the Kingston Fortifications are impacted by many of the factors, except for those related to water (flooding, surface and ground water pollution, erosion) and transportation infrastructure.

4.18. Prediction of the state of conservation at next cycle of Periodic Reporting.

4.18.1 - Please predict what the state of conservation of each attribute will be approximately 6 years from now (at the time of the next cycle of Periodic Reporting)

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	navigation route	✕			
4.18.1.2	authentic, continuous operation	✕			
4.18.1.3	slackwater engineering technology, including dams, weirs and locks	✕			
4.18.1.4	defensible buildings, including blockhouses, defensible lockmaster houses, fortifications	✕			
4.18.1.5	strategic location/view between defensive structure and locks; strategic location/field of fire between fortifications	✕			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

5.1.1 - Are the boundaries of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The boundaries are **adequate to maintain** the property's Outstanding Universal Value

5.1.2 - Are the boundaries of the World Heritage property known and recognised?

The boundaries **are known by both** the management authority and local communities/landowners

5.1.3 - Are the buffer zone(s) of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The buffer zones are **adequate** to maintain the property's Outstanding Universal Value

5.1.4 - Are the boundaries of the buffer zones known and recognised?

The buffer zones of the World Heritage property **are known and recognised by both** the management authority and local communities/landowners

5.1.5 - Comments, conclusions and/or recommendations related to boundaries and buffer zones of the World Heritage property

Increasing public awareness and understanding of the 30m buffer zone along canal. Lands in buffer zone largely privately owned; development under municipal jurisdiction, supported by 30m min development setback from water. Recent (2023) changes to provincial policy affecting municipal ability to effectively control/influence development; exploring alternative policy. Increase in high rise development in Kingston outside buffer impacting visual relationship between serial components of property

5.2. Protective Measures

5.2.1 - Protective designation (legal, regulatory, contractual, planning, institutional and/or traditional).

- The structures of the nominated property, that is to say the canal structure and associated lockhouses and defensive structures, are all owned by the government of Canada.
- All the elements of the nominated area (canal, associated buildings and forts) are protected as national historic sites under the Historic Sites and Monuments Act 1952-3.
- Historic Sites and Monuments Act, 1952-53:
- The elements of the property have been commemorated as national historic sites of Canada under the authority of the Government of Canada's Historic Sites and Monuments Act (Appendix N), which empowers the Minister responsible for the Parks Canada Agency to commemorate, acquire and administer historic places pursuant to the act.
- Rideau Canal National Historic Site of Canada, 1926 Fort Henry National Historic Site of Canada, 1923 Kingston Fortifications National Historic Site of Canada, 1989. The designation includes Fort Henry, Murney Tower (also designated as a national historic site in its own right, in 1930), Shoal Tower, Fort Frederick and Cathcart Tower. Merrickville Blockhouse is contained within the Rideau Canal property, at the Merrickville Lockstation, and is also a national historic site in its own right, designated in 1939.
- Parks Canada Agency Act, 1998:
- The Parks Canada Agency's responsibilities to commemorate, acquire and administer historic places are defined under the authority of the Parks Canada Agency Act.
- Department of Transport Act, 1985:
- Pursuant to the Department of Transport Act, the Historic Canals Regulations are a third legislation mechanism under which the property is protected. The Parks Canada Agency administers the Historic Canals Regulations, which apply to the management, maintenance, use and protection of historic canals.

Source: Advisory Body Evaluation, Nomination File, Periodic Reporting Cycle 2

Comment

The Rideau Canal portion of the world heritage site is designated (2000) under the Canadian Heritage Rivers System as the Rideau Waterway Canadian Heritage River.

5.2.2 - Please list any legislation and other measures (regulatory -including spatial planning- contractual, institutional or traditional) not included in 5.2.1 and indicate the category

2022 / Rideau Canal and Merrickville Blockhouse National Historic Sites of Canada Management Plan / Legislated under the Parks Canada Agency Act, this plan replaces the 2005 Management Plan and provides strategic direction for the management of the site for the next 10 years. / <https://parks.canada.ca/lhn-nhs/on/rideau/info/plan>; <https://parcs.canada.ca/lhn-nhs/on/rideau/info/plan>

2013 / Cultural Resources Management Policy, 2013 (Parks Canada) / Replaces Cultural Resource Management Policy, 1994 (Parks Canada) /

2021 / Directive on the Management of Real Property (Treasury Board of Canada) / Replaces the Policy on Management of Real Property, 2006 (Treasury Board of Canada) / <https://www.tbs-sct.canada.ca/pol/doc-eng.aspx?id=32691>; <https://www.tbs-sct.canada.ca/pol/doc-fra.aspx?id=32691>

5.2.3 - Is the legal framework (i.e. legislation and/or regulation including spatial planning) adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an **adequate basis for effective management and protection**

5.2.4 - Is the legal framework (i.e. legislation and/or regulation) adequate in the buffer zone for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** in the buffer zone for the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an **adequate basis for effective management and protection**

5.2.5 - Is the legal framework (i.e. legislation and/or regulation) in the broader setting of the World Heritage property adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** for the broader setting of the World Heritage property provides an **adequate basis for** effective management and protection of the property, contributing to the maintenance of its Outstanding Universal Value including conditions of Authenticity and/or Integrity

5.2.6 - Can the legal framework (i.e. legislation and/or regulation) be enforced?

There is **acceptable capacity/resources** to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain

5.2.7 - Please provide a short summary of how the legislation, including spatial planning and other regulation, works in practice

Activities on federal property subject to Impact Assessment Act, and work permit is required under the Historic Canal Regulations pursuant to the Department of Transport Act. Cultural Resource Management Policy and Standards & Guidelines for the Conservation of Historic Places applied to project review. In national capital region of Ottawa, projects require federal land use approval by National Capital Commission. Upland development subject to municipal planning and development approval.

5.2.8 - Comments, conclusions and/or recommendations about the information related to the measures taken to protect the World Heritage property

The multi-jurisdictional representatives of the Rideau Corridor Landscape Strategy, comprising elected officials and planners, continue to meet, regularly communicate and cooperate to ensure good land use planning and management of lands adjacent to the Rideau Canal, which fall within the 30m buffer zone and broader setting of the world heritage property. Supported by regular communication & collaboration between federal and municipal planners, planning application review and policy development

5.3. Management System/Management Plan

5.3.1 - Please check the box which most closely match the character of the governance and management system of the property

Public management system at national level

If 'Other', please specify

5.3.2 - Management System: Please indicate which of the various management tools listed below are used to help protect the property.

A statutory Management Plan or zoning plan for the property.

Other forms of statutory or non-statutory plans (e.g. strategic plans)

Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management

Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups

A management plan

An annual work plan or business plan

An environmental management framework

A joint approach to management of cultural and natural heritage

Other (please specify below)

The multi-jurisdictional representatives of the Rideau Corridor Landscape Strategy, comprising elected officials and planners, continue to meet, regularly communicate and cooperate to ensure good land use planning and management of lands adjacent to the Rideau Canal, which fall within the 30m buffer zone and broader setting of the world heritage property.

5.3.3 - Please give a brief description of the management system currently in place at your property

Ontario Waterways field unit manages Rideau Canal; Eastern and Central Ontario field unit manages Fort Henry and Kingston Fortifications; Department of Defense manages Fort Frederick. Management undertaken via Parks Canada's national historic sites program framework and guided by national historic sites management plans and 2005 World Heritage Site Management Plan. Activities on federal property subject to Impact Assessment Act, and work permit is required under the Historic Canal Regulations.

5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Rideau Canal World Heritage Site Management Plan, 2005	In Force	Available	2005	

Comment

Also: Rideau Canal and Merrickville Blockhouse National Historic Sites of Canada Management Plan, 2022; Fort Henry National Historic Site of Canada Management Plan, 2007; Kingston Fortifications National Historic Site of Canada Management Plan, 2007.

5.3.5 - Has any use been made of the 2011 Recommendation on the Historic Urban Landscape in developing policies and best practices for the protection of this property?

No use has been made of the 2011 Recommendation on the Historic Urban Landscape

5.3.6 - If the Historic Urban Landscape Recommendation has been used at this property, please describe briefly what has been done.

5.3.7 - Has any use been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property?

Some use has been made of the World Heritage Policy for Climate Change

5.3.8 - If the Climate Change policy has been used, please briefly describe what has been done along with any research on the impacts of Climate Change on the property:

Presently being used to inform preliminary discussions on climate change scenarios and adaptation strategies

5.3.9 - Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property ?

No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties

5.3.10 - If the Strategy for Reducing Risks from Disasters at World Heritage Properties has been used, please briefly describe what has been done

5.3.11 - Rate the coordination between the various levels of administration (i.e. national/federal; regional/provincial/state; local/municipal etc.) involved in the management of the World Heritage property

There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved

5.3.12 - Is the management system/plan adequate to maintain the property's Outstanding Universal Value?

The management system/plan is **fully adequate** to maintain the property's Outstanding Universal Value

5.3.13 - Is the management system being implemented?

The management system is being **only partially implemented**

5.3.14 - Is there an annual work/action plan and is it being implemented?

An annual work/action plan **exists and many of its activities are being implemented**

5.3.15 - Does the management system include formal mechanisms and procedures that ensure participation and contribution of the following groups, living within or near the World Heritage property and/or buffer zone in management decisions that maintain the Outstanding Universal Value of the property?

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities				×	
5.3.15.2	Local authorities				×	
5.3.15.3	Landowners in the property and the buffer zone				×	
5.3.15.4	Indigenous peoples				×	
5.3.15.5	Women				×	
5.3.15.6	Other specific groups				×	
	If you selected, 'Other specific groups' please specify	various interest groups; lake associations; tourism industry; local businesses; conservation authorities				

5.3.16 - Please rate the cooperation/relationship between the World Heritage property managers/coordinators/staff and the following groups

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities					×
5.3.16.2	Local/Municipal authorities					×
5.3.16.3	Indigenous peoples				×	
5.3.16.4	Landowners					×
5.3.16.5	Women					×
5.3.16.6	Youth/Children			×		
5.3.16.7	Researchers					×
5.3.16.8	Local Visitors/Tourists					×
5.3.16.9	National/International tourists					×
5.3.16.10	Tourism Industry					×
5.3.16.11	Local businesses and industries					×
5.3.16.12	NGOs					×
5.3.16.13	Other specific groups					×
	If you selected 'Other specific groups', please specify	interest groups, community associations; conservation authorities				

5.3.17 - Please rate the extent to which the management system of your property contributes towards achieving the objectives of the World Heritage Committee's Policy for the Integration of a Sustainable Development Perspective into the Processes of the *World Heritage Convention*

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality				×	
5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)				×	
5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status				×	

5.3.17.4	The management system of the property integrates a human rights-based approach					×
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood				×	
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property				×	

5.3.18 - Please provide further details on the ratings of the management system given in the table above

Management system supported by and implements, for example: Pay Equity Plan, under Pay Equity Act, 2021; Canada Labour Code; Parks Canada Harassment and Violence Centre of Expertise; Parks Canada Agency Workplace Harassment and Violence Prevention Policy; Parks Canada Agency Workplace Harassment and Violence Prevention Regulations; Policy on People Management; Policy on Occupational Health and Safety;

5.3.19 - Comments, conclusions and/or recommendations related to the management system/plan

Implementation of action items in Rideau Canal 2005 NHS Management Plan, 2007 Fort Henry and Kingston Fortifications management plans, and 2005 Rideau Canal WHS Management Plan are largely complete or ongoing. 2022 NHS management plan focuses efforts on key issues and opportunities, including cultural resources management, environmental management/climate change, interpretation and community engagement. Management system supported by new annual implementation report to public.

6. Financial and Human Resources

6.1. Funding

6.1.1 - If your funding sources do not exactly fit those shown, put the relevant amounts against the funding type that most closely represents your situation, and use the comment box below to provide more details.

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	100 %	81 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	0 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	14 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	5 %
6.1.1.12	Other	0 %	0 %
		Total 100 %	Total 100 %

6.1.2 - Please comment here on any other aspects of funding sources not covered in the table above

Answers for 6.1.1 specific to Rideau Canal component of property.

6.1.3 - Is the current budget sufficient to manage the World Heritage property effectively?

The available **budget is acceptable** but **could be further improved** to fully meet the management needs

6.1.4 - Are the existing sources of funding secure and likely to remain so?

The existing sources of funding are **secure over the medium-term** and **planning is underway to secure funding over the long-term**

6.1.5 - Comments, conclusion, and/or recommendations related to finance and infrastructure

Federal infrastructure program invested \$131 million since 2015 to rehabilitate locks, dams, bridges; elements of Fort Henry. \$2.5m invested in Fort Frederick repairs 2014. 2023: \$10 million committed to rehabilitate Fort Henry; \$12.5 million to rehabilitate Fort Frederick.

6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage properties and the extent to which they are drawn from local communities.

		From local communities %	From elsewhere %
6.1.6.1	Men	70 %	0 %
6.1.6.2	Women	30 %	0 %
		Total 100 %	Total 0 %

6.1.7 - Are available human resources adequate to manage the World Heritage property?

Human resources **partly meet** the management needs of the World Heritage property

6.1.8 - Considering the management needs of the World Heritage property, please rate the availability of professionals in the following disciplines

Conservation	Good
Environmental sustainability	Fair
Community participation and inclusion	Fair
Risk preparedness	Fair
Capacity development and education	Fair
Administration	Good
Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

6.1.9 - Please rate the availability of training opportunities for the management of the World Heritage property in the following disciplines

Conservation	Fair
Environmental sustainability	Fair
Community participation and inclusion	Fair
Risk preparedness	Fair
Capacity development and education	Fair
Administration	Fair
Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

6.1.10 - Has any use been made of the World Heritage Strategy for Capacity Building at the property?

No use has been made of the World Heritage Strategy for Capacity Building

6.1.11 - If the World Heritage Strategy for Capacity Building has been used, please briefly describe what has been done.

6.1.12 - Are there site-specific capacity building plans or programmes that develop local expertise and that contribute to the transfer of skills for the conservation and management of the World Heritage property?

A site-based capacity building plan or programme is in place and fully implemented; **all technical skills are being transferred** to those managing the property locally

6.1.13 - Comments, conclusions and/or recommendations related to human resources, expertise and training

6.1.12. Day to day management and operation of the canal is undertaken by the local field unit, Ontario Waterways. Fort Henry and the Kingston Fortifications are administered locally by the Ontario East Field Unit, with local third party operators at Murney Tower and Fort Henry. Technical support from National Office pertaining to built heritage and archaeological advice; contracting; climate change analysis, as well as implementing broader Agency-wide goals and objectives.

7. Scientific Studies and Research Projects

7.1 - Is there adequate knowledge (scientific or traditional) about the values and attributes of the World Heritage property to support planning, management and decision-making to ensure that Outstanding Universal Value is maintained?

Knowledge about the values and attributes of the World Heritage property is **acceptable** for most key areas but there are gaps

7.2 - Is there a planned programme of research at the property which is directed towards management needs and/or improving

understanding of Outstanding Universal Value?

There is a **small amount of research, but it is not planned**

7.3 - Are results from research programmes publicly available and disseminated?

Research **results are shared** with local communities and partners **but there is no active outreach** to national or international agencies

7.4 - Comments, conclusions and/or recommendations related to scientific studies and research projects

Re 7.2 framework for comprehensive research in development since 2021, to address world heritage & national historic values of the Canal. Guided by a Cultural Resource Management Strategy, goal to undertake cultural landscape studies at 5 lockstations by 2025 (mgmt plan target) with all lockstations in the long term; review/update inventory of cultural resources; review/update NHS commemorative integrity statement; implement asset mgmt plan; complete archaeological overviews at all lockstations

8. Education, Information and Awareness Building

8.1 - Please rate the awareness and understanding of the existence and justification for inscription of the World Heritage property amongst the following groups

Local communities	Good
Local/municipal authorities	Good
Indigenous peoples	Fair
Landowners	Fair
Women	Good
Youth/children	Poor
Researchers	Good
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Good
Local businesses and industries	Fair
NGOs	Good
Other specific groups	Good
If you selected 'Other specific groups', please describe	interest groups/community organizations; conservation authorities; lake associations

8.2 - Does the property have a heritage education programme(s) for children and/or youth, that can contribute to a better understanding of heritage, promote diversity and foster intercultural dialogue?

There is **no education and awareness programme** for children and/or youth, despite an identified need

8.3 - Who are the target audiences for education and awareness programmes at your property?

Local communities
Local/municipal authorities
Landowners
Local Visitors
National/international tourists

8.4 - Please rate the adequacy of the following visitor facilities and services at the World Heritage property for education, information, interpretation and awareness building

Visitor centre	Fair
Site museum	Not provided but needed
Information booths	Fair
Guided tours	Not provided but needed
Trails/routes	Poor
Printed information materials	Good
Online (website, social media, etc.)	Good
Transportation facilities	Not needed

Other	Good
If 'Other' is selected, please specify	third-party operated museums in Parks Canada facilities

8.5 - Comments, conclusions and/or recommendations related to education, information and awareness building

PCA visitor centre for Canal; third-parties manage on-site museums - Bytown Museum, Merrickville Blockhouse Museum, Chaffey's Lockmaster's House Museum; Murney Tower Museum, Fort Henry. 2017: 7 interpretation nodes installed along canal in Ottawa via multiple jurisdictions and Indigenous people. Targets in Canal mgmt plan for 2023 visitor engagement strategy; improved interpretation at lockstations; collaborate with others for improved interpretation, visitor services, marketing & promotions

9. Visitor Management

9.1 - Please provide estimated annual visitor numbers (including national and international visitors) since the last Periodic Report

833,386 / 934,438 / 887,000 / 942,000 / 980,000 /

90,000 / 65,000 / 17,000 / 96,000 / 118,000 /

9300 / 660 / 0 / 6000 / 6000 /

9.2 - What information sources are used to collect visitor statistics?

Entry tickets and registries

Tourism industry

Other

electronic counters

9.3 - What is the average length stay of a visitor to the World Heritage property?

One day (no overnight stay)

9.4 - Please provide the source of information

Most boaters on the Canal are local residents, exploring the waterway for the day. Boater numbers captured only upon lockage through the canal at a lockstation. Regional and international visitors traverse the entire canal and stay more than four days overnight. Land-based visitors to lockstations on the canal, the Kingston Fortifications and Fort Henry generally stay 1-3 hours, exploring the grounds and available facilities. Information from entry tickets to museums and past visitor surveys.

9.5 - What is the approximate average daily visitor expenditure? (Please provide an estimated monetary figure in USD)

250 / 50 / 25 / 20 / 20 / 50 /

9.6 - Please provide the source of information

Accommodation, food and beverage based on average/typical offerings within Eastern Ontario region. Adult admission to Fort Henry: \$20. Recreation, transportation and souvenirs vary significantly between land-based visitors and boaters, as well as between urban and rural visitors. Boaters fees for lockage and mooring, varies by length, with fewer and less costly purchases, then urban, land-based visitors.

9.7 - Does the management system/plan for the World Heritage property include a strategy with an action plan to manage visitors, tourism activity and its derived economic, socio-cultural and environmental impacts?

There **is a strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is **not implemented**

9.8 - Please provide any comments relating to the answer provided above in question 9.7

Fort Henry visitor management informed by St. Lawrence Parks Commission 5 Year Strategic Plan. Strategy under development. Targets in Rideau Canal management plan to: undertake visitor engagement strategy in 2023; collaborate with local groups, tourism industry and communities on visitor experience opportunities, interpretation, education; marketing and promotions; attract visitors to more rural sections of waterway; attract more paddlers, hikers, cyclists, campers

9.9 - Is visitor use effectively managed to maintain the Outstanding Universal Value of the property?

Visitor use of the World Heritage property is **effectively managed and does not impact its Outstanding Universal Value**

9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the Outstanding Universal Value of the World Heritage property?

There **is limited cooperation** between those responsible for the World Heritage property and the tourism industry **to present the Outstanding Universal Value and increase appreciation**

9.12 - How well is the information on the Outstanding Universal Value of the property presented and interpreted?

The Outstanding Universal Value of the property is **not adequately presented and interpreted**

9.13 - At how many locations is the World Heritage emblem displayed at the property?

In **many locations**, but **not easily visible** to visitors

9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property?

Fees are collected, and make **some contribution** to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Electric tour boat in Ottawa; increase in paddling and bike experiences & rentals; emphasis on local businesses, arts and artisans; municipal grant programs

9.16 - Are the benefits of tourism shared with local communities?

Yes

If 'Yes', please specify

Communities directly impacted as all dining, shopping and accommodation is offered within local communities the canal traverses. 2017 Economic Impact Study: Canal generates \$695M to local rural region, total \$5.5B tourism industry when including urban areas (Ottawa and Kingston)

9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage property

Targets in Rideau Canal management plan to undertake visitor engagement strategy in 2023; to collaborate with local groups, tourism industry and communities on visitor experience opportunities, interpretation, education; marketing and promotions. Since 2015, have rehabilitated three lockmaster houses on the Rideau Canal to provide holiday accommodation for visitors; fourth planned for 2024. Managed by local company; supports & promotes local businesses and tourism.

10. Monitoring

10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the understanding of the Outstanding Universal Value?

There is a **comprehensive, integrated programme of monitoring**, which is relevant to management needs and/or improving understanding of the Outstanding Universal Value

10.2 - Is necessary information available in order to define key indicators for measuring the state of conservation and are they used in monitoring how the Outstanding Universal Value of the property is being maintained?

Information on the values of the World Heritage property is **adequate and key indicators have been defined but monitoring of the status of indicators could be improved**

10.3 - Are key indicators defined and in place for the following principal aspects of the property?

	Extend of indicators	Not applicable	No indicators	Indicators have been defined but are not yet in use	Indicators are in place and in use since the last Periodic Reporting cycle
10.3.1	State of conservation				✗
10.3.2	Effectiveness of the management system		✗		
10.3.3	Character of governance		✗		
10.3.4	Appropriate synergy with other conservation designations	✗			
10.3.5	Contribution to sustainable development		✗		
10.3.6	Capacity development		✗		

10.4 - Please provide information on relevant key indicators adopted at the property

Use NHS Commemorative Integrity Evaluation indicators of condition of all cultural resources, communication and selected management practices; as well as regular asset condition monitoring. More work required on canal for monitoring of identified key views within lockstations & from lockstations to surrounding environment; and the field of fire between fortifications in Kingston. 10.3.4: no indicator for synergy as use of NHS mgmt framework is relevant and is applied to WHS management.

10.5 - Please rate the level of involvement in monitoring of the following groups:

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Fair
Local communities	Poor
Indigenous peoples	Non-existent
Landowners	Non-existent
Women	Good
Researchers	Not applicable
Tourism industry	Fair
Local businesses and industry	Not applicable
NGOs	Fair
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

10.6 - Has the State Party implemented relevant recommendations arising from the World Heritage Committee?

Implementation is planned, but has not yet begun

10.7 - Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.

2019 Recommendation: inventory of WH attributes. Asset management database exists for all cultural resources and contemporary assets; list of key views in NHS Commemorative Integrity Statements. Inventory needs to be reviewed/revise, amalgamated to ensure all attributes, for each component of property (Rideau Canal, Kingston Fortifications, Fort Henry) are captured. Inventory of cultural resources on Canal needs to be reviewed for accuracy/completeness. Need more info on lockstation landscapes

10.8 - Comments, conclusions and/or recommendations related to Monitoring

Regular monitoring through asset program; dam, bridge and lock inspections; on-site staff. Exploring with municipalities how to assess/monitor key views from lockstations & canal to adjacent lands. Some key views included in municipal Official Plans but limited monitoring in place. Views to adjacent lands managed via municipal planning policies, zoning bylaw, site plan control. Waterfront/shoreline visual monitoring to start 2023. Law enforcement & landowners monitor in-water and shoreline work

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.2	Protective Measures	
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	✕
5.3	Management System/Management Plan	
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	✕
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	✕
5.3.13	The management system at the property is only being partially implemented	✕
6.1	Funding	
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	✕
6.1.7	Human resources partly meet the management needs of the World Heritage property	✕
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	
7	Scientific Studies and Research Projects	
7.2	There is a small amount of research in the World Heritage property but it is not planned	✕
7.3	Research results are shared with local communities and partners but there is no active outreach to national or international agencies	
8	Education, Information and Awareness Building	
8.2	There is no heritage education and awareness programme for children and/or youth, despite an identified need	
9	Visitor Management	
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is not implemented	✕
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation	
9.12	The Outstanding Universal Value of the property is not adequately presented and interpreted	✕
10	Monitoring	
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved	✕

Please select 0 more issues.

☒ Please save this question to reflect changes

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.1	Buildings and Development
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4.1.1	Housing	High rise towers can impact the important visual relationship between the canal and the fortifications, as well as the visual relationship (overlapping field of fire) between the fortifications.	Ongoing collaboration and cooperation with local municipalities having jurisdiction over land use planning and development adjacent to the inscribed property to minimize protect key views between the serial components	Informal monitoring through municipal planning approvals process. Formal tracking of municipal official plan and zoning policies to identify deficiencies/gaps.	Ongoing	Parks Canada (local municipalities, conservation authorities, lake associations)	Exploring means/method to establish regular monitoring program through local municipalities to track primary areas of development. Work supported by upcoming cultural landscape studies at 5 priority areas along the canal.
4.7	Local conditions affecting physical fabric						
4.7.1	Wind	Buildings; lock and dam operations	Immediate response to clearing downed trees, managing water levels, restoring/maintaining operations.	Monitor inclement weather, water levels; preemptively adjust water levels at dams; adjust staffing levels	Ongoing	Parks Canada (conservation authorities)	Low risk, low impact.
4.7.3	Temperature	Temperature changes between summer and winter and freeze/thaw effects impact engineering works including locks and dams, as well as lockstation buildings. It also impacts the ability to maintain through navigation.	Increase in capacity in water management with Dedicated Water Management Engineer and Dam Asset Manager; ongoing updates to water monitoring technology.	Ongoing water monitoring through water gauge network. Asset management plan guides monitoring, maintenance, prioritization of capital expenditures.	Ongoing	Parks Canada	Regular/expected temperature fluctuations between summer and winter, however with increasing irregularities, such as greater humidity in summer, early/fast thaws in spring.
4.7.6	Water (rain/water table)	Engineering works such as masonry walls of slackwater canal system (locks, canal walls, dams), as well as stone Martello towers, blockhouses and stone structures at Fort Henry	Asset management plan guides monitoring, maintenance, prioritization of capital expenditures	Ongoing via periodic monitoring, formally a minimum every three years; ongoing informal monitoring by site staff and associated third-party operators	Ongoing	Parks Canada (Public Services and Procurement Canada; consultants and contractors hired under contract; third party operators at Fort Henry, Murney Tower; Bytown Museum and Merrickville Blockhouse)	Monitoring, maintenance, periodic significant capital expenditures for conservation and repair
4.8	Social/Cultural uses of heritage						
4.8.6	Impacts of tourism/Visitation/Recreation	Erosion of shoreline in narrow channels of the canal navigation route due to boat traffic.	Dedicated law enforcement officers to monitor and enforce visitor use under Historic Canal Regulations. Lock staff employ Prevention Record and Report Program at lockstations to manage land-based visitor use. No wake zones is narrow channels.	Dedicated law enforcement officers to monitor and enforce visitor use. Shoreline erosion monitoring at lockstations. Shoreline monitoring program starting 2023 for entire canal. Developing process for how new wake zones may be considered/implemented	Ongoing	Parks Canada (City of Ottawa Police; Ontario Provincial Police; local communities and organizations)	Shoreline renaturalization projects undertaken by local communities and organizations, with support from Parks Canada.
4.10	Climate change and severe weather events						
4.10.1	Storms	Buildings; lock and dam operations	Immediate response to clearing downed trees, managing water levels, restoring/maintaining operations.	Monitor inclement weather, water levels; preemptively adjust water levels at dams; adjust staffing levels	Ongoing	Parks Canada (conservation authorities)	Low risk, low impact.

4.10.2	Flooding	Engineering works of the slackwater canal system, including the locks and dams. It also impacts the ability to maintain through navigation.	Increase in capacity in water management with Dedicated Water Management Engineer and Dam Asset Manager; ongoing updates to water monitoring technology. Undertaking climate change environmental assessment and adaptation & scenario workshops	Ongoing water monitoring through water gauge network. Asset management plan guides monitoring, maintenance, prioritization of capital expenditures	Ongoing	Parks Canada	Working closely with Parks Canada's Climate Change Science & Advisory Team to understand climate change scenarios, impacts of scenarios and adaptation strategies.
4.10.3	Drought	Engineering works of the slackwater canal system, including the locks and dams. It also impacts the ability to maintain through navigation.	Increase in capacity in water management with Dedicated Water Management Engineer and Dam Asset Manager; ongoing updates to water monitoring technology. Undertaking climate change environmental assessment and adaptation & scenario workshops	Ongoing water monitoring through water gauge network. Asset management plan guides monitoring, maintenance, prioritization of capital expenditures	Ongoing	Parks Canada	Working closely with Parks Canada's Climate Change Science & Advisory Team to understand climate change scenarios, impacts of scenarios and adaptation strategies.
4.10.6	Temperature change	Temperature changes as it relates to flooding and drought, impact the engineering works of the slackwater canal system, including the locks and dams. It also impacts the ability to maintain through navigation.	Increase in capacity in water management with Dedicated Water Management Engineer and Dam Asset Manager; ongoing updates to water monitoring technology. Undertaking climate change environmental assessment and adaptation & scenario workshops	Ongoing water monitoring through water gauge network. Asset management plan guides monitoring, maintenance, prioritization of capital expenditures	Ongoing	Parks Canada	Working closely with Parks Canada's Climate Change Science & Advisory Team to understand climate change scenarios, impacts of scenarios and adaptation strategies.
4.11	Sudden ecological or geological events						
4.11.5	Erosion and siltation/Deposition	Erosion of shoreline of canal navigation route over time.	Review of Policy for In-water and Shoreline Works and Related Activities with a view to strengthening green engineering technology/renaturalization. Collaboration with municipalities and conservation authorities to increase vegetative buffer zones.	Shoreline erosion monitoring at lockstations. Shoreline monitoring program starting 2023 for entire canal.	Ongoing	Parks Canada (local municipalities, conservation authorities, lake associations)	Parks Canada working with local municipalities to pass shoreline protection/alteration bylaws to improve waterfront development / healthy waters, and minimize impacts of development on the use, enjoyment, quality of water.

Summary - Factors affecting the Property **completed**

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.2	Protective Measures				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	New legislation for historic sites and canals in progress. Will provide for new, robust regulations to effectively manage the wide range of activities at the site; and new policies, including revised in-water and shoreline works & related activities	Within five years	Parks Canada (stakeholder and public consultation)	Identified as a target within new Rideau Canal and Merrickville Blockhouse National Historic Site Management Plan, 2022.
5.3	Management System/Management Plan				

5.3.7	Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	Will serve to inform discussions & workshops on climate change scenarios and adaptation strategies at the site.	Ongoing	Parks Canada	A reference tool of Parks Canada's Climate Change Science & Advisory Team.
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	Reorganization of Indigenous Affairs and Cultural Heritage Directorate (IACHD) to improve coordination with and delivery of services to all field units. Increased communication between offices having responsibilities for serial properties of WH site	2020 - Ongoing: Increased communication and collaboration between field units. 2022 - ongoing: IACHD reorganization	Parks Canada	Ongoing working relationship with jurisdictions having responsibilities for aspects of the property such as water quality, fish habitat or adjacent lands in the buffer zone. To be improved upon through regular meetings of admin bodies.
5.3.13	The management system at the property is only being partially implemented	Newly adopted 2022 Rideau Canal NHS Management Plan will serve to focus efforts on key areas of deficiency & opportunity, including cultural resources management, environmental management/climate change, interpretation and community engagement.	Ongoing	Parks Canada (local municipalities and conservation authorities)	Management system supported by new annual implementation report to public. Key targets address deficiencies in understanding, documentation, monitoring, evaluation, interpretation, awareness.
6.1	Funding				
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	Key targets in management plan to be implemented over 10 years; funding requests through annual business plans, Treasury Board submissions, federal government initiatives. 2023: \$10M committed to rehabilitate Fort Henry. \$12.5M for Fort Frederick	Ongoing	Parks Canada (Public Services and Procurement Canada; Treasury Board; Department of National Defense - Royal Military College)	Federal infrastructure program invested \$103 million since 2015 to rehabilitate locks, dams, bridges; elements of Fort Henry. \$2.5m invested in Fort Frederick repairs 2014.
6.1.7	Human resources partly meet the management needs of the World Heritage property	Rideau Canal: Developing strategy to address capacity through succession planning and career development; how to address challenges around seasonal workforce and shifting labour force to other industries.	Ongoing	Parks Canada (St Lawrence Parks Commission for Fort Henry; Kingston Historical Society for Murney Tower)	As a seasonal operation, the Rideau Canal, Fort Henry and Murney Tower rely significantly on students during the summer months to support operations, visitor experience, interpretation and public education, with limited returning students each year
7	Scientific Studies and Research Projects				
7.2	There is a small amount of research in the World Heritage property but it is not planned	Work plan in development: cultural landscape studies at 5 lockstations by 2025; remaining in long term; Review inventory of cultural resources; review/update NHS commemorative integrity statements; archaeology overviews at lockstations; monitoring	2023-2032	Parks Canada (National Capital Commission, local municipalities, Public Services and Procurement Canada)	Part of overall cultural resources management strategy in development. Requires/will support greater communication & collaboration between field units and Department of National Defense (Fort Frederick), improved evaluation & monitoring.
9	Visitor Management				
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is not implemented	Monitor visitation levels; encourage land-based visitors to explore sections of canal outside urban Ottawa through new visitor offers/services & promotions; undertake Visitor Experience Strategy in 2023; coordinate with tourism industry/communities	2023-2032	Parks Canada (tourism industry, local business, local municipalities and interest groups)	On-water visitation management: will develop transparent process for considering new no-wake zones in areas of canal where use and safety are concerns

9.12	The Outstanding Universal Value of the property is not adequately presented and interpreted	Canal: Visitor Experience Strategy 2023; review and revise static interpretation, visitor experiences, marketing & promotions to ensure OUV is adequately addressed. Collaborate with tourism industry, communities for coordinated marketing & promotion	2023-2032	Parks Canada (tourism industry; local communities; third-party operators; local businesses; interest groups)	Needs to be supported by enhanced understanding/documentation of attributes and values, coordinated between two field units having responsibility for overall property.
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10	Monitoring				
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved	Enhanced documentation of attributes and values, coordinated between two field units having responsibility for property. Review effectiveness of Parks Canada's Commemorative Integrity Evaluation as appropriate indicators/frequency of monitoring	2021-2032	Parks Canada	Enhanced documentation supported by lockstation cultural landscape studies to better understand/document heritage values and character-defining elements at each location.

Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

12.3.1 - Following the analysis undertaken for this report, what is the current state of Authenticity of the World Heritage property?

The Authenticity of the World Heritage property **has been preserved**

12.3.2 - Following the analysis undertaken for this report, what is the current state of Integrity of the World Heritage property?

The Integrity of the World Heritage property is **intact**

12.3.3 - Following the analysis undertaken for this report, what is the current state of the World Heritage property's Outstanding Universal Value?

The World Heritage property's Outstanding Universal Value has been **maintained**.

12.3.4 - What is the current state of the property's other values?

Other important cultural and/or natural values and the state of conservation of the World Heritage property are **intact**

12.3.5 - Comments, conclusions and/or recommendations related to the state of conservation of the property.

13. Impact of World Heritage Status

13.1 - Please rate the impacts of World Heritage status of the property in relation to the following areas

Conservation	Positive
Research and monitoring	Positive
Management effectiveness	Positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Very positive
Education	Positive
Infrastructure development	Positive
Funding for the property	No impact
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	No impact
Advocacy	Positive
Institutional coordination	Positive
Security	Not applicable
Gender equality	Not applicable
Provision of ecosystem services/ benefits to local communities	Positive

Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Not applicable
Fostering inclusive local economic development and enhancing livelihood	Positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Not applicable
Other	Not applicable
If 'Other', please specify	

13.2 - Comments, conclusions and/or recommendations related to World Heritage status and its impacts

14. Good Practice in the Implementation of the World Heritage Convention

14.1 - Example of good practice in World Heritage protection, identification, conservation or management at the property level

Increased awareness, understanding, appreciation, and as a result, communication, cooperation and collaboration with local municipalities who have land use planning and development control over lands adjacent to the canal, including the 30m buffer zone and the surrounding environment since the inscription. Undertaken via periodic Planners Group meetings, increased collaboration between Parks Canada and the conservation authorities for joint review of planning applications on adjacent lands; stronger policies, zoning restrictions in municipal planning documents, and the establishment of the Rideau Corridor Landscape Strategy, comprising multiple jurisdictions and Indigenous Peoples working together to develop and implement strong land use planning and management of lands along the canal corridor. RCLS supported by Steering Committee of elected officials and a Planners Technical Advisory Group. RCLS undertook cultural landscape study; developed 10 Principles for Good Land Use Development; developed suite of official plan policies for municipalities; developed and hosted 2017 Rideau Corridor Awards Program.

14.2 - Define which topics are covered by this example of best practice at the property level

Sustainable Development
Synergies
State of Conservation
Management
Governance

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

15.1.1 - Has the Periodic Reporting process improved the understanding of the following?

The <i>World Heritage Convention</i>
The concept of Outstanding Universal Value
The property's Outstanding Universal Value
The concept of Integrity and/or Authenticity
The property's Integrity and/or Authenticity
Management effectiveness to maintain the Outstanding Universal Value
Monitoring and reporting

15.1.2 - Please rate the follow-up to conclusions and recommendations from previous Periodic Reporting exercise by the following entities

State Party	Not needed
Site Managers	Not needed
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Not needed

15.2. Use of Data

15.2.1 - How do the authorities in charge of the property plan to use the data recorded from this cycle of Periodic Reporting?

Revision of priorities/strategies/policies for the protection, management and conservation of heritage
Update of management plans
Advocacy
Other
funding and capacity building

15.2.2 - Comments on use of data from the Cycle of Periodic Reporting

15.3. Timing and resources

15.3.1 - Entities involved in the filling out of this online questionnaire (tick as many boxes as applicable)

Governmental institutions responsible for cultural and natural heritage

Site Manager/Coordinator World Heritage property staff

15.3.2 - Has a gender balanced contribution and participation been considered in the filling out of this questionnaire?

Gender balance has **not been explicitly** considered or implemented in the process.

15.3.3 - Were you given adequate time (i.e. roughly ten months) to gather necessary information and to fill in this questionnaire?

Yes

15.3.4 - Please estimate the time (working hours) needed to complete this questionnaire

6 / 0 / 20 /

15.3.5 - Did you mobilise any additional resources to fill out this questionnaire?

	Additional resources	No	Yes
15.3.5.1	Human resources	✕	
15.3.5.2	Financial resources for organizing consultation meetings/ training	✕	

15.4. Format and content of the Periodic Report

15.4.1 - How accessible was the information required to complete this questionnaire?

Most required information was accessible.

15.4.2 - Was the questionnaire easy to use and clear to understand?

		Very Difficult	Difficult	Easy	Very easy
15.4.2.1	Ease of use of questionnaire				✕
15.4.2.2	Clarity of questions			✕	

15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire

More options for those multiple choice questions which have two components within one statement to report on. One portion of the statement may be accurate, but the other portion inaccurate. This presents a challenge in providing an accurate answer to the question. More accurate responses can be provided when the two components within a statement are separated into two statements to answer.

15.5. Training and Guidance

15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	No support
UNESCO National Commission	No support
ICOMOS International	No support
IUCN International	No support
ICCROM international/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	No support

15.5.2 - Please rate the level of support for completing the Periodic Reporting questionnaire from the following entities

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	No support
National Commission for UNESCO	No support
ICOMOS International	No support
ICCROM International/regional	No support
ICOMOS national/regional	No support

IUCN national/regional	No support
IUCN International	No support

15.5.3 - Were the online training resources prepared by the World Heritage Centre regarding Periodic Reporting adequate for you to complete this questionnaire?

Yes

15.5.4 - If you found that the online training resources were not adequate, what changes would you like to see implemented?

15.6. Actions that will require formal consideration by the World Heritage Committee

15.6.1 - Summary of actions that will require formal consideration by the World Heritage Committee

• **Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee**

Reason for update: Revisions required for second-last sentence: "Site management is supported by the Rideau Canal National Historic Site of Canada Management Plan, 2022; the Fort Henry National Historic Site of Canada Management Plan, 2007 and the Kingston Fortifications National Historic Site of Canada Management Plan, 2007 (new joint plan to be completed in 2023); and the Rideau Canal World Heritage Site Management Plan, 2005.

Changes to these items will need to go through the proper processes.

15.7. Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise

15.7.1 - Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise

15.7.2 - Thank you for having filled in all the questions. Please contact your National Focal Point for validation.