

Antigua Naval Dockyard and Related Archaeological Sites

1. World Heritage Property Data

1.1 - Name of World Heritage property

Antigua Naval Dockyard and Related Archaeological Sites

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Antigua Naval Dockyard and Related Archaeological Sites	17.007 / -61.762	255	3873	4128	2016
Total (ha)		255	3873	4128	

1.4 - Map(s)

Title	Date	Link to source
Antigua Naval Dockyard and Related Archaeological Sites - map of inscribed property	2016	

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

- [nationalparksantigua.com](#) Facebook: [AntiguaNavalDockyardUNESCO](#) Facebook: [Nelsons Dockyard National Park](#) Instagram: [AntiguaBarbudaNationalParks](#) Twitter: [AntiguaBarbudaNationalParks](#)

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

Not Applicable

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?

Not applicable

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?

Not applicable

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)

We are currently looking into the MAB and Geoparks Programs to understand the compliance, expectations and obligations for our WHS and other national parks but these are in early stages of discussion held by the National Commission and other government agencies and ministries.

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

No elements have as yet been inscribed under the 2003 Convention for Antigua Barbuda.

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.

Antigua Barbuda are not yet signatory to the Memory of the World Convention and no documents have been inscribed.

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

Brief synthesis

The Antigua Naval Dockyard and its Related Archaeological Sites consists of a group of Georgian Naval structures, set within a walled enclosure, on a naturally-occurring series of deep narrow bays surrounded by highlands on which defensive fortifications were constructed. The Dockyard and its related facilities were built at a time when European nations were battling for supremacy of the seas to obtain control over the lucrative sugar-producing islands of the Eastern Caribbean. Antigua's location as a front-line naval dockyard facility gave the British navy a strategic advantage over its rivals at a crucial point in history.

The construction and operation of the Antigua Naval Dockyard were made possible through the labour and skills of enslaved Africans, whose contribution was crucial for the establishment of the facility and, more widely, for the development of the British Empire, trade and industrialization.

Criterion (ii): The Antigua Naval Dockyard and its Related Archaeological Sites exhibit an important exchange of human values over a span of time within the Caribbean and between this region and the rest of the Commonwealth, on developments in architecture, technology and exploitation of natural topographical features for strategic military purposes. The enslaved Africans toiling in the service of the British navy and army built and worked the facilities that were critical to the development of the British Empire, trade and industrialization. The Georgian Period buildings and the archaeological structures and remains stand as testimony to their efforts and continue to influence the architectural, social and economic development of their descendants.

The Antigua Naval Dockyard exceptionally shows how British Admiralty building prototypes were adapted to cope with extremes of climate, and the lessons learnt in the Caribbean in erecting such buildings were subsequently successfully applied in other colonies. Among the most prominent witnesses of this interchange, Clarence House demonstrates how English Georgian architecture was modified to suit the hot tropical climate and to counter the threat of disease, and the emergence of a distinctly colonial Caribbean Georgian architecture; and the Officers' Quarters and the Senior Officer's House demonstrate how building forms were adapted, by the addition of features such as storm shutters and verandas, to suit the climate of the Caribbean. Few other sites demonstrate this transition from British prototypes to the use of colonial building forms as clearly as the Antigua Naval Dockyard.

Criterion (iv): The ensemble of the Antigua Naval Dockyard and its Related Archaeological Sites were laid down and built exploiting the natural attributes of the area (the deep waters of English Harbour, the series of hills protecting the bay, the jagged contours of the coastline, and the narrow entrance) in a period when European powers were at war to expand their spheres of influence in the Caribbean. Altogether, the property represents an outstanding example of a Georgian naval facility in the Caribbean context.

The Antigua Naval Dockyard and its Related Archaeological Sites demonstrate the process of colonization and the global spread of ideas, building forms and technologies by a leading naval power in the 18th century, as well as the exploitation of favourable geo-morphological features for the construction and defence of a strategic compound.

Integrity

The inscribed area (255 ha) coincides with the former Naval Dockyard installations and its related former supporting/defensive compounds, which have been in continuous use since 1725. The partially-walled Dockyard includes an important number of historical buildings, whereas the related former supporting/defensive compounds comprise several structures nowadays reduced to archaeological remains. The property still retains its visual integrity and the visual relationships and dynamics between the Dockyard complex (down at sea level) and the former military structures (in the surrounding hills) are still recognizable. Most of the buildings at the Dockyard have either been restored/repared (fairly recently) or are scheduled to undergo restoration in the near future. On the other hand, archaeological structures outside the Dockyard exhibit an uneven state of conservation that will benefit from a comprehensive conservation strategy based on the adoption of a minimal intervention approach.

Authenticity

The Dockyard is located on its original site and continues to be embedded in the same original setting. The buildings within were all originally built between the 18th and 19th centuries and retain their original form and design. Most of them even retain their use and function, and those which do not are used for similar and/or compatible functions. The authenticity of the property in terms of materials, craftsmanship and design will benefit from a continuous cooperation amongst conservation architects, architectural historians and archaeologists in the conception of conservation programmes, projects and works. Archaeological remains are still embedded in a setting which is comparable to the original one; many of the fortifications and supporting facilities retain their original materials and their visual interrelations. Their form and design have not been altered and can be appreciated through archaeology, historical research, consolidation, stabilization and interpretation. The informative potential of archaeological vestiges is overall retained; however, protection and maintenance strategies should be set up in order to avoid further loss of historic substance.

Protection and management requirements

The Antigua Naval Dockyard and Related Archaeological Sites have been protected as a National Park since 1984 under the National Parks Act and managed by the National Parks Authority (NPA). Further means of legal protection are obtained by the recently approved new 'Environmental Management Bill' (2015) the forthcoming new 'Heritage Act', the 'Physical Planning Act' (2003), and the 'Land Use or Physical Development Plan for Antigua and Barbuda', which defines and establishes zones for appropriate land use. Building Guidelines have been designed to orient conservation interventions of historical buildings and archaeological remains and to set standards for new architecture and new guidelines; high standards regarding the Dockyard's potential Underwater Cultural Heritage are also needed.

The system relies on the National Parks Development and Management Plan, which is specifically prepared under the provisions of sub-section 10 (2) of the Antigua and Barbuda National Parks Act (1984). The Management Plan, with its objectives and its operational instruments (land use zoning plan, action plan, conservation plan, marketing plan, guidelines, etc.) forms an integrated management framework that needs to focus on the Outstanding Universal Value of the Antigua Naval Dockyard and Related Archaeological Sites so as to ensure its effective management as a World Heritage property.

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	Archaeological sites	×			
3.2.2	Historical structures in dockyard and site	×			
3.2.3	UCH research and sites	×			
3.2.4	Management plans and policies	×			
3.2.5	Scenic landscapes	×			
3.2.6	Environment within Buffer and site	×			

3.2.7	Interpretation and access to historical and natural areas within site	✘			
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

Overall the site is well maintained and state of conservation excellent. Authenticity is being maintained and archaeological research (surveys and archival data) has added tremendously to the OUV. There is an ongoing education outreach effort through social media, traditional media and through stakeholder engagement on the OUV to ensure wide knowledge and respect for the preservation of the OUV.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

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

4.1.2 - Commercial development

Relevant	✘ Not relevant
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4.1.3 - Industrial areas

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

✘ 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

✘ 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

Our new Interpretation signs have greatly improved the visitor information and site experience throughout the WHS. The NPA is currently planning expanded hiking trails, interpretation within the archaeological areas and develop a new marine spatial plan and upgrade of land use plan. These interventions will increase visitor interaction, protect heritage and environment, and increase revenues to fund new improvements and increased monitoring capacity. Funding is needed to execute these projects

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

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

4.2.2 - Underground transport infrastructure

Relevant			X Not relevant				
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4.2.3 - Air transport infrastructure

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

4.2.4 - Marine transport infrastructure

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

4.2.5 - Effects arising from use of transportation infrastructure

Relevant			X Not relevant				
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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

There is increased demand for vehicular access to privately owned land. The area hosts an official port of entry for yachts, managed by Port Authority and the NPA. There are cruise ship anchorages in the vicinity causing seabed scouring. Funding is required to install, monitor and manage moorings which will mitigate damage. Yachting sector growth will require expansion of yachting facilities and deepening of navigation channels in WHS and Buffer. Funding will be required to conduct thorough HIA

4.3. Services Infrastructures

4.3.1 - Water infrastructure

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

4.3.2 - Renewable energy facilities

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

4.3.3 - Non-renewable energy facilities

Relevant			X Not relevant				
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4.3.4 - Localised utilities

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Negative							

4.3.5 - Major linear utilities

Relevant	<input checked="" type="checkbox"/> 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

There are two existing cell towers and a small reverse osmosis plant were established prior to inscription. Plans for wind turbines were submitted under Paragraph 172 but received negative feedback. Technical and financial assistance is required to identify suitable RE technology consistent with the OUV in order to reduce fossil fuel consumption and increase financial viability of the NPA. The existing sewage treatment plant is over 35 years old and in need of replacement consistent as per OUV.

4.4. Pollution

4.4.1 - Pollution of marine waters

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

4.4.2 - Ground water pollution

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

4.4.3 - Surface water pollution

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.4.4 - Air pollution

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.4.5 - Solid waste

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

4.4.6 - Input of excess energy

Relevant	<input checked="" type="checkbox"/> 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

There is no industry within the site that produces excessive unmanageable waste or pollution. There two yacht servicing facilities where threats of chemical and fuel spills are constant. Technical assistance is required to develop mitigation protocol. Water quality testing is conducted and policies are enforced by regular inspection. There is sporadic illegal dumping and general littering issues. These are monitored through the 2019 Litter Act enforced by the NPA and Solid Waste Authorities.

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

4.5.2 - Aquaculture

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.3 - Land conversion

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

4.5.4 - Livestock farming/Grazing of domesticated animals

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			

4.5.5 - Crop production

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.6 - Commercial wild plant collection

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.7 - Subsistence wild plant collection

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.8 - Commercial hunting

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.9 - Subsistence hunting

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.10 - Forestry/Wood production

Relevant	<input checked="" type="checkbox"/> 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

Free roaming goats continue to devastate areas of important archaeology and ecology increasing erosion risks and destruction. Fishing has drastically reduced and now done by a small number of local subsistence fishermen (non-commercial) who are controlled and monitored. There is an improved monitoring system as newly employed marine ecologist who studies on the marine organisms, reef and anchorages. The NPA actively engages in coral reef restoration activities to mitigate erosion impacts.

4.6. Physical resource extraction

4.6.1 - Mining

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.6.2 - Quarrying

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.6.3 - Oil and gas

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.6.4 - Water (extraction)

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

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

There is no mining activities within the Buffer Zone and WHS, no logging or extractive activities. However, there is a small desalination plant (RO) in the Buffer Zone that extracts sea water for conversion to fresh potable water that us used by the communities, WHS, visitors, etc. It is low output for immediate community use.

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

4.7.2 - Relative humidity

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.7.3 - Temperature

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.7.4 - Radiation/Light

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.7.5 - Dust

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.7.6 - Water (rain/water table)

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

4.7.7 - Pests

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing

Positive							
Negative	X	X	X	X			↗

4.7.8 - Micro-organisms

Relevant	X 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

We have been in drought condition for over five years and this has reduced surface water, caused erosion when the rain does come, particularly in storm events. Increases in pests like termites and invasive beetles have increased repairs to wooden buildings and impacted native flora. Sargassum seaweed beaching events has increased smothering our coastal ecosystems, tourism, marine life and caused coastal residents to evacuate frequently. Hurricanes have increased in frequency.

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

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

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

4.8.3 - Indigenous hunting, gathering and collecting

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

Relevant	X Not relevant
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4.8.5 - Identity, social cohesion, changes in local population and community

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

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

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

Our economy took a major negative hit from COVID 19 and the WHS was closed during periods of isolation and closure of tourism season. This provided time for some project improvements, planning, maintenance and training activities but the loss of revenue will take years to regain. The WHS generates significant community economic activity focused on sustainable livelihoods. The community is impacted by very high real estate prices which is changing the community makeup. Data collection ongoing.

4.9. Other human activities

4.9.1 - Illegal activities

Relevant	X Not relevant
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4.9.2 - Deliberate destruction of heritage

Relevant	X Not relevant
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4.9.3 - Military training

Relevant	X Not relevant
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4.9.4 - War

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.9.5 - Terrorism

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.9.6 - Civil unrest

Relevant	<input checked="" type="checkbox"/> Not relevant
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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

None of these factors are an issue. Looting is greatly reduced thanks to increased monitoring, CCTV cameras, and we have no threats of warfare or social/political conflicts. By increasing the trail systems, more visitors and increased popularity has reduced the ability and opportunity for looting and theft of historic objects, however, environmental degradation and capacity of the trail systems needs to be studied. Some increase in littering along trails.

4.10. Climate change and severe weather events

4.10.1 - Storms

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive							
<input checked="" type="checkbox"/> Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

4.10.2 - Flooding

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive							
<input checked="" type="checkbox"/> Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

4.10.3 - Drought

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive							
<input checked="" type="checkbox"/> Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

4.10.4 - Desertification

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive							
<input checked="" type="checkbox"/> Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

4.10.5 - Changes to oceanic waters

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive							
<input checked="" type="checkbox"/> Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

4.10.6 - Temperature change

<input checked="" type="checkbox"/> 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

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

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

Site is a low coastal setting less than 1 m above sea level. Grant and technical assistance is needed for sea level rise mitigation and adaptation of key components of the OUV. Hurricanes and coastal flooding and erosion are an increasing threat that is already having a major impact. Drought leads to changes and loss of vegetation, soil coverage and soil depletion, and the pH changes in the sea is causing coral bleaching and loss. New pests have been identified.

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

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

4.11.2 - Earthquake

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

4.11.3 - Tsunami/Tidal wave

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

4.11.4 - Avalanche/Landslide

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

4.11.5 - Erosion and siltation/Deposition

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

4.11.6 - Fire (wildfire)

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

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

The property is threatened by earthquakes, fires, tsunamis, ground liquification, erosion and siltation of the waterways as well as the impacts of climate change. The harbour suffers from siltation and requires dredging. Grant and technical assistance is needed to assess the impacts to the OUV of these threats and adaptation and mitigation and adaptation strategies consistent with the OUV are needed.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
-----------------------------------	--

4.12.2 - Invasive/Alien terrestrial species

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

4.12.3 - Invasive/Alien freshwater species

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
-----------------------------------	--

4.12.4 - Invasive/Alien marine species

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

4.12.5 - Hyper-abundant species

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

4.12.6 - Modified genetic material

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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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

Sargasso seaweed flows are smothering the coasts damaging beaches, reefs, coastal seagrass beds and marine life, and negatively impacting tourism, communities, fishing, economy, environment. Other invasive species have negatively impacted flora and there is a threat from the Giant African Snail. Technical assistance to document these threats is needed and grant assistance is needed to monitor and reduce these threats.

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

<input checked="" type="checkbox"/> Relevant	<input type="checkbox"/> 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
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4.13.4 - Management activities

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

	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕	✕	✕	✕		→	
➖ Negative ✕	✕		✕	✕		→	

4.13.7 - Low impact research/monitoring activities

✕ 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

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

	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕	✕	✕	✕		→	

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

The NPA is well established with a management plan, though outdated. Efforts to complete a 2022-27 WHS Management Plan are underway. Covid had a negative impact on self financing and more resources and public engagement are needed to improve management. There is a more working with partner governmental and NGO agencies for additional monitoring and legislative protections of the WHS. Research with international collaborators in heritage, archaeology and marine ecology contexts. Funding needed.

4.14. Other factor(s)

4.14.1 - Other factor(s)

The trend is generally positive and increasing in the protection of the OUV through improved management practices. Additional internal management exercises and public education are being implemented to increase public and internal awareness of the management and protection of the OUV. Tools like METT4 are part of the management review structure. Technical and grant assistance will speed management plan development and execution in capacity, legislation, procedures and data collection.

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact			Origin		Trend
4.1 Buildings and Development						
4.1.1 Housing	⊖	⚠		🔄		↗
4.1.4 Major visitor accommodation and associated infrastructure	⊖	⚠		🔄		↗
4.1.5 Interpretative and visitation facilities	⊕	⚠	🔄			↗
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure	⊕	⚠		🔄		↗
	⊖	⚠		🔄		↗
4.2.3 Air transport infrastructure	⊕	⚠	⚠	🔄		→
4.2.4 Marine transport infrastructure	⊕	⚠	⚠	🔄		↗
	⊖		⚠	🔄		↗
4.3 Services Infrastructures						
4.3.1 Water infrastructure	⊕	⚠	⚠	🔄		→
4.3.2 Renewable energy facilities	⊖	⚠	⚠	🔄		↘
4.3.4 Localised utilities	⊕	⚠		🔄		→
4.4 Pollution						
4.4.1 Pollution of marine waters	⊖	⚠	⚠	🔄		→
4.4.2 Ground water pollution	⊖	⚠	⚠	🔄		↗
4.4.5 Solid waste	⊖	⚠	⚠	🔄		→
4.5 Biological resource use/modification						
4.5.1 Fishing/collecting aquatic resources	⊕	⚠		🔄		→
	⊖	⚠	⚠	🔄		→

4.5.3 Land conversion						
	⊖	⚠	⚠		↺	↻
4.5.4 Livestock farming/Grazing of domesticated animals						
	⊖	⚠			↺	→
4.6 Physical resource extraction						
4.6.4 Water (extraction)	⊕	⚠		⊕		→
4.7 Local conditions affecting physical fabric						
4.7.1 Wind						
	⊖	⚠	⚠		↺	→
4.7.6 Water (rain/water table)						
	⊖	⚠	⚠		↺	↻
4.7.7 Pests						
	⊖	⚠	⚠	⊕	↺	↻
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage	⊕	⚠		⊕	↺	↻
4.8.6 Impacts of tourism/Visitation/Recreation	⊕	⚠	⚠	⊕	↺	↻
	⊖	⚠	⚠	⊕	↺	→
4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖	⚠	⚠	⊕	↺	↻
4.10.2 Flooding						
	⊖		⚠	⊕	↺	↻
4.10.3 Drought						
	⊖	⚠	⚠	⊕	↺	↻
4.10.4 Desertification						
	⊖	⚠	⚠		↺	↻
4.10.5 Changes to oceanic waters						
	⊖	⚠	⚠		↺	↻
4.10.6 Temperature change						
	⊖	⚠	⚠		↺	↻
4.10.7 Other climate change impacts						
	⊖	⚠	⚠		↺	↻
4.11 Sudden ecological or geological events						
4.11.2 Earthquake						
	⊖		⚠		↺	↻
4.11.3 Tsunami/Tidal wave						
	⊖		⚠		↺	→
4.11.4 Avalanche/Landslide						
	⊖		⚠	⊕		→
4.11.5 Erosion and siltation/Deposition						
	⊖		⚠	⊕	↺	→

4.11.6 Fire (wildfire)									
4.12 Invasive/alien species or hyper-abundant species									
4.12.2 Invasive/Alien terrestrial species									
4.12.4 Invasive/Alien marine species									
4.12.5 Hyper-abundant species									
4.13 Management and institutional factors									
4.13.1 Management system/Management plan									
4.13.2 Legal framework									
4.13.4 Management activities									
4.13.5 Financial resources									
4.13.6 Human resources									
4.13.7 Low impact research/monitoring activities									
4.13.8 High impact research/monitoring activities									
Legend	Current	Potential	Negative	Positive	Inside	Outside			

4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name		Impact			Origin		Trend
4.1.1 Housing							
Spatial scale - Area affected by the factor							
<input checked="" type="checkbox"/>	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
<input checked="" type="checkbox"/>	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Impact on the attributes							

	Insignificant
<input checked="" type="checkbox"/>	Minor
	Significant
	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.1.4 Major visitor accommodation and associated infrastructure			




Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact	
<input checked="" type="checkbox"/>	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
	Insignificant
	Minor
<input checked="" type="checkbox"/>	Significant
	Major

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
<input checked="" type="checkbox"/>	Static
	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	 		

Spatial scale - Area affected by the factor

<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes

<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major











Management response - Capacity of management to respond

<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years

<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

4.2 Transportation Infrastructure

Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	 	 	
	 	 	




Spatial scale - Area affected by the factor

<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact












<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent

<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
	Insignificant
<input checked="" type="checkbox"/>	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
	Medium capacity
<input checked="" type="checkbox"/>	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.2.3 Air transport infrastructure	  		

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

<input checked="" type="checkbox"/>	Increasing
-------------------------------------	------------

Name	Impact	Origin	Trend
4.2.4 Marine transport infrastructure	  	 	
	 	 	

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread







Temporal scale - Occurrence of the impact	
<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing





4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water infrastructure	  	 	

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread






Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic

<input checked="" type="checkbox"/>	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
<input checked="" type="checkbox"/>	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
<input checked="" type="checkbox"/>	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.3.2 Renewable energy facilities			
			
			

Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
<input checked="" type="checkbox"/>	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
<input checked="" type="checkbox"/>	Major
Management response - Capacity of management to respond	
	High capacity
<input checked="" type="checkbox"/>	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
4.4.1 Pollution of marine waters	  	 	

Spatial scale - Area affected by the factor

✘	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact







	One off or rare
--	-----------------

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

Name	Impact	Origin	Trend
4.4.2 Ground water pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

	Static
	Increasing

Name	Impact	Origin	Trend
4.4.5 Solid waste			
	  	 	 

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
<input checked="" type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes

	Insignificant
<input checked="" type="checkbox"/>	Minor
	Significant
	Major












Management response - Capacity of management to respond

	High capacity
<input checked="" type="checkbox"/>	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years

	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

4.5 Biological resource use/modification

Name	Impact	Origin	Trend
4.5.1 Fishing/collecting aquatic resources	 	 	 
	  	 	 






Spatial scale - Area affected by the factor

	Restricted
<input checked="" type="checkbox"/>	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
--	-----------------

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

Name	Impact	Origin	Trend
4.5.3 Land conversion			
			
			

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

<input checked="" type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.5.4 Livestock farming/Grazing of domesticated animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Spatial scale - Area affected by the factor

<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes

<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond

<input type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input checked="" type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years

<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

4.6 Physical resource extraction

Name	Impact	Origin	Trend
4.6.4 Water (extraction)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





Spatial scale - Area affected by the factor

<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact






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

Name	Impact	Origin	Trend
4.7.7 Pests			
	  	 	

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

	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

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

Spatial scale - Area affected by the factor	
	Restricted
	Localised
<input checked="" type="checkbox"/>	Extensive
	Widespread






Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
<input checked="" type="checkbox"/>	Major

Management response - Capacity of management to respond	
	High capacity
<input checked="" type="checkbox"/>	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
	Static
<input checked="" type="checkbox"/>	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			

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

<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.10.3 Drought			
	  	 	






Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.10.4 Desertification			
	  		






Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	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
4.10.5 Changes to oceanic waters						

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

<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.10.6 Temperature change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			
			




Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input checked="" type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources





Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.10.7 Other climate change impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			
			

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	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
<input checked="" type="checkbox"/>	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years

	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.11.3 Tsunami/Tidal wave	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Spatial scale - Area affected by the factor

	Restricted
	Localised
<input checked="" type="checkbox"/>	Extensive
	Widespread

Temporal scale - Occurrence of the impact

<input checked="" type="checkbox"/>	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

	Insignificant
	Minor
	Significant
<input checked="" type="checkbox"/>	Major

Management response - Capacity of management to respond

	High capacity
	Medium capacity
<input checked="" type="checkbox"/>	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years

	Decreasing
<input checked="" type="checkbox"/>	Static
	Increasing

Name	Impact	Origin	Trend
4.11.4 Avalanche/Landslide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Spatial scale - Area affected by the factor

	Restricted
--	------------

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

Name	Impact	Origin	Trend
4.11.5 Erosion and siltation/Deposition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input checked="" type="checkbox"/>	Major
Management response - Capacity of management to respond	

	High capacity
	Medium capacity
<input checked="" type="checkbox"/>	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.11.6 Fire (wildfire)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Spatial scale - Area affected by the factor	
	Restricted
<input checked="" type="checkbox"/>	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
<input checked="" type="checkbox"/>	Frequent
	On-going

Impact - Impact on the attributes	
	Insignificant
	Minor
<input checked="" type="checkbox"/>	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
	Medium capacity
<input checked="" type="checkbox"/>	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
<input checked="" type="checkbox"/>	Static
	Increasing

4.12 Invasive/alien species or hyper-abundant species

Name	Impact	Origin	Trend
4.12.2 Invasive/Alien terrestrial species	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>






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

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

Name	Impact			Origin		Trend
4.12.4 Invasive/Alien marine species	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	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
4.12.5 Hyper-abundant species			
			
			






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

Name	Impact	Origin	Trend
4.13.2 Legal framework	  	 	






Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input checked="" type="checkbox"/>	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
	Static
X	Increasing

Name	Impact	Origin	Trend
4.13.4 Management activities	  		

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
X	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes







	Insignificant
	Minor
	Significant
X	Major

Management response - Capacity of management to respond

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







Trend - Development over the last 6 years

	Decreasing
	Static
X	Increasing

Name	Impact	Origin	Trend
4.13.5 Financial 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
4.13.6 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

Name	Impact	Origin	Trend
4.13.8 High impact research/monitoring activities	  	 	

Spatial scale - Area affected by the factor	
	Restricted

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

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					
4.18.1.2					
4.18.1.3					
4.18.1.4					
4.18.1.5					

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 the management authority **but are not known** by 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 the management authority **but are not known** by local communities/landowners

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

From surveys it is clear that the buffer zone boundaries (also the Park boundaries) are not well known in the communities within the Park and there are some limitations within the management organization in understanding where the boundaries are. This is being addressed through a traditional and social media education campaign and ongoing community outreach work.

5.2. Protective Measures

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

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

2019 / Environmental Protection and Management Act / Legislation / 2019 /

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?

An adequate legal framework for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation

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?

An adequate legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation

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?

An adequate legal framework exists for the broader setting of the World Heritage property, but there are some deficiencies in implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property

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

All development plans in the WHS and Buffer must be reviewed by the managing authority or are otherwise considered null and void according to the National Parks Act. This also extends in law and practice to any activities within the National Park (Buffer Zone) where government agencies collaborate and communicate with the managing authority. The Act also provides for the creation of regulation. Collaboration with national jurisdictional authorities is good.

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

A legislative review committee within the Managing Authority is identifying gaps and weaknesses in the existing legislation and regulations with the purpose of strengthening both the parent act and regulations to enhance the protections and authorities already existing. The property is explicitly a part of this process in updating the legislation.

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 provincial/regional 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

A management plan

An annual work plan or business plan

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

By law the National Parks is required to have a National Parks Plan. Currently, amendments to the Parks Plan for (World) Heritage and Environmental management are being prepared. These include stakeholder consultations, and require public consultation by law.

5.3.4 - Management Documents

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.

NA

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?

No 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:

NA

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

NA

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 only partially 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			X		
5.3.15.2	Local authorities			X		
5.3.15.3	Landowners in the property and the buffer zone			X		
5.3.15.4	Indigenous peoples	X				
5.3.15.5	Women			X		
5.3.15.6	Other specific groups	X				
	If you selected, 'Other specific groups' please specify					

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				X	
5.3.16.2	Local/Municipal authorities				X	
5.3.16.3	Indigenous peoples	X				
5.3.16.4	Landowners				X	
5.3.16.5	Women				X	
5.3.16.6	Youth/Children			X		
5.3.16.7	Researchers					X
5.3.16.8	Local Visitors/Tourists			X		
5.3.16.9	National/International tourists					X
5.3.16.10	Tourism Industry					X
5.3.16.11	Local businesses and industries				X	
5.3.16.12	NGOs				X	

5.3.16.13	Other specific groups					
	If you selected 'Other specific groups', please specify					

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					X
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)				X	
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				X	
5.3.17.4	The management system of the property integrates a human rights-based approach				X	
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood					X
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				X	

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

The trend for greater outreach is positive as it is a management goal to expand our education and public consultation process. Based on our social science research, we face significant socio cultural and economic pressures within our communities. These include the perception of unequal access to natural resources and the real economic inequalities in the area which feed the perceptions. Grant assistance is needed to fully understand and study these evolving issues.

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

The property has nearly 40 years of continuous management and has proven to be adequate. Significant work has been done to upgrade management procedures and more work is needed. Technical and grant assistance is needed to streamline and upgrade reporting procedures and data collection.

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)	0 %	0 %
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 %	20 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	70 %
6.1.1.12	Other	0 %	10 %
		Total 0 %	Total 100 %

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

By law the NPA is self financing with several businesses including marina, hotel, events, visitor services, jurisdictional fees and leases contributing. Small grants for heritage and environmental projects are solicited and received occasionally for projects. Occasional large donations for specific projects are made, such as the Clarence House restoration. More grant funding is needed to support significant projects like historic building evaluation and stabilization.

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

Covid hampered our ability to raise revenues. The two year depletion must be first addressed in the short term to ensure that our needs are being met at the organizational level and to maintain our heritage sites. Once the pandemic eases, medium term forecasting is good as the authority is self financing by law. Additional donations and grants are constantly being sought. Long term climate change threatens the viability of the site and requires significant capital. We are self fully funded.

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	51 %	0 %
6.1.6.2	Women	49 %	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	Fair
Environmental sustainability	Fair
Community participation and inclusion	Fair
Risk preparedness	Fair
Capacity development and education	Poor
Administration	Fair
Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Poor
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Poor

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.

NA

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

Almost all management activities are done internally as the managing authority is broad with commercial and jurisdictional interests. The issues is under staffing due to budgetary constraints, however, the internal training of skills is strong as new staff are incorporated. Grant, project and technical assistance is needed for specialized projects and to expand the number and capacity of the technical staff.

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 **insufficient**

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

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

Research results **are shared with local communities and some national agencies**

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

There is an active research program through the Heritage Department and Environment Unit which conduct research to assist in management decisions. The amount of research is circumscribed by the limited number of staff, however, the technical reporting and acceptance is growing within the organization.

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	Fair
Local/municipal authorities	Not applicable
Indigenous peoples	Not applicable
Landowners	Fair
Women	Poor
Youth/children	Poor
Researchers	Fair
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Fair
Local businesses and industries	Fair
NGOs	Fair
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	

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 a **limited and ad hoc education** and awareness programme for children and/or youth

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

Local communities
Landowners
Researchers
Local Visitors
National/international tourists
Tourism industry

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	Good
Site museum	Good
Information booths	Poor
Guided tours	Fair
Trails/routes	Good
Printed information materials	Not provided but needed
Online (website, social media, etc.)	Fair
Transportation facilities	Fair
Other	Not needed
If 'Other' is selected, please specify	

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

We encourage and host students to visit and our staff visits numerous schools to educate students and teachers. We have social media programs and weekly lectures for the community and regular special events for the public, plus numerous publications, videos, and televised activities.

9. Visitor Management

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

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

Entry tickets and registries

Other

Yacht and immigration data as many come by sea to our marina.

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

One to three hours

9.4 - Please provide the source of information

The majority of the visitors are cruise ship tourists who spend less than 2 hours in the property. Hotel guests stay an average of 5 days. Marina average stay as short as 1 night and as long as three 5 months. The private hotels average between 3 to 7 nights, sometimes longer.

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

15 /

9.6 - Please provide the source of information

Granular data is not collected or collated at the property level, but only at the national level.

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 there are **some deficiencies in implementation**

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

The inscribed property has been a tourism site since 1961 and a National Park since 1984 with tourism management strategies. There is a strategy for managing visitors and tourism activities, and the impacts on the property are monitored. Limited staffing and resources impacts consistent and broad scope data collection across the property, however, these have been identified as weaknesses requiring addressing.

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

Visitor use of the World Heritage property is managed but **improvements could be made**

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

METT4

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 **good 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** and **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 a **substantial contribution** to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

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

Yes

If 'Yes', please specify

The premier heritage tourism site in the country with a significant tour, taxi, vendor, and ancillary business ecosystem

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

Internal evaluations have identified the need to strengthen national and international recognition of the property as a World Heritage Site. This is being done through traditional and social media outreach, interviews, and built into our tours and events. There are some capacity issues during peak cruise ship visitation hours and there also needs to be an expansion of tourism related activities so that especially our day visitors are enticed to stay longer and return.

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 **considerable monitoring** but it is not directed towards management needs and/or improving the understanding of 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			x	
10.3.2	Effectiveness of the management system			x	
10.3.3	Character of governance				
10.3.4	Appropriate synergy with other conservation designations			x	
10.3.5	Contribution to sustainable development			x	
10.3.6	Capacity development			x	

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

There is some monitoring (10.1) which is hampered by limited staff, however, the monitoring which is being done is geared towards maintaining and enhancing the OUV and informing management decisions. Indicators which incorporate the entirety of the WHS and Buffer Zone are being refined and tools like the METT 4 are incorporated into the management system to track changes. The Heritage Department is incorporated into the management structure to ensure that the WHS inscription is considered.

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

World Heritage managers/coordinators and staff	Not applicable
Local/municipal authorities	Not applicable
Local communities	Not applicable
Indigenous peoples	Not applicable
Landowners	Not applicable
Women	Not applicable
Researchers	Not applicable
Tourism industry	Not applicable
Local businesses and industry	Not applicable
NGOs	Not applicable
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 underway

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

A heritage bill is drafted and is being pushed. The WHS management plan was drafted and a new one for 2022-2027 is being drafted now. A more integrated HIA approach to development has been implemented as well as an upgraded building guidelines for the WHS and immediate buffer zone.

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

Monitoring has increased with the addition of technical staff every year between 2018 and 2022. Increased patrols have provided greater visibility in the community and stakeholders who are also now making direct inquiries and reports of infractions in the WHS and Buffer.

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.1	Boundaries and Buffer Zones	
5.1.2	The boundaries of the World Heritage property are known by the management authority but are not known by local communities/landowners	✘
5.1.4	The buffer zones of the World Heritage property are known and recognised by the management authority but are not known and recognized by local communities/landowners	✘
5.2	Protective Measures	
5.2.3	An adequate legal framework for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation	✘
5.2.4	An adequate legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation	✘
5.2.5	An adequate legal framework exists for the broader setting of the World Heritage property and the buffer zone, but there are some deficiencies in implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	✘
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	No 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	✘
5.3.12	The management system/plan is only partially adequate to maintain the property's Outstanding Universal Value	✘
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	
7.1	Knowledge about the values and attributes of the World Heritage property is insufficient	✘
8	Education, Information and Awareness Building	
8.2	There is a limited and ad hoc education and awareness programme for children and/or youth	✘
9	Visitor Management	
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	✘
9.9	Visitor use of the World Heritage property is managed but improvements could be made	✘
9.12	The Outstanding Universal Value of the property is not adequately presented and interpreted	✘
10	Monitoring	
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	✘
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 -12 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

4.2		Transportation Infrastructure						
4.2.1		Ground transport infrastructure						
4.8		Social/Cultural uses of heritage						
4.8.6	Impacts of tourism/Visitation/Recreation	Greater programming has allowed for the inscription (criteria II and IV) to be better known and understood amongst national and international audiences.	Increased public programming through interpretation signage, new tours, traditional and social media.	Data collection of visitors, monitoring of visitor comments, monitoring language use in national media outlets.	Ongoing	NPA and partners including schools, Ministry of Tourism, Tourism Authority, etc.	Awareness of the WHS is high, but knowledge of the inscription and what being a WHS means is still anecdotally very low.	
4.10		Climate change and severe weather events						
4.10.1	Storms	Impacts criteria II and IV as larger storms and sea level rise directly affect the historical fabric of the Georgian structures and the underlying economics which support the continuous cultural landscape.	Solicit grants and financial support to study ways of combating sea level rise while maintaining the OUV of the site. This is an urgent need.	Climate change activity is constantly being documented with shifts in the sea level, species shifts, and erosion impacts already being felt.	Immediate priority to collect data and create a plan to protect the property from sea level rise and build resiliency into the financial structure to pay for all of the modifications.	NPA	This is a major priority and existential threat to the property. The NPA cannot leverage the financial requirements alone and requires significant technical and financial assistance to assure the longevity of the site.	
4.10.3		Drought						
4.10.5	Changes to oceanic waters	Criteria II and IV, primarily the impact on the archaeology and the Georgian architecture from sea level rise. Other impacts include sargassum seaweed rafts which release corrosive Sulphur gases impacting visitors, buildings and artifacts.	A sargassum plan is in place to remove the small amounts of weed which make it into the harbour. Hard infrastructure plans to hold back rising seas is needed to protect the Dockyard.	The NPA monitors sargassum and issues a monthly brief. Sea level rise when it comes over the historic quay is recorded.	Immediate need to start the data collection directly for mitigation of sea level rise.	NPA, Department of Environment	The NPA requires significant financial and technical assistance to develop mitigation plans for changes in the oceanic waters. This also includes monitoring the long term viability of the yachting industry and increase storm strength.	
4.10.7	Other climate change impacts	Criteria II and IV, both the fabric of the historic structures and the cultural practices derived from the maritime practices from the community are threatened by climate change. Changes in heat, humidity, storms, sea level, contribute negatively.	Continue monitoring the situation and apply for grants to conduct impact studies and rehabilitation work like coral nurseries.	Regular monitoring of terrestrial and maritime ecosystems for impacts from climate change and programming to establishing long term adaptation and resiliency through mangrove wetland restoration and coral nursery and out planting programs.	Immediate. The impacts of climate change are being felt at the property from increased heat, humidity, drought, larger and longer cyclones, sea level rise, and torrential rain events.	NPA. Department of Environment	Climate change is an existential threat for the WHS and requires significant financial and technical assistance to develop the best strategies to ensure longevity.	
4.11		Sudden ecological or geological events						
4.11.2		Earthquake						

4.11.5	Erosion and siltation/Deposition	Criteria II, the harbour is slowly silting up from increased erosion events precipitated by drought, goats, and heavy rainfall events. The harbour channel will require cleaning to allow for maritime activities to continue.	Conduct archaeological surveys of the channel and harbour to identify artifacts and other heritage items which may be impacted by the siltation and any action to remove the siltation.	Commercial divers are employed in the harbour all year round and record impacts. Additional archaeological work is also carried out annually including remote sensing to establish more data.	Immediate. More than 40% of the operational budget for the property comes directly from yachting. Yachts are also on average getting larger and require space to maneuver. This will require actions consistent with the OUV.	NPA, Port Authority, Antigua and Barbuda Marine Registry (ADOMS)	The economic model of the WHS requires access to the yachting sector for more than 40% direct revenue and another 35% indirect (hotel, events, leases for yacht service organizations).
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4.12 Invasive/alien species or hyper-abundant species

4.12.2	Invasive/Alien terrestrial species						
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4.13 Management and institutional factors

4.13.6	Human resources	Criteria II and IV, the historical buildings and archaeological areas require increasing interventions for stabilization. The ecological areas require additional monitoring. Increased security for the entire site is also needed.	Expansion of the Heritage Department from one to three people, and increase the Environment Unit from two to four people to improve monitoring, procedure and reporting. These need to be supplemented with specialist conservationists.	Covid caused a great reduction in staff from the NPA. This needs to be addressed as finances return.	This has to be a slower expansion as each position must be funded by the NPA. Short term consultancies or positions through grant funding is possible. More financial and technical assistance is needed in short and long term to address climate change	NPA	Training and education opportunities are a part of the management plan for staff at the NPA. More support is needed to expand these opportunities.
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Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.1	Boundaries and Buffer Zones						
		Actions	Timeframe	Lead agency (and others involved)	More info / comment		
5.1.2	The boundaries of the World Heritage property are known by the management authority but are not known by local communities/landowners						
5.1.4	The buffer zones of the World Heritage property are known and recognised by the management authority but are not known and recognized by local communities/landowners	Increase awareness through traditional and social media campaigns, constantly engaging the public and building the boundaries into our daily interpretation scheme.	Underway. This has been identified as a priority for since 2019.	NPA	Anecdotally, awareness is growing. A study in 2020 showed some knowledge of the boundaries from the wider public. A follow up study is needed.		
5.2	Protective Measures						
5.2.3	An adequate legal framework for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation	The National Parks Act and regulations are strengthened by the Environmental Protection and Management Act and the Litter Act (both of 2019) which give protection for the WHS. Deficiencies come from lack of human resources for full implementation.	ongoing	NPA, Development Control Authority, Central Board of Health, Port Authority, Public Works Department, National Solid Waste Authority, Department of Environment.	A heritage protection bill is being considered which would strengthen the legal framework. This would still require increases in human and material capacity for implementation.		

5.2.4	An adequate legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation	The National Parks Act has been in force since 1984 and has been better implemented over the last decade. Implementation is deficient due to human and material constraints for monitoring and enforcement.	Ongoing	NPA	Greater capacity will overcome deficiencies. Additional legislation will also support greater protections.
5.2.5	An adequate legal framework exists for the broader setting of the World Heritage property and the buffer zone, but there are some deficiencies in implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property				
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	No 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				

5.3.12	The management system/plan is only partially adequate to maintain the property's Outstanding Universal Value				
5.3.13	The management system at the property is only being partially implemented				

6.1	Funding				
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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	Increasing staffing will have to wait until finances stabilize from Covid impact. Internal training is offered to increase staff capacity. Grant funding is required to expand capacity for short and medium term projects.	Ongoing	NPA	To remain financially solvent, the NPA must prioritize the stabilization of historical buildings and maintain its businesses after covid. Grant and technical assistance is needed to support gaps in short and medium term projects.
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Review the WH Strategy for Capacity Development and discuss with National Commission.	Ongoing	NPA, National Commission	Until this survey we were unaware of the program.

7	Scientific Studies and Research Projects				
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7.1	Knowledge about the values and attributes of the World Heritage property is insufficient	Continue education campaign in schools, events, interpretation and in social and traditional media.	Ongoing	NPA	This is a management priority as the more knowledge about the site the better protected the site becomes.
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8	Education, Information and Awareness Building				
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8.2	There is a limited and ad hoc education and awareness programme for children and/or youth	Develop closer relationships with schools in the WHS buffer and adjacent communities.	Ongoing	NPA	This is hindered by a lack of staffing to fully implement an education program for schools.
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9	Visitor Management				
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9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	Complete WHS Management Plan to address this deficiency.	Complete plan and start implementation by end of 2022	NPA	A key area for increased study after a 2019 Carrying Capacity Study and a 2020 Socio Economic Study indicated major stressors.
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9.9	Visitor use of the World Heritage property is managed but improvements could be made	Complete WHS management plan	Adopted by the end of 2022	NPA	This should focus efforts on most of the above management issues.
9.12	The Outstanding Universal Value of the property is not adequately presented and interpreted				
10	Monitoring				
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value				
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	This is being address through increased general and targeted patrols by NPA and greater collaboration between the NPA and other agencies and community members.	Ongoing	NPA	This will have greater clarity upon completion of the next WHS management plan.

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 are being **partially degraded** but the state of conservation of the World Heritage property has **not been significantly impacted**

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

Increasing real estate prices have pushed multigenerational Antiguan and Barbudans out of the area. There are pressures to develop areas in the buffer and remaining private lands within the WHS. Technical assistance is needed for estimating total economic impact and sociocultural impact of these changes on the WHS and buffer. Technical and grant assistance is needed to expand conservation efforts, transition to renewable energy and maintain authenticity in the face of sea level rise.

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	Positive
Education	Positive
Infrastructure development	Negative
Funding for the property	Negative
International cooperation	No impact
Political support for conservation	Positive
Legal/Policy framework	Positive
Advocacy	No impact
Institutional coordination	Positive
Security	Positive
Gender equality	Very positive
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	No impact
Fostering inclusive local economic development and enhancing livelihood	Positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Positive
Other	Not applicable
If 'Other', please specify	

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

Indicators are trending largely positively however improved financing and technical support is needed for improved legislation, creating opportunities for local economic development, adaptation to climate change, reduction in fossil fuel consumption, education and outreach.

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

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
Capacity Building

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 World Heritage Convention
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	No follow-up
Site Managers	No follow-up
UNESCO World Heritage Centre	No follow-up
Advisory Bodies (ICOMOS, IUCN, ICCROM)	No follow-up

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

Fundraising

Awareness raising

Advocacy

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

This report complements the METT4 management tool already in use by the NPA, but helps focus on the needs of the WHS.

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

Responsible persons for local designated sites under other international conventions/ programmes

Staff from other World Heritage properties

UNESCO National Commission

Local communities

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

10 / 10 / 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		X
15.3.5.2	Financial resources for organizing consultation meetings/ training	X	

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			X	
15.4.2.2	Clarity of questions		X		

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

Offer training on filling out the questionnaire earlier than three weeks before the deadline.

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	No support
UNESCO (other sectors/field offices)	Fair
UNESCO National Commission	Good
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	Fair
State Party Representative (national Focal Point)	Fair
UNESCO other sectors (e.g. field office)	Fair
National Commission for UNESCO	Fair
ICOMOS International	Not applicable
ICCROM International/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable
IUCN International	Not applicable

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

No

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

They were decent as a supplemental tool, however, they were difficult to locate and difficult to reference while filling out the questionnaire.

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

No item were proposed for update

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

While the overall State of Conservation and protection of the OUV remain intact, technical and funding assistance is needed to ensure the longevity of the property in the face of climate change, rapidly changing demographics and economics, and increased development pressures. The reporting exercise helped clarify these gaps which need specialist interventions.

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