

Blue and John Crow Mountains

1. World Heritage Property Data

1.1 - Name of World Heritage property

Blue and John Crow Mountains

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Blue and John Crow Mountains	18.078 / -76.571	26251.6	28494.01	54745.61	2015
Total (ha)		26251.6	28494.01	54745.61	

1.4 - Map(s)

Title	Date	Link to source
Blue and John Crow Mountains - Map of inscribed property	2015	

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

Comment

<https://www.instagram.com/bluemountainsjamaica/> <https://www.facebook.com/BlueMountainsJamaica> <https://www.blueandjohncrowmountains.org/>
<https://www.jcdt.org.jm/blue-john-crow-mountains/bjcmnp-overview>

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

The Blue and John Crow Mountains is not designated under any of the above

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?

No

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

No

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

No

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

Not applicable

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

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

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

Jamaica is not a signatory to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict and Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict. The Blue and John Crow Mountains also do not have any of the referenced designations and as such do not engage much if at all with the associated focal points

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?

Yes

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

Maroon heritage of Moore Town inscribed on the Representative List in 2008

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

Not aware

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.

There are no Memory of the World listings associated with the site

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 cultural and natural heritage of the Blue and John Crow Mountains comprises 26,252 ha of tropical, montane rainforest within the larger Blue Mountain and John Crow Mountain ranges, located in the eastern part of Jamaica in the Caribbean. These two ranges cover approximately 20% of the island's total landmass and are recognised for their biodiversity significance within the Caribbean Region. The property spans elevations from 850m to 2,256m asl and is surrounded by a buffer zone of some 28,494 ha. The high elevation, rugged landscape and the north and south-facing slopes of the mountains of the property have resulted in a wide variety of habitat types with nine ecological communities within the upper montane forest of the Blue Mountains (over 1,000m) and John Crow Mountains (over 600m). These include a unique Mor Ridge Forest characterised by a deep layer of acidic humus with bromeliads and endangered tree species. Above 1,800m, the vegetation of the Blue Mountains is more stunted with some species restricted to these altitudes. Above 2,000m the forest is known as Elfin Forest due to the stunted and gnarled appearance of the trees which are heavily coated with epiphytes including hanging mosses, ferns and tiny orchids.

The Blue and John Crow Mountains property lies within the Jamaican Moist Forests Global 200 priority eco-region, and is part of one of the 78 most irreplaceable protected areas for the conservation of the world's amphibian, bird and mammal species. Furthermore it coincides with a Centre of Plant Diversity; an Endemic Bird Area and contains two of Jamaica's five Alliance for Zero Extinction sites. There is an exceptionally high proportion of endemic plant and animal species found in the property, Jamaica having evolved separately from other landmasses. In addition, the property hosts a number of globally endangered species, including several frog and bird species.

The Blue and John Crow Mountains property offered refuge to Maroons (former enslaved peoples) and therefore preserves the tangible cultural heritage associated with the Maroon story. This includes settlements, trails, viewpoints, hiding places, etc. that form the Nanny Town Heritage Route. The forests and their rich natural resources provided everything the Maroons needed to survive, to fight for their freedom, and to nurture their culture. Maroon communities still hold strong spiritual associations with these mountains, expressed through exceptional intangible manifestations.

Criterion (iii): The Blue and John Crow Mountains in combination with its cultural heritage, materialised by the Nanny Town Heritage Route and associated remains, i.e. secret trails, settlements, archaeological remains, look-outs, hiding places etc., bear exceptional witness to the phenomenon of grand marronage as characterized by Windward Maroon culture which, in the search for freedom from colonial enslavement, developed a profound knowledge of, and attachment to, their environment, that sustained and helped them to achieve autonomy and recognition.

Criterion (vi): Blue and John Crow Mountains is directly associated with events that led to the liberation, and continuing freedom and survival, of groups of fugitive enslaved Africans that found their refuge in the Blue and John Crow Mountains. The property conveys outstandingly its association with living traditions, ideas and beliefs that have ensured that survival, and the specificity and uniqueness of which was recognised by UNESCO in 2008 through its inscription in the Representative List of Intangible Heritage.

Criterion (x): The Blue and John Crow Mountains belongs to the Caribbean Islands biodiversity hotspot and is an important centre for plant endemism in the Caribbean displaying 50% endemism in the flowering plants at elevations above 900-1000 m asl with between 30-40 % of these species found only within the property's boundaries. One of two Centres of Plant Diversity in Jamaica, the property includes a reported 1,357 species of flowering plant of which approximately 294 are Jamaican endemics and 87 of these species are found only within the property. 61 species of liverwort and moss occur in the property as well as 11 species of lichen, all of which are endemic. Genera which are well represented in the endemic flora of the property include *Pilea* (12 spp); *Lepanthes* (12 spp); *Psychotria* (12 spp) and *Eugenia* (11 spp).

The Blue and John Crow Mountains overlaps with one of the world's most irreplaceable protected areas, based on its importance for amphibian, bird and mammal species. The property hosts globally significant populations of bird species and represents a key part of the Jamaican Endemic Bird Area. It is important for a number of restricted-range species as well as a large number of migratory birds such as the Petchary (*Tyrannus domenciensis*) Bicknell's Thrush (*Catharus bicknellii*) and Swainson's Warbler (*Limnothlypis swainsonii*). The property contains two of Jamaica's five Alliance for Zero Extinction sites, hosting a significant number of globally endangered species, including the critically endangered plant species *Podocarpus urbanii*, *Eugenia kellyana* and *Psychotria danceri*. The property is also home to several endangered frog and bird species including the critically endangered Arntully Robber Frog, *Eleutherodactylus orcutti* and the Jamaican Peak Frog, *E. alticola*. Threatened bird species include Bicknell's Thrush *C. bicknellii*, the Jamaican Blackbird, *Nesopsar nigerrimus*, as well as the Yellow-billed Parrot, *Amazona collaria* and Black-billed Parrot, *Amazona agilis*. The only terrestrial non-flying mammal species found in the property is the threatened rodent *Hutia*, *Geocapromys brownii* with a population restricted to John Crow Mountains.

Integrity

The Blue and John Crow Mountains protects the most intact forests within the upper elevations of the Blue and John Crow Mountains. The more disturbed lower elevation areas are contained within the surrounding buffer zone. The property is legally well protected as it falls within the boundaries of the larger Blue and John Crow Mountains National Park and is aligned with the park's Preservation Zone, providing the strictest levels of protection within the zoning system. The area is rugged, remote with limited access thereby providing additional security against some threats. The boundaries of the property are well designed to include the key attributes of its biodiversity values. Nevertheless there are a range of current and potential threats to the property, including from invasive alien species, encroachment, mining, fire and climate change. The majority of threats emanate from the interface between the higher elevation property and lowlands within the buffer zone.

The Blue and John Crow Mountains encompass the core cultural properties, sites and vestiges that support their significance as the refuge of the Windward Maroons. Their physical fabric is in a fair condition. The relationships and dynamic functions present in the landscape and the living properties essential to its distinctive character are maintained but require strengthening. The effective protection of the buffer zone is essential in order to sustain the integrity of the property.

Authenticity

The cultural heritage of the Blue and John Crow Mountains related to the story of the Windward Maroons exhibits a high degree of authenticity in terms of location and setting. The rugged topography and the impenetrable vegetation convey the function as refuge played by the area. Continuity of names of specific places and stories associated with them contribute to sustaining their authenticity. However, the most important aspect of authenticity for this cultural heritage is the meaning and significance attributed by Maroons to their heritage, and the strength and depth of linkages established by them to it. The mountains are also home to Maroon ancestors' spirits and therefore provide a link for Maroons to their past and preceding generations.

Protection and management requirements

The property enjoys good levels of legal protection as it lies within the Blue and John Crow Mountains National Park. As such it is protected by a suite of legislation including the Natural Resources (National Park) Act (1993) and its regulations; the Forestry Act (1996); the Natural Resources Conservation Authority Act (1991) and the Protected National Heritage under Jamaica National Heritage Trust Act (1985). The property is also covered by a well-structured 5 year management plan.

The Blue and John Crow Mountains is subject to a complex governance regime that ensures broader engagement but should strive for continually improved inter-organisational coordination and cooperation. The management of the property recognises the complex interplay between its natural and cultural values and the Maroon local communities are positively engaged with the site and its management. The integration in protection and management activities of Maroon community members helps sustain their links with their heritage and supports the state agencies in achieving their mandates for the safeguarding of the property. Protection of

the natural values of the property is also dependent to large extent on the sympathetic management of the lower elevation buffer zone which has been subject to a history of deforestation, agricultural landuse and encroachment. Active and sustained management of the edge effects from surrounding lands will be critical to ensure issues such as buffer zone planning, development and land use do not impact on the property. It will be important to manage the potential impacts of invasive alien species, fire and encroachment from both small scale shifting agriculture and commercial coffee growing. Vigilance will be needed to ensure that mining exploration and/or operations are not permitted to overlap with the property, and legislation and policy should be tightened to protect the World Heritage site in perpetuity from mining, in line with the established position of the World Heritage Committee and leading industry bodies. Monitoring of climate change impact on the elevation sensitive ecology of the property will be important to ensure proactive planning and management of this threat.

Adequate and increased capacity of staff and funding will be needed to manage the property in the face of the threats outlined above. Sustainable funding will be necessary in particular to strengthen management of the buffer zone and effectively address issues such as planning for sustainable development, support for livelihoods and enhanced community engagement. Stringent monitoring of activities carried out within the property and its buffer zone is also fundamental.

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	High Biodiversity	✕			
3.2.2	Maroon Trails, lookouts and archeological sites	✕			
3.2.3	Cultural/Historical Heritage	✕			
3.2.4	Cloud forests animal and plant Endemism	✕			
3.2.5	Maroon heritage and traditions	✕			
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

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

The BJCM property consistently maintains a high level of preservation, enabled by collaborative management. The property's management is focused conservation of natural and cultural heritage, governance, enforcement and recreation which ensures its preservation especially among the strong Maroon community. Engaging activities to strengthen communities, encourage compliance among buffer zone communities and raise awareness on the site's value e.g. train marking, sustainable community tourism

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Relevant

✕ Not relevant

4.1.2 - Commercial development

Relevant

✕ Not relevant

4.1.3 - Industrial areas

Relevant

✕ Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure








Relevant

✕ Not relevant

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							
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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

There are little to no buildings or development within the property. There are a few small cabins that are designed to have minimal impact on the environment in the recreational area - Holywell and at the Portland Gap cabins and Trail. There are interpretative features on the trails within the property. These features improve the experience for visitors and provide an opportunity for environmental education but have little to no impact on the environment.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Relevant	Not relevant
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4.2.2 - Underground transport infrastructure

Relevant	Not relevant
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4.2.3 - Air transport infrastructure

Relevant	Not relevant
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4.2.4 - Marine transport infrastructure

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

Relevant	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

The property is not impacted by ground transportation issues. In fact as it is a natural, very rugged area, it is mostly traversed by trails and mostly by foot.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Relevant	Not relevant
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4.3.2 - Renewable energy facilities

Relevant	Not relevant
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4.3.3 - Non-renewable energy facilities

Relevant	Not relevant
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4.3.4 - Localised utilities

Relevant	Not relevant
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4.3.5 - Major linear utilities

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

Currently, because of the rugged terrain of the site cell towers and other similar infrastructure are not located in the property.

4.4. Pollution

4.4.1 - Pollution of marine waters

Relevant	Not relevant
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4.4.2 - Ground water pollution

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

4.4.3 - Surface water pollution

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

4.4.4 - Air pollution

Relevant	✕ Not relevant
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4.4.5 - Solid waste

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

4.4.6 - Input of excess energy

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

While the BJCM does not have mining licenses within it, there are exploratory licenses which are outside the property. These could potentially impact the property. There is also the potential of agricultural run-off from farms outside the property.

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Relevant	✕ Not relevant
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4.5.2 - Aquaculture

Relevant	✕ Not relevant
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4.5.3 - Land conversion





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

4.5.4 - Livestock farming/Grazing of domesticated animals

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














4.5.5 - Crop production

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

 Negative 							
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4.5.6 - Commercial wild plant collection

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

4.5.7 - Subsistence wild plant collection

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

4.5.8 - Commercial hunting

Relevant	 Not relevant
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4.5.9 - Subsistence hunting

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

4.5.10 - Forestry/Wood production

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

Subsistence hunting is beneficial for the site as it controls the feral hog population.

4.6. Physical resource extraction

4.6.1 - Mining

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

4.6.2 - Quarrying

Relevant	 Not relevant
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4.6.3 - Oil and gas

Relevant	 Not relevant
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4.6.4 - Water (extraction)

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

Quarrying is not a factor which affects the property

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

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

4.7.2 - Relative humidity

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

4.7.3 - Temperature

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

4.7.4 - Radiation/Light

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

4.7.5 - Dust

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

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

4.7.7 - Pests

Relevant				✕ Not relevant			
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4.7.8 - Micro-organisms

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

The site's location sees significant rainfall, more so than other parts of the island. This has had negative effects in relation to landslides and flooding of local communities. The site is also affected by increasing temperatures that impact plant life

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive ✕	✕			✕		➡	
🔴 Negative							

4.8.2 - Society's valuing of heritage

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕		✕		✕		➡	

4.8.3 - Indigenous hunting, gathering and collecting

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive ✕	✕			✕		➡	
🔴 Negative							

4.8.4 - Changes in traditional ways of life and knowledge system

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕	✕				➡	

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

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕	✕	✕				📈

4.8.6 - Impacts of tourism/Visitation/Recreation

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive ✕	✕	✕					
🔴 Negative ✕		✕					

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

Traditions such as the 'Koramanti' play continue in the Maroon communities led by Councils. Festivals are held annually within each community, with greater visitor numbers being displayed on the specific days. There is a continued thrust to engage youth and pass on traditions to them. The need for consistent employment among Maroon youth is a major concern, which has led to some leaving. Sustainable tourism projects are in place such as the current Maroon Community Tourism Support Project

4.9. Other human activities

4.9.1 - Illegal activities

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

4.9.2 - Deliberate destruction of heritage

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

4.9.3 - Military training

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

4.9.4 - War

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

4.9.5 - Terrorism

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

4.9.6 - Civil unrest

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

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

There is consistent monitoring of the site to ensure that illegal fishing and logging does not take place in the site. This is carried out by Rangers of the Jamaica Conservation Development Trust National Environment and Planning Agency and the Forestry Department. Military training is carried out by the Jamaica Defense Force which has the potential to disturb wild life.

4.10. Climate change and severe weather events

4.10.1 - Storms




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

4.10.2 - Flooding

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

4.10.3 - Drought

✕ Relevant			Not relevant				
	Impact		Origin		Trend of impact		

Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 							

4.10.4 - Desertification














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

4.10.5 - Changes to oceanic waters

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

4.10.6 - Temperature change

 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
----------	--

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

Hurricanes negatively affect the space by clearing forest and causing land slides. This is exacerbated by Climate Change impacts where more intense hurricanes are a feature. These storms disturb habitat and cause fragmentation. Climate change is also expected to increase temperature and alter hydrological regimes. This can have negative impacts on the forests and biodiversity within the property.

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

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

4.11.2 - Earthquake

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

4.11.3 - Tsunami/Tidal wave
















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

4.11.4 - Avalanche/Landslide

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












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)

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

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

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

Land slippage is a common feature of the space due to the geology. Impacts tend to be benign but can negatively affect habitat and biodiversity by causing trees to fall. Fire is not a natural feature of the space but is a concern due to human activity. Climate change predictions suggest increased temperatures and altered moisture content. We therefore expect conditions that enable fire activity. That is concerning.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Relevant

Not relevant

4.12.2 - Invasive/Alien terrestrial species

Relevant

Not relevant

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

4.12.3 - Invasive/Alien freshwater species

Relevant

Not relevant

4.12.4 - Invasive/Alien marine species

Relevant

Not relevant

4.12.5 - Hyper-abundant species

Relevant

Not relevant

4.12.6 - Modified genetic material

Relevant

Not relevant

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

We have issues with Alien Invasive Species within the property. In sections, local biodiversity is outcompeted by invasives such a Wild Coffee (Pittosporum undulatum) and Caribbean Pine (Pinus caribaea).

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

Relevant

Not relevant

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

4.13.2 - Legal framework

Relevant

Not relevant

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

4.13.3 - Governance

Relevant

Not relevant

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

Positive							
Negative							

4.13.4 - Management activities

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

4.13.5 - Financial resources

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

4.13.6 - Human resources

Relevant				Not relevant			
	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							
Negative							

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 management system is led by a well thought out, collaborative, long term strategy. The resources required to effectively carry out the plan however is severely lacking. There is little secure core funding for operations. It is therefore difficult to retain highly qualified staff.

4.14. Other factor(s)

4.14.1 - Other factor(s)

N/a

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact	Origin	Trend
4.1 Buildings and Development			

4.1.5 Interpretative and visitation facilities						
4.4 Pollution						
4.4.2 Ground water pollution						
4.4.3 Surface water pollution						
4.4.5 Solid waste						
4.5 Biological resource use/modification						
4.5.3 Land conversion						
4.5.4 Livestock farming/Grazing of domesticated animals						
4.5.5 Crop production						
4.5.6 Commercial wild plant collection						
4.5.7 Subsistence wild plant collection						
4.5.9 Subsistence hunting						
4.6 Physical resource extraction						
4.6.1 Mining						
4.7 Local conditions affecting physical fabric						
4.7.1 Wind						
4.7.2 Relative humidity						
4.7.3 Temperature						
4.7.4 Radiation/Light						
4.7.6 Water (rain/water table)						
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses						
4.8.2 Society's valuing of heritage						
4.8.3 Indigenous hunting, gathering and collecting						





4.8.4 Changes in traditional ways of life and knowledge system						
	⊖	⚠	⚠			➡
4.8.5 Identity, social cohesion, changes in local population and community						
	⊖	⚠	⚠	🔄		➡
4.8.6 Impacts of tourism/Visitation/Recreation	⊕	⚠	⚠			
	⊖		⚠			
4.9 Other human activities						
4.9.1 Illegal activities						
	⊖	⚠	⚠		🔄	➡
4.9.3 Military training						
	⊖		⚠		🔄	
4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖	⚠	⚠		🔄	➡
4.10.3 Drought						
	⊖		⚠		🔄	➡
4.10.6 Temperature change						
	⊖		⚠		🔄	➡
4.11 Sudden ecological or geological events						
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						
	⊖	⚠	⚠			➡
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	⊕	⚠	⚠			
4.13.2 Legal framework	⊕	⚠				
	⊖		⚠			
4.13.3 Governance	⊕	⚠		🔄	🔄	➡
	⊖		⚠	🔄	🔄	➡
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						

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

Name	Impact			Origin		Trend
4.4.3 Surface water pollution						
	⊖		📌		🔄	➡

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

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

Name	Impact	Origin	Trend
4.4.5 Solid waste			
			
			

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

4.5 Biological resource use/modification

Name	Impact	Origin	Trend
4.5.3 Land conversion			
			
			




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
4.5.4 Livestock farming/Grazing of domesticated animals						
	⊖		📌			↗

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
4.5.5 Crop production			
			

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
4.5.6 Commercial wild plant collection			
			






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
4.5.7 Subsistence wild plant collection						
						






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
4.5.9 Subsistence hunting	  		

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



4.6 Physical resource extraction

Name	Impact	Origin	Trend
4.6.1 Mining	  		

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

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

4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.1 Wind			
			

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





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

Name	Impact	Origin	Trend
4.7.2 Relative humidity			
	⊖	📌	

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

Name	Impact	Origin	Trend
4.7.3 Temperature			
	⊖	📌	🔄

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

Name	Impact			Origin		Trend
4.7.4 Radiation/Light						
						

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

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

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

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

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





Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

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

4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.1 Ritual/Spiritual/Religious and associative uses	<div> <div></div> <div></div> <div></div> </div>		
	<div> <div></div> <div></div> <div></div> </div>		

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

Name	Impact			Origin		Trend
4.8.2 Society's valuing of heritage						
						

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

Name	Impact			Origin		Trend
4.8.3 Indigenous hunting, gathering and collecting						

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

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

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

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





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

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

Name	Impact			Origin		Trend
4.8.5 Identity, social cohesion, changes in local population and community						

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

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

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

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

4.9 Other human activities

Name	Impact	Origin	Trend
------	--------	--------	-------

4.9.1 Illegal activities						

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
	Static
	Increasing

Name	Impact			Origin		Trend
4.9.3 Military training						

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact






	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes



	Insignificant
--	---------------

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




4.10 Climate change and severe weather events

Name	Impact			Origin		Trend
4.10.1 Storms						
						

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

Name	Impact	Origin	Trend
4.10.3 Drought			
			







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
4.10.6 Temperature change			
			

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

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

4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.5 Erosion and siltation/Deposition						
						

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

Name	Impact	Origin	Trend
4.11.6 Fire (wildfire)			
	⊖	📌	

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

4.12 Invasive/alien species or hyper-abundant species

Name	Impact	Origin	Trend
4.12.2 Invasive/Alien terrestrial 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	<div>+</div> <div>📢</div> <div>📢</div>		

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

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.2 Legal framework	 		
	 		











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
4.13.3 Governance	 	 	
	 	 	

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

Temporal scale - Occurrence of the impact	
	One off or rare

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

Name	Impact			Origin		Trend
4.13.4 Management activities	+	🚩				

Spatial scale - Area affected by the factor	
	Restricted
	Localised
✕	Extensive
	Widespread
Temporal scale - 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
4.13.5 Financial resources	<div> <div>+</div> <div>🚩</div> <div></div> </div>	<div></div> <div></div>	
	<div> <div>-</div> <div>🚩</div> <div>🚩</div> </div>	<div></div> <div></div>	

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

	Insignificant
	Minor
✕	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.6 Human resources	<div> <div>+</div> <div>🚩</div> <div></div> </div>	<div></div> <div></div>	
	<div> <div>-</div> <div>🚩</div> <div>🚩</div> </div>	<div></div> <div></div>	



Spatial scale - Area affected by the factor

	Restricted
	Localised
✕	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

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

Name	Impact			Origin		Trend
4.13.7 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
	Widespread

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

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

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

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

4.17. Serial inscriptions (national or transnational)

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

Property does not have serial inscription.

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	High Biodiversity	✕			
4.18.1.2	Maroon Trails, lookouts and Archeological sites	✕			
4.18.1.3	Cultural/Historical Heritage	✕			
4.18.1.4	Cloud Forest, animal and plant endemism	✕			

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

Generally the boundaries of the world Heritage property and buffer zone are known by the associated management authorities. however, while local community leaders may be more aware, the wider communities are not so. This needs to be addressed.

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

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

The **legal framework** for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property **is inadequate**

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 are **major deficiencies in capacity/resources** to enforce legislation and/or regulation in the World Heritage property

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

The the space is managed under a number of pieces of legislation: The Natural Resources Conservation Act- National Park Regulations, The Forestry Act and the Jamaica National Heritage Trust Act. These pieces of legislation together address protection of Natural Heritage and Cultural Heritage. It enables a number of management agencies to enforce legislation that seeks to preserve the property.

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

Activities conducted to protect the property are conducted under a number of program areas. These include: Enforcement and Compliance, Education and Outreach, Administration and Governance, Conservation of Natural Heritage, Preservation of Cultural Heritage, Recreation and Tourism and Monitoring and Evaluation. These activities include regular patrol by Park Rangers and community engagement activities.

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

Charitable management (e.g. by NGO)

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)

Traditional ways of management recognised by local communities and other specific groups

Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property

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

Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups
A framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property
A management plan
An annual work plan or business plan
A disaster, climate or conflict risk management plan
A visitor/visitation management plan
An environmental management framework
An assessment of biological and cultural diversity and ecosystem services provided by the property
A joint approach to management of cultural and natural heritage

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

The management system is a collaborative one led by a local NGO - Jamaica Conservation and Development Trust. It has local communities and government stakeholders as management partners. The strategy has been worked out in a 10 year management plan and annual work plans are derived from the strategic document.

5.3.4 - Management Documents

Comment

<https://www.jcdt.org.jm/media-centre/resources>

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.

N/A

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:

N/A

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

N/A

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 **fully implemented and monitored**

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

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

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

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities				×	
5.3.15.2	Local authorities			×		
5.3.15.3	Landowners in the property and the buffer zone					

5.3.15.4	Indigenous peoples				×	
5.3.15.5	Women				×	
5.3.15.6	Other specific groups					
	If you selected, 'Other specific groups' please specify					

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

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

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

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality			×		
5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)				×	
5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status			×		
5.3.17.4	The management system of the property integrates a human rights-based approach				×	
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood				×	
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property				×	

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

The management system of the site incorporates not only the world heritage property, but also buffer zone and also a 1km community zone. The system seeks to engage all stakeholders and provide opportunities for local community development

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

The management system in place is a good one that follows best practices of high participation with local community and other stakeholders.

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.)	80 %	20 %
6.1.1.2	Bilateral international funding	%	%
6.1.1.3	World Heritage Fund (International Assistance)	%	%
6.1.1.4	Contribution from other conventions and programmes	%	%
6.1.1.5	International donations (NGOs, foundations, etc.)	10 %	10 %
6.1.1.6	Governmental (national/federal)	%	20 %
6.1.1.7	Governmental (regional/provincial/state)	%	%
6.1.1.8	Governmental (local/municipal)	%	%
6.1.1.9	In-country donations (NGOs, foundations, etc.)	10 %	10 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	%	40 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	%	%
6.1.1.12	Other	%	%
		Total 100 %	Total 100 %

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

N/A

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

The available **budget is inadequate** for basic management needs and presents a serious constraint to the capacity to manage

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

The existing sources of funding are **not secure**

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

Funding sources especially for core, operational needs are very limited. The management of the site is heavily dependent on grants and donations which are not secure.

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	60 %	60 %
6.1.6.2	Women	40 %	40 %
		Total 100 %	Total 100 %

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	Poor
Risk preparedness	Not available
Capacity development and education	Not available
Administration	Poor
Research and monitoring	Poor
Awareness raising and public information/communication	Fair
Marketing and promotion	Poor
Interpretation	Poor
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	Poor
--------------	------

Environmental sustainability	Poor
Community participation and inclusion	Poor
Risk preparedness	Poor
Capacity development and education	Poor
Administration	Not available
Research and monitoring	Fair
Awareness raising and public information/communication	Not available
Marketing and promotion	Not available
Interpretation	Poor
Visitor management/tourism	Poor
Enforcement (custodians, police)	Not available

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.

The Strategy for Capacity Building has not been used. The capacity building effort has been focused on the local communities rather than on the organization.

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?

There is **no site-based** capacity building plan or programme in place; management is implemented by external staff and skills are not transferred

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

Limited human resource capacity in addressing areas of community participation and education. There is no dedicated resource for these areas. This is the case for enforcement as well where we do not have much external support in enforcement activities and law enforcement. As an NGO, we have limited personnel in order to address all areas. We have been able to supplement some of these needs by mobilizing volunteers and engaging with students. Much effort has been made with little resources.

7. Scientific Studies and Research Projects

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

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

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

There is **considerable research** but it is **not directed towards 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

Research activities are mostly externally driven and not strategic from the management of the property. Limited research resources exist within management. However, progress has been made to understand important species like the Jamaican Hutia and endemic birds. These research efforts are important for the OUV of the site but also because of the interactions with local communities and these animals.

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	Fair
Indigenous peoples	Good
Landowners	Poor
Women	Fair
Youth/children	Fair
Researchers	Good
Local visitors	Fair
National/international tourists	Good

Tourism industry	Fair
Local businesses and industries	Poor
NGOs	Good
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 planned education and awareness programme for children and/or youth but it only partly meets the needs

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

Local communities
Indigenous peoples
Youth/children
Local Visitors
National/international tourists

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

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

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

Education and outreach activities are extensive as schools regularly visit our recreational and interpretive sites. Our rangers also engage residents in public awareness activities while on patrol. Community workshops are also held to improve environmental knowledge and capacity. All this without a dedicated resource.

9. Visitor Management

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

12,368 / 22,341 / 19,028 / 13,664 /

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

Entry tickets and registries
Accommodation establishments
Visitor surveys

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

Overnight stay

9.4 - Please provide the source of information

Data collated in internal visitor statistics spreadsheet from tickets and reservation.

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

60 / 3 /

9.6 - Please provide the source of information

Financial records of the Jamaica Conservation and Development Trust.

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 management plan includes considerations for visitor impacts monitoring.

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
Internal Site Assessment Form

9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the Outstanding Universal Value of the World Heritage property?
There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation

9.12 - How well is the information on the Outstanding Universal Value of the property presented and interpreted?
The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made

9.13 - At how many locations is the World Heritage emblem displayed at the property?
In many locations, but not easily visible to visitors

9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property?
Fees are collected, and make some contribution to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?
Yes

If 'Yes', please specify
Tours

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

If 'Yes', please specify
Community members employed as tour guides

9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage property
Revenue from tourism activities derived from use of the World Heritage Site goes exclusively towards conservation activities and community engagement and development. The recreational sites give us an opportunity to earn and share the important spaces with citizens. It fosters environmental connection and education.

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				✗
10.3.2	Effectiveness of the management system				✗
10.3.3	Character of governance				✗
10.3.4	Appropriate synergy with other conservation designations	✗			

10.3.5	Contribution to sustainable development		✕		
10.3.6	Capacity development		✕		

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

Indicators include: Number of patrols Number of environmental breaches Area of broadleaf forest Number of community engagement activities Number of Government/management stakeholders engagement activities (Co- management meetings) Number of persons engaged in cultural practices

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Fair
Local communities	Fair
Indigenous peoples	Fair
Landowners	Poor
Women	Fair
Researchers	Poor
Tourism industry	Non-existent
Local businesses and industry	Non-existent
NGOs	Non-existent
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.

Recommendations were implemented. Specifically these included: training for Maroon Cultural Assistants was been completed, management plan produced, boundary clarity improvement is underway and natural heritage is being monitored. Invasive species control and native species forest restoration is well underway and on- going. The Cultural Heritage Preservation Scheme has been developed and submitted for gazetting. Cultural heritage monitoring is ongoing as well as monitoring of biodiversity.

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

Monitoring activities are ongoing however there are challenges regarding sustainability of efforts due to resource constraints.

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	The legal framework for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property is inadequate	
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 are major deficiencies in capacity/resources to enforce legislation and/or regulation in the World Heritage property	
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	

5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does contribute to gender equality In a limited manner, the management system of the World Heritage property does contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status 	
6.1	Funding	
6.1.3	The available budget is inadequate for basic management needs and presents a serious constraint to the capacity to manage the World Heritage property	
6.1.4	Existing sources of funding are not secure	✕
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	✕
6.1.12	There is no site-based capacity building plan or programme in place; management is implemented by external staff and skills are not transferred	
7	Scientific Studies and Research Projects	
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	
8	Education, Information and Awareness Building	
8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the needs	
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	✕
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	✕
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 0 more issues.		
<input checked="" type="checkbox"/> 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

4.7	Local conditions affecting physical fabric						
4.7.3	Temperature						
4.7.6	Water (rain/water table)						
4.8	Social/Cultural uses of heritage						
4.8.2	Society's valuing of heritage						
4.8.5	Identity, social cohesion, changes in local population and community	Criterion 6 - traditions associated with Maroon heritage	Monitoring and supporting maroon cultural events and youth engagement	Quarterly Maroon Cultural Heritage assessment to gauge preservation of cultural practices.	Ongoing, quarterly	JCDT	Concerns regarding loss of cultural heritage as youth become interested in other ways of life.
4.10	Climate change and severe weather events						

4.10.6	Temperature change	Criterion 10 - Biodiversity and Cloud Forest	Implementation of Climate Change Plan. Development and expansion of remote environmental monitoring system and early fire detection.	Quarterly monitoring of plan implementation. Analysis of data from environmental monitoring system	2022-2023	JCDT	Plan just completed. Implementation is now the focus.
4.12	Invasive/alien species or hyper-abundant species						
4.12.2	Invasive/Alien terrestrial species	Criterion 10 - Biodiversity and Cloud Forest	Forest restoration and Invasive control	Monitoring the number of acres restored	Ongoing (Funding up to 2023)	JCDT	Invasive removal is very resource intensive
4.13	Management and institutional factors						
4.13.2	Legal framework	Criterion 10 - Cloud Forest and Biodiversity	Sharing challenges with legislators and government	Monitoring policy changes	ongoing	JCDT, Government of Jamaica	Maybe there is a need for greater advocacy
4.13.3	Governance	Criteria 3, 6 and 10 are impacted through the need to manage effectively all aspects of the site in relation to the Maroon communities and the management partners.	Maintaining: stakeholder engagement, monitoring	Admin and governance reporting	ongoing	JCDT, Government Agencies	strengthening collaboration of management stakeholder to improve capacity and respond effectively to threats to the site.
4.13.5	Financial resources	Criteria 3, 6 and 10 - financial sustainability to adequately manage the site	Seeking revenue to improve financial sustainability	revenue	Ongoing	JCDT	The organisation's ability to conduct any kind of preservation activity is underpinned by its financial sustainability.
4.13.6		Human resources					

Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.1	Boundaries and Buffer Zones				
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	Boundary marking activities underway to install signs along the boundary of the Buffer Zone.	2020-2023	Jamaica Conservation and Development Trust	N/a
5.2	Protective Measures				
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	An adequate legislation exists for the site's OUV. Issues of adequate and sustained financial and human resources makes implementation in some cases difficult. Working with management partners enables necessary activities for maintaining OUV	consistently	Jamaica Conservation and Development Trust in collaboration with National Environment and Planning Agency, Jamaica National Heritage Trust and Forestry Department as comanagement partners along with Maroon and local communities, tourism entities	N/A
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	Generally have not engaged this recommendation	Will aim to review in the coming months for better understanding	Ministry of Culture, Gender, Entertainment and Sport and Jamaica Conservation and Development Trust	N/A
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	Improve coordination and data sharing amongst management agencies.	Ongoing	JCDT, NEPA, Forestry Department, NLA	N/A

6.1	Funding				
6.1.4	Existing sources of funding are not secure	Revenue generation activities to produce more sustainable sources of income.	ongoing	JCDT	n/a
6.1.7	Human resources partly meet the management needs of the World Heritage property	Seeking funds for professional staff	ongoing	JCDT	Recruitment began in 2021 and we were able to bring on board an experienced and qualified full time accountant. We have also been able to recruit a projects officer.
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Strategy to be reviewed	2023	JCDT	n/a

9	Visitor Management				
9.9	Visitor use of the World Heritage property is managed but improvements could be made	Review and update Visitor Management Plan to focus on more feasible monitoring of tourism impacts.	On-going	JCDT	Visitor impact monitoring is the real deficit due to lack of resources but we are trying to mobilize volunteers in order to monitor.
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	Continued efforts to increase understanding by all partners and the Jamaican public on the OUV of the site including authenticity and integrity Increased visibility of the site through marketing at airports on the island	ongoing	Ministry of Culture, Gender, Entertainment and Sport in collaboration with the Jamaica Conservation Development Trust, Maroon communities, Jamaica National Heritage Trust, National Environment and Planning Agency and Forestry Department	N/A

10	Monitoring				
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators	Seeking funds for monitoring	ongoing	JCDT	Not enough resources for consistent, sustainable monitoring.

could be improved

Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

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

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

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

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

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

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

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

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

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

More consideration needs to be given to financial sustainability and capacity of management agencies as the enabling conditions for conservation. The legal instruments and action could be improved as well. Deficits in terms of communication and outreach, research and monitoring could be better addressed with greater resources.

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	No impact
Recognition	Positive
Education	Positive
Infrastructure development	No impact
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	No impact
Legal/Policy framework	No impact
Advocacy	No impact
Institutional coordination	Very positive
Security	No impact
Gender equality	No impact
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

World Heritage Status has been important in raising the profile of the area and gives us access to other funding opportunities for management. More work however is needed to link community and conservation benefits to World Heritage Status.

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

We involve local communities in protection and management as they work with us to mark the boundaries of the buffer zone of the property and other management activities. The participatory approach is employed as we conduct quarterly advisory committee meetings with both maroon communities and other management stakeholders. Here information and challenges in management are presented and a collaborative approach in problem solving and action is used.

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

Management
Governance

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

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	Good
Site Managers	Good
UNESCO World Heritage Centre	Good
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Fair

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
Fundraising

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

The data will help us to understand our effectiveness in managing the site and we will be revising our strategies based on the results.

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
Local communities
Indigenous people
Non-Governmental Organizations

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

72 / 8 / 9 /

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

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

15.4. Format and content of the Periodic Report

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

Most required information was accessible.

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

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

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

The exercise was clear and straightforward. Some sections not applicable but we did not see an option to indicate that for some questions.

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	Fair
UNESCO (other sectors/field offices)	No support
UNESCO National Commission	No support
ICOMOS International	No support
IUCN International	No support
ICCROM international/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	No support

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

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

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

Yes

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

The online training was adequate.

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

Assessment was useful in helping us to understand where we are in terms of management and executing our management plan to preserve OUV. It also helped us to understand effectiveness.

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