

Discovery Coast Atlantic Forest Reserves

1. World Heritage Property Data

1.1 - Name of World Heritage property

Discovery Coast Atlantic Forest Reserves

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Una Biological Reserve	-15.19 / -39.106	11400	?	11400	1999
PAU Brazil CEPLAC Experimental Station	0 / 0	1145	?	1145	1999
Veracruz Station	-16.167 / -39.117	6069	?	6069	1999
Pau Brazil National Park	-16.503 / -39.262	11538	?	11538	1999
Discovery National Park	-17.085 / -39.298	21129	?	21129	1999
Monte Pascoal National Park	-16.881 / -39.283	13872.5	?	13872.5	1999
Linhares Forest Reserve	-19.133 / -39.993	22777	?	22777	1999
Sooretama Biological Reserve	-19.008 / -40.144	24000	?	24000	1999
Total (ha)		111930.5	0	111930.5	

1.4 - Map(s)

Title	Date	Link to source
Map of the inscribed property; Scale:1:2 000 000	1999	

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

1. [Natural site datasheet from WCMC](#)

Comment

<http://whc.unesco.org/en/list/892>

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

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

Not applicable

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

Not applicable

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

Yes

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?

No

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)

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

No

2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the

Intangible Cultural Heritage of which you are aware

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

No

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

3. Statement of Outstanding Universal Value

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

Statement of Outstanding Universal Value

Brief description

The Discovery Coast Atlantic Forest Reserves, located between the southern coast of the state of Bahia and northern coast of the state of Espírito Santo, consist of eight separate protected areas containing representative remnants of the Atlantic Forest (dense rainforest) and a type of coastal shrubland vegetation ("restingas") associated with the Atlantic Forest. Three national parks (Descobrimento, Monte Pascoal and Pau Brasil), two federal biological reserves (Sooretama and Una) and three special reserves (Veracruz, Pau Brasil/Ceplac and Linhares) extend over a total area of almost 112,000 hectares. This property contains great biological wealth and illustrates the evolution of the few remaining areas of Atlantic Forest in north-eastern Brazil. With a high rate of endemism and an evolutionary stage of great interest to science and conservation, its biodiversity reflects longstanding ties with the major forest ecosystems of the continent, now interrupted.

Criterion (ix): It is acknowledged that the ongoing processes in the evolution of this exceptionally diverse region are the result of the mix of regional endemic species of the Atlantic Forest with elements of the Amazon ecosystem, particularly observed among the species of plants and birds. In the past, corridors existed between these two major ecosystems. They were subsequently interrupted, which probably contributed to the great wealth of flora found there with many endemic and rare species, sometimes limited to fragments. The eight protected areas that make up the site preserve barely modified ancient environments and original natural ecological processes -- a forest archipelago that reveals an evolutionary structure of great interest to science and conservation.

Criterion (x): The Discovery Coast Atlantic Forest Reserves represent one of the richest tropical forest regions in the world in terms of biodiversity. It contains around 20% of the world's flora, including 627 species of endangered plants. In some areas more than 450 species of trees over an area equivalent to a football field have been identified. The fauna of the region is represented by 261 species of mammals including 21 marsupials (of which 15% are endemic and 15% threatened), 620 birds (19% at risk), 280 amphibians and 200 reptiles. In total 185 species (of which 100 endemic) are threatened with extinction, including 73 species of mammals of which 21 are primates. Among the 118 species of endangered birds, 49 are endemic. All 16 species of amphibians that are threatened are endemic. Of the 13 species of reptiles that are threatened, 10 are endemic.

Integrity

The Discovery Coast Atlantic Forest Reserves is comprised of eight protected areas that represent the last remnants of the Atlantic Forest preserved in the region. These fragments of reduced size require intensive management. The six protected areas that make up the site are contiguous with two others located within reasonable proximity and connected by habitat corridors and semi-natural buffer zones. The property is surrounded by a buffer zone consisting essentially of private properties dedicated mainly to pastoral activities and forest plantations. The buffer zone is the Mata Atlântica Biosphere Reserve of nearly a million hectares which provides a comprehensive management framework to central areas of the site. The entire protected area is entirely managed for conservation and research, and provides full protection to the forest.

Protection and management requirements

The organization responsible for the management of most of the natural areas that make up the property is the Chico Mendes Institute for Biodiversity Conservation (ICMBio), an autonomous federal agency under the Ministry of the Environment (three national parks – Descobrimento, Monte Pascoal and Pau Brasil, two federal biological reserves – Sooretama and Una, and three special reserves (Veracruz, Pau Brasil/Ceplac and Linhares). Several management authorities are involved in the use of various management and protection instruments within the conservation units that make up the property, including the development and implementation of management plans, training and renewal of the advisory boards; the creation of ecological corridors and the establishment of a mosaic for the integrated management of protected areas. The main challenges for the protection seem to be an obligation to monitor deforestation and burning practices in the buffer zone, to improve cooperation with the Pataxó Indians of the region, to develop a campaign for environmental education, to consider the creation of new protected areas in the region, and to obtain more resources for the implementation of recommendations and management plans. In this context, the federal government and the States, together with private initiatives, seek to implement the protection of these areas by strengthening the basic infrastructure, and increasing human resources and surveillance activities.

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	Atlantic Forest and its diverse phytophysiology of the southern coast of the state of Bahia and northern coast of the state of Espírito Santo	×			
3.2.2	Endangered and endemic fauna species, and Endemic Atlantic Forest flora species		×		
3.2.3	Local hydrography basin, water resources, water springs		×		
3.2.4	Ecosystem Services, landscape and biodiversity sources	×			
3.2.5	Historical and Cultural Heritages, especially for indigenous people and traditional population	×			
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

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Potential, Outside

Relevant	✕ Not relevant
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4.1.2 - Commercial development

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	✕ Not relevant
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4.1.3 - Industrial areas

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (07/09/2012):

- Relevant, Positive, Current, Outside

Relevant	✕ Not relevant
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4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (07/09/2012):

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

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

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

Pau-brasil and Descobrimento National Parks are implementing their visitations attractions and structures

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Potential, Inside, Outside

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

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (07/09/2012):

- Relevant, Positive, Current, Outside

Relevant	✕ Not relevant
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4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	✕ Not relevant
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4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Inside

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

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

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Potential, Inside

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

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (07/09/2012):

- Relevant, Positive, Potential, Inside

Relevant	✕ Not relevant
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4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	✕ Not relevant
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4.3.4 - Localised utilities

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.3.5 - Major linear utilities

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

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

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.4.2 - Ground water pollution

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Potential, Outside

Relevant

✕ Not relevant











4.4.3 - Surface water pollution

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Potential, Outside

✕ Relevant

Not relevant

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

4.4.4 - Air pollution

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.4.5 - Solid waste

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.4.6 - Input of excess energy

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

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

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.5.2 - Aquaculture

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	✗ Not relevant
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4.5.3 - Land conversion

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Potential, Outside

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

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Potential, Outside

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

4.5.5 - Crop production

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Potential, Outside

Relevant	✗ Not relevant
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4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.5.8 - Commercial hunting

Previous answer Cycle 2 (07/09/2012):

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

Relevant	✗ Not relevant
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4.5.9 - Subsistence hunting

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Inside, Outside

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

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (07/09/2012):

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

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

4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	✕ Not relevant
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4.6.2 - Quarrying

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.6.3 - Oil and gas

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	✕ Not relevant
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4.6.4 - Water (extraction)

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Inside, Outside

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

 Negative							
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4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (07/09/2012):

- Not relevant

 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

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Potential, Outside

 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

Previous answer Cycle 2 (07/09/2012):

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

 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

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Current, Potential, Outside

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

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	 Not relevant
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4.9.3 - Military training

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	 Not relevant
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4.9.4 - War

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.9.5 - Terrorism

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

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

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.10.2 - Flooding

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (07/09/2012):

- Not relevant

✕ Relevant

Not relevant

	Impact		Origin		Trend of impact		
Impact	🔥 Current	⚡ Potential	📍 Inside	🌐 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✕		✕				→	

4.10.4 - Desertification

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant

✕ Not relevant

4.10.6 - Temperature change

Previous answer Cycle 2 (07/09/2012):

- Not relevant

✕ Relevant

Not relevant

	Impact		Origin		Trend of impact		
Impact	🔥 Current	⚡ Potential	📍 Inside	🌐 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							

Negative							
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4.10.7 - Other climate change impacts

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.11.2 - Earthquake

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (07/09/2012):

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

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

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

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (07/09/2012):

- Relevant, Negative, Potential, Outside

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

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

4.12.6 - Modified genetic material

Previous answer Cycle 2 (07/09/2012):

- Not relevant

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

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

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

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

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

4.13.2 - Legal framework

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

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

4.13.3 - Governance

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

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







4.13.4 - Management activities

Previous answer Cycle 2 (07/09/2012):


- Relevant, Positive, Potential, Inside

✕ 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

Previous answer Cycle 2 (07/09/2012):

- Relevant, Positive, Potential, Inside

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

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (07/09/2012):

- Not relevant

Relevant	 Not relevant
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












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

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact			Origin		Trend
4.1 Buildings and Development						
4.1.3 Industrial areas						
						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
						
4.2.5 Effects arising from use of transportation infrastructure						
						

4.3 Services Infrastructures						
4.3.1 Water infrastructure						
	⊖	⚠			🔄	➡
4.4 Pollution						
4.4.3 Surface water pollution						
	⊖	⚠			🔄	➡
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						
	⊖	⚠		🕒	🔄	➡
4.5.7 Subsistence wild plant collection	⊕	⚠	⚠	🕒	🔄	➡
	⊖	⚠	⚠	🕒	🔄	➡
4.5.9 Subsistence hunting						
	⊖	⚠		🕒	🔄	➡
4.5.10 Forestry/Wood production	⊕		⚠		🔄	➡
	⊖		⚠		🔄	➡
4.6 Physical resource extraction						
4.6.2 Quarrying						
	⊖	⚠			🔄	➡
4.8 Social/Cultural uses 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						
	⊖	⚠		🕒	🔄	➡
4.10 Climate change and severe weather events						
4.10.3 Drought			⚠			
	⊖		⚠			➡
4.10.6 Temperature change						
	⊖		⚠	🕒	🔄	➡
4.11 Sudden ecological or geological events						
4.11.6 Fire (wildfire)						
	⊖	⚠	⚠	🕒	🔄	➡
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						
Legend	Current	Potential	Negative	Positive	Inside	Outside

4.16. Assessment of current and potential positive and negative factors



4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name	Impact	Origin	Trend
4.1.3 Industrial areas			

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

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

Name	Impact			Origin		Trend
4.1.5 Interpretative and visitation facilities						

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




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

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

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




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

4.2 Transportation Infrastructure

Name	Impact			Origin		Trend
4.2.1 Ground transport infrastructure						
						

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




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

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

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

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

4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water infrastructure			
	 		 

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




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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

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

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


4.4 Pollution

Name	Impact	Origin	Trend
4.4.3 Surface water pollution			
	 		 

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




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

4.5 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
4.5.7 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

High capacity

✕ Medium capacity

Low capacity



No capacity and / or resources

Trend - Développement over the last 6 years






Decreasing

Static

Increasing

Name	Impact			Origin		Trend
4.5.9 Subsistence hunting						
						

4.5.9 Subsistence hunting

Impact			Origin		Trend
					

Spatial scale - Area affected by the factor

Restricted

✕ Localised

ExtensiveWidespread

Temporal scale - Occurrence of the impact

One off or rareIntermittent or sporadic

× Frequent

On-going

Impact - Impact on the attributes

InsignificantMinorSignificantMajor

Management response - Capacity of management to respond

High capacityMedium capacity

Low capacity

No capacity and / or resources

Trend - Développement over the last 6 years









Decreasing

Static

Increasing

Name	Impact			Origin		Trend
4.5.10 Forestry/Wood production						




4.5.10 Forestry/Wood production

Impact			Origin		Trend
					
					

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
4.6.2 Quarrying						
						




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
4.8.3 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

4.10 Climate change and severe weather events

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
4.11.6 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						

4.13 Management and institutional factors


Name		Impact			Origin		Trend
4.13.1 Management system/Management plan							
Spatial scale - Area affected by the factor							
	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - 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						

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

✕	Decreasing
	Static
	Increasing

Name	Impact	Origin	Trend
4.13.6 Human resources	 		




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

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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

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

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

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	 		

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

Temporal scale - Occurrence of the impact	
	One off or rare

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

4.17. Serial inscriptions (national or transnational)

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

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

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

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	Atlantic Forest and its diverse phytophysiognomy of the southern coast of the state of Bahia and northern coast of the state of Espírito Santo	✕			
4.18.1.2	Endangered and endemic fauna species, and Endemic Atlantic Forest flora species		✕		
4.18.1.3	Local hydrography basin, water resources, water springs		✕		
4.18.1.4	Ecosystem Services, landscape and biodiversity sources	✕			
4.18.1.5	Historical and Cultural Heritages, especially for indigenous people and traditional population	✕			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

The buffer zones of the World Heritage property are **known and recognised** by 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

5.2. Protective Measures

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

- Una Biological Reserve. Pristine Atlantic Forest, protected by Biological Reserve status (IUCN I) - Federal decree 85.463 of 12/1983.
- The Veracruz Station. Pristine Atlantic Forest, protected by decreed Private Natural Heritage Reserve (RPPN) (IUCN category I), guaranteed by their actual owners.
- The CEPLAC Pau Brasil Experimental Station is an exclusive research area (IUCN I), protected by Decree 750-10/02/93 and CONAMA resolution 240-16/04/1998, guaranteed by CEPLAC.
- Pau Brasil National Park, in process of creation (IUCN category II).
- The Monte Pascoal National Park, created by Federal Decree 242-29/11/1961 (IUCN category II).
- Discovery National Park, in process of creation (IUCN category II).
- SOORETAM Biological Reserve, created by Law-decree 14.977-21/09/1943 (IUCN Category I).
- LINHARES Forest Reserve is a private reserve (IUCN I), created by corporate decision 23/09/73. Protection insured by owners.

Source: Nomination File

Comment

-Pau Brasil National Park federal decree of april, 20, 1999 (DECRETO DE 20 DE ABRIL DE 1999) - Discovery National Park, federal decree of april, 20, 1999 (DECRETO DE 20 DE ABRIL DE 1999)

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

1999 / federal decree of april, 20, 1999 (DECRETO DE 20 DE ABRIL DE 1999) / yes to Pau Brasil National Park / yes / yes / 1999 /

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

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

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

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

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

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

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

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

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

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

5.3. Management System/Management Plan

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

Public management system at national level

If 'Other', please specify

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






A statutory Management Plan or zoning plan for the property.

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

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

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

5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Plano de Manejo: Reserva Biológica de Una	In Force	Available	1999	
Plano de Manejo Reserva Biológica de Sooretama	In Force	Available	1999	
Plano Basico Implantacao do Parque Nacional do Pau Brasil	In Force	Available	1999	
Plano Director de Uso da Reserva Forestal Linhares	In Force	Available	1999	
Plano Basico de Implantacao do Parque Nacional do Descobrimento	In Force	Available	1999	

Comment

- Management Plan - Pau-brasil National Park - Portaria ICMBio nº 43 de 09 de maio de 2016

Link:<https://www.gov.br/icmbio/pt-br/assuntos/biodiversidade/unidade-de-conservacao/unidades-de-biomas/mata-atlantica/lista-de-ucs/parna-do-pau-brasil> -

Management Plan - Descobrimento National Park - Portaria nº 146, de 26 de dezembro de 2014

Link:<https://www.gov.br/icmbio/pt-br/assuntos/biodiversidade/unidade-de-conservacao/unidades-de-biomas/mata-atlantica/lista-de-ucs/parna-do-descobrimen>

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?

The 2011 Recommendation on the Historic Urban Landscape is **not relevant** to this property

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

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

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:

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

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

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

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

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

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

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

5.3.13 - Is the management system being implemented?

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

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

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

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

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities			×		
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

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

6. Financial and Human Resources

6.1. Funding

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

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	10 %	10 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	90 %	90 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	0 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	0 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	0 %	0 %
		Total 100 %	Total 100 %

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

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

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

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

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

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

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	85 %	45 %
6.1.6.2	Women	15 %	55 %
		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	Poor
Community participation and inclusion	Fair
Risk preparedness	Poor
Capacity development and education	Poor
Administration	Poor
Research and monitoring	Fair
Awareness raising and public information/communication	Poor
Marketing and promotion	Not available
Interpretation	Poor
Visitor management/tourism	Not available
Enforcement (custodians, police)	Poor

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

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

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

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

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

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

A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff

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

7. Scientific Studies and Research Projects

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

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

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

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

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

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

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

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

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

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

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

Local communities
Indigenous peoples
Local Visitors

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	Poor
Site museum	Poor

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

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

9. Visitor Management

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

575 / 2257 / 1761 / 6533 / 3000 /

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

Other

management data control based on the AP entrance visitor's numbers

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

One day (no overnight stay)

9.4 - Please provide the source of information

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

0 / 0 / 0 / 0 / 0 / 0 /

9.6 - Please provide the source of information

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

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

There is **some management** of the visitor use of the World Heritage property

9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

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

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

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

The 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?

No fees are collected

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

By the Indigenous people ans with local rural families

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

Yes

If 'Yes', please specify

There are indigenous guides, and an effort for food offer by the local communities

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

9.14 The only place that has entrance fee is Pau-brasil National Park

10. Monitoring

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

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

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

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

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

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

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

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Not applicable
Local communities	Poor
Indigenous peoples	Fair
Landowners	Poor
Women	Poor
Researchers	Poor
Tourism industry	Poor
Local businesses and industry	Non-existent
NGOs	Poor
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?

No relevant Committee recommendations to implement

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

10.5 Properties' managers are still planning to improve the level of involvement in monitoring

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

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.1	Boundaries and Buffer Zones
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5.1.4	The buffer zones of the World Heritage property are known and recognised by the management authority but are not known and recognized by local communities/landowners	
5.2	Protective Measures	
5.2.3	An adequate legal framework for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation	✗
5.2.4	An adequate legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation	✗
5.2.5	An adequate legal framework exists for the broader setting of the World Heritage property and the buffer zone, but there are some deficiencies in implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	✗
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	
5.3	Management System/Management Plan	
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	✗
5.3.12	The management system/plan is only partially adequate to maintain the property's Outstanding Universal Value	✗
5.3.13	The management system at the property is only being partially implemented	
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does contribute to fostering inclusive local economic development, and to enhancing livelihood 	
6.1	Funding	
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	
6.1.7	Human resources partly meet the management needs of the World Heritage property	✗
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff	
7	Scientific Studies and Research Projects	
7.2	There is a small amount of research in the World Heritage property but it is not planned	✗
7.3	Research results are shared with local communities and partners but there is no active outreach to national or international agencies	
8	Education, Information and Awareness Building	
8.2	There is a limited and ad hoc education and awareness programme for children and/or youth	✗
9	Visitor Management	
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	
9.9	There is some management of the visitor use of the World Heritage property	✗
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	
10.2	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

4.2	Transportation Infrastructure
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4.2.1	Ground transport infrastructure	Criterion (ix), (x)	environmental licensing and mitigating measures	will be put in place by the environmental licensing state institution and by the entrepreneur	on going highways	public environmental licensing institutions and entrepreneur	none
4.2.5	Effects arising from use of transportation infrastructure	Criterion (ix), (x)	environmental licensing and mitigating measures	will be put in place by the environmental licensing state institution and by the entrepreneur and we often use an app named Urubu	on going	public environmental licensing institutions, entrepreneur and Sites managers institutions	none
4.3	Services Infrastructures						
4.3.1	Water infrastructure	Criterion (ix), (x)	Analyse and Check environmental licencies of dams	low monitoring means	on going	There are several environmental public agencies responsible for give licencies and authorization for water infrastructures	none
4.4	Pollution						
4.4.3		Surface water pollution					
4.5	Biological resource use/modification						
4.5.4		Livestock farming/Grazing of domesticated animals					
4.5.10	Forestry/Wood production	Criterion (ix), (x)	environmental licensing and mitigating measures	will be put in place by the environmental licensing state institution and by the entrepreneur	on going	public environmental licensing institutions, entrepreneur and Sites managers institutions	mainly eucalyptus tree plantations for the pulp industry
4.8	Social/Cultural uses of heritage						
4.8.4	Changes in traditional ways of life and knowledge system	Criterion (ix), (x)	Environmental education, Management plans with and covering indigenous people, its culture and its lands	action plans check	on going	Site manager agency (ICMBio)	Environmental education decreasing use of fire during craps' operation and hunting culture, Management plans with and covering indigenous people, its culture and its lands increasing the possibilities for an better cultural conservation
4.8.5		Identity, social cohesion, changes in local population and community					
4.10	Climate change and severe weather events						
4.10.3		Drought					
4.13	Management and institutional factors						
4.13.1	Management system/Management plan	Criterion (ix), (x)	Daily management entire structure, resources, procedures and systems	By an internal protected area assessment system named "SAMGe"	Annually monitored	Site manager agency (ICMBio)	SAMGe

Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.2	Protective Measures						
		Actions	Timeframe	Lead agency (and others involved)	More info / comment		

5.2.3	An adequate legal framework for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation	Updating the legal framework and expanding enforcement actions.	Three years.		
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	Updating the legal framework and expanding enforcement actions.	Four years.		
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	Updating the legal framework and expanding enforcement actions.	Five years.		

5.3		Management System/Management Plan			
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	Seek greater articulation with the other agencies involved.	Two years.		
5.3.12	The management system/plan is only partially adequate to maintain the property's Outstanding Universal Value	Update the Management Plans in a participative way.	Four years		

6.1	Funding				
6.1.7	Human resources partly meet the management needs of the World Heritage property	Seek staff reinforcement through internal recruitments, temporary agents, etc.	Continuous Action	Site manager agency, Ministry of the Environment	there are also efforts to hire temporary public service work force
7	Scientific Studies and Research Projects				
7.2	There is a small amount of research in the World Heritage property but it is not planned	Improving Inter institutions cooperation agreements to focus efforts in developing useful researches for the Sites managers key efforts and attributes	Continuous Action	Site manager agency	Most researches are done by graduate and post graduate students mostly based on their individual projects
8	Education, Information and Awareness Building				
8.2	There is a limited and ad hoc education and awareness programme for children and/or youth	Build and expand environmental education actions.	Four year		
9	Visitor Management				
9.9	There is some management of the visitor use of the World Heritage property	Improve managerial actions and systems to attract and monitor visitors	Continuous Action	Site manager agency	improve visitors receptive services, routs and dissemination of Sites' information
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	There are, at the Site infrastructure, run for improvement such as internal roads maintenance, building and maintain visitor centers and its trails	Continuous Action	Site manager agency with some other public managerial ministres and entities	better roads, trails maintenance, infrastructures but also marketing and communication

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 **has been compromised** by factors described in this report

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

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

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

Other important cultural and/or natural values are being **partially degraded** but the state of conservation of the World Heritage property has **not been significantly impacted**

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

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	No impact

Quality of life for local communities and indigenous peoples	No impact
Recognition	Positive
Education	No impact
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	No impact
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	Positive
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

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

The management system of the federal institution that manages the federal public APs have a good training system, solid procedures and systems that allow the long term maintenance to guarantee that the better level of protection that Brasil federal institution can implement takes place at the Sites.

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

State of Conservation
Management
Governance
Capacity Building

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

The World Heritage Convention
Management effectiveness to maintain the Outstanding Universal Value
Monitoring and reporting

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

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

15.2. Use of Data

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

Awareness raising

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

15.3. Timing and resources

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

Focal points of other international conventions/programmes

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

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?

No

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

10 / 10 / 20 /

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

	Additional resources	No	Yes
15.3.5.1	Human resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.3.5.2	Financial resources for organizing consultation meetings/ training	<input checked="" type="checkbox"/>	<input type="checkbox"/>

15.4. Format and content of the Periodic Report

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

Most required information was accessible.

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

		Very Difficult	Difficult	Easy	Very easy
15.4.2.1	Ease of use of questionnaire	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.4.2.2	Clarity of questions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

15.5. Training and Guidance

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

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

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

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	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

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

Not applicable (i.e. I did not use these resources)

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

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

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

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

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