## Puerto-Princesa Subterranean River National Park

1. World Heritage Property Data

#### 1.1 - Name of World Heritage property

Puerto-Princesa Subterranean River National Park

#### 1.2 - World Heritage property details

#### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Puerto-Princesa Subterranean River National Park	10.167 / 118.917	22202	0	22202	1999
Total (ha)		22202	0	22202	

#### 1.4 - Map(s)

- 1.5 Web and Social Media data of the property (if applicable)
  - 1. Natural site datasheet from WCMC

#### Comment

https://web.facebook.com/ppundergroundriver https://www.instagram.com/ppundergroundriver/ https://twitter.com/PPURiver

- 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?

Not applicable

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

Yes

#### 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 <b>no contact</b> 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 <b>regularly</b> 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 <b>no contact</b> 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 <b>regularly</b> 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 <b>no contact</b> 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 <b>regularly</b> 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 <b>no contact</b> 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 <b>regularly</b> 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 <b>no contact</b> 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 <b>regularly</b> 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)

The PPSRNP intends to apply as a UNESCO Global Geopark

# 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?

Not aware

- 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?

Not aware

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

Puerto-Princesa Subterranean River National Park encompasses one of the world's most impressive cave systems, featuring spectacular limestone karst landscapes, pristine natural beauty, and intact old-growth forests and distinctive wildlife. It is located in the south-western part of the Philippine Archipelago on the mid western coast of Palawan, approximately 76 km northwest of Puerto Princesa and 360 km southwest of Manila.

The property, comprising an area of approximately 22,202 ha, contains an 8.2km long underground river. The highlight of this subterranean river system is that it flows directly into the sea, with its brackish lower half subjected to tidal influence, distinguishing it as a significant natural global phenomenon. The river's cavern presents remarkable, eye catching rock formations. The property contains a full mountain-to-sea ecosystem which provides significant habitat for biodiversity conservation and protects the most intact and noteworthy forests within the Palawan biogeographic province. Holding the distinction of being the first national park devolved and successfully managed by a local government unit, the park's effective management system is a symbol of commitment by the Filipino people to the protection and conservation of their natural heritage.

Criterion (vii): The Puerto-Princesa Subterranean River National Park features a spectacular limestone or karst landscape. It contains an underground river that flows directly to the sea. The lower half of the river is brackish and subject to ocean tide. The associated tidal influence on the river makes this a significant natural phenomenon. The river's cavern exhibits dramatic speleothems and several large chambers of as much as 120m wide and 60m high. Its accessibility and navigability up to 4.5km inland allows it to be experienced by the general public, who can view the magnificent rock formations on a river cruise unequalled by any other similar experience elsewhere in the world.

Criterion (x): The property contains globally significant habitat for biodiversity conservation. It includes a full mountain-to-sea ecosystem, protecting the most significant forest area within the Palawan Biogeographic Province. There are eight intact forest formations: forest on ultramafic soil, forest on limestone soil, montane forest, freshwater swamp forest, lowland evergreen tropical rainforest, riverine forest, beach forest, and mangrove forest, included in the property. It contains outstanding biodiversity with the Palawan Moist Forest recognized by the WWF's Global Report as containing the richest tree flora, with high levels of regional and local endemism and as being the largest and most valuable limestone forest in Asia.

#### Integrity

The property, including the karst mountain landscapes and the underground river, is in excellent condition. Integrity of the property is also expressed in the complete "mountain-to-the-sea" ecosystem that protects one of the most significant forests in Asia. The uniqueness of the mangrove forests in the Bay along with the flora and fauna they harbour, and the bioecological connection with the caves and surrounding forest is protected within the core area of the property ensuring the local key inter-related and inter-dependant elements of their natural relationships are protected.

The Puerto-Princesa Subterranean River National Park, comprising 22,202 ha and covering three barangays, encompasses the natural values of the property and is of adequate size to protect all the various landforms and the estuarine ecosystem that conveys the Outstanding Universal Value of the property. The boundaries of the property cover the entire watershed of the underground river, thus protecting water quality and quantity and ensuring the long-term viability of the outstanding natural values contained within the property. The biodiversity values of the property are highlighted in Barangay Marufinas which is included in the property along with the adjacent barangays which also contain significant biodiversity values and habitats important to their integrity. Management guidelines are needed to address threats to the property including pollutants impacting on water quality in the underground river. Threats to the property are mainly from adverse activities in adjacent catchment areas, primarily forest clearing and agricultural activities. Tourism activities require careful planning and management to ensure the natural values are not impacted.

#### Protection and management requirements

Effective site protection is provided at a local rather than a national level through agreements that place legal ownership with the City Government of Puerto Princesa. This arrangement for local ownership ensures the property's national values are maintained even after changes in local management perspectives. The property is also covered by the National Integrated Protected Area System (NIPAS) Act of 1992 which ensures legal protection and conservation of protected areas in the Philippines. It decrees that all management decisions for the property are made in consultation with the Protected Areas Management Board (PAMB). Multilateral agreement provisions between national government agencies and local stakeholders have been considered throughout the planning and management of the site to ensure protection and conservation of its natural values.

Management of the park is conducted within the boundary as two zones: a core comprising the Park and a surrounding buffer. The Management Plan for the park sets out relevant objectives and programs and provides zoning within the park's boundaries wherein different management regimes apply. Management of the property is very effective, reflecting strong local political support and enabling the provision of reasonable funding and staffing. Its key directive is to conserve the underground river and the forest ecosystem in their most natural state possible.

Management of the buffer is covered by guidelines that seek to regulate activities that may impact on the property. They also provide for the establishment of sustainable protective measures for agricultural lands within the buffer. Thus, not only conserving the natural resources of the area, but also improving the quality of life of its residents. However, more resources are required for the full implementation of the management plan and guidelines.

Tourism, identified as a potential threat, adversely impacting the natural values of the property, is being addressed through tourism management objectives set out in the Management Plan. But as tourist visits are increasing, more staff training in park planning and management is required to ensure effective management of tourism activities. The property's tourism program aims to enhance visitor's experience with nature while protecting the natural values. The threats posed by uncontrolled access from outside developments are being addressed through the implementation of a limit of 600 visitors per day. Wildlife population surveys are conducted annually to monitor the effects of tourism on wildlife.

Threats from activities such as forest clearing and agriculture also need to be addressed in the Management Plan. Water quality in the underground river, invariably affected by upstream activities in the catchment area, as well as concerns about pollution inputs to the river, need to be addressed in the management guidelines. Regular awareness campaigns at the level of the *barangays* are needed to ensure natural values of the property are conserved within their jurisdictions and the establishment of an integrated land use plan is required to ensure long term conservation of the natural values of the property.

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

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	spectacular limestone or karst landscape	×			
3.2.2	an underground river that flows directly to the sea	×			
3.2.3	globally significant habitat for biodiversity conservation	×			
3.2.4	full mountain-to-sea ecosystem, protecting the most significant forest area within the Palawan Biogeographic Province	×			
3.2.5	richest tree flora, with high levels of regional and local endemism and as being the largest and most valuable limestone forest in Asia	×			
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 (26/07/2011):

• Relevant, Negative, Potential, Outside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>→</b> Decreasing	→ Stable	Increasing
O Positive							
Negative X		×		×	<b>S</b>		

#### 4.1.2 - Commercial development

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

Relevant	X Not relevant

#### 4.1.3 - Industrial areas

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant	X Not relevant

## 4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (26/07/2011):

• Relevant, Positive, Negative, Potential, Outside

X Relevant				Not relevant				
	Impact		Origin		Trend of impact			
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>→</b> Decreasing	→ Stable	Increasing	
Positive								
○ Negative ※	×			×	<b>&gt;</b>			

## 4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (26/07/2011):

• Relevant, Positive, Current, Inside, Outside

★ Relevant				Not relevant			
	Impact Or		Origin		Trend of impact		
Impact	Current	Potential	Inside	<b>Outside</b>	<b>→</b> Decreasing	⇒ Stable	Increasing
O Positive 🗶	×		×	×			7
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

Regarding the infrastructure, we find it as a potential threat in cases of non-compliance of the existing PAMB clearances prior or over the other clearances such as the other pertinent local and national laws and the existing PPSRNP Infrastructure Guidelines. In 4.1.2, we noted this as irrelevant because the abovementioned laws strictly prohibits such. In 4.1.4 we noted it as still relevant but it is controlled as of the moment.

#### 4.2. Transportation Infrastructure

#### 4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant			1	Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	<ul><li>Inside</li></ul>	© Outside	<b>№</b> Decreasing	⇒ Stable	Increasing
Positive							
Negative X	×		×	×			P

#### 4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant	X Not relevant

#### 4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

Relevant	X Not relevant

#### 4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	<b>→</b> Decreasing	→ Stable	Increasing
Positive X	×	×	×			<b>→</b>	
Negative							

### 4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant	X Not relevant

## 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

Airstrips and Airports are not relevant within the park as there is no existing infrastructure of such and no further plans of having such in the future based on the PPSRNP Infrastructure and Activity Guidelines. Harbor and Port facilities has been detrimental to the operations of the Park as is hosts the tours and the communities inaccessible through land. An integrated wharf complex is also underway under strict scrutiny as of the moment if the project shall push through or not.

### 4.3. Services Infrastructures

#### 4.3.1 - Water infrastructure

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Inside, Outside

X Relevant		Not relevant					
	Impact Origin		Origin		Trend of impact		
Impact	Current	Potential	<ul><li>Inside</li></ul>	<b>©</b> Outside	<b>▶</b> Decreasing	⇒ Stable	Increasing
O Positive 🗶	×	×		×		<b>→</b>	
Negative							

#### 4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (26/07/2011):

• Relevant, Positive, Current, Inside, Outside

× Relevant	I	Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	<b>Outside</b>	<b>▶</b> Decreasing	<b>⇒</b> Stable	Increasing
O Positive X	×		×				,
Negative							

#### 4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

#### 4.3.4 - Localised utilities

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	<b>→</b> Decreasing	→ Stable	Increasing
Positive X	×			×			/
Negative X		×			<b>S</b>		

#### 4.3.5 - Major linear utilities

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X 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

in 4.3.1, Dams and pumping stations has caused positive impacts as this lessens the dependence of the community towards natural resources utilization. It also makes the community climate change resilient as this provides clean and safe water of the community. In 4.3.4, we acknowledge both positive and negative effects of this infrastructure as many companies shows interest in such which is positive to provide accessibility of the communities, thus if uncontrolled this may have - impact.

## 4.4. Pollution

### 4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Potential, Inside, Outside

× Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	<b>Gurrent</b>	Potential	<ul><li>Inside</li></ul>	<b>G</b> Outside	<b>▶</b> Decreasing	→ Stable	Increasing
O Positive							
Negative X	×			×	<b>S</b>		

#### 4.4.2 - Ground water pollution

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Inside, Outside

× Relevant	1	Not relevant					
	Impact Origin		Origin		Trend of impact		
Impact	Current	Potential	<ul><li>Inside</li></ul>	<b>Outside</b>	<b>▶</b> Decreasing	<b>⇒</b> Stable	Increasing
Positive							
		×	×	×	<b>S</b>		

#### 4.4.3 - Surface water pollution

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Inside, Outside

× Relevant	1	Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	• Inside	© Outside	<b>→</b> Decreasing	→ Stable	Increasing
O Positive							
Negative X	×	×	×	×	<b>S</b>		

## 4.4.4 - Air pollution

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	<ul><li>Inside</li></ul>	<b>©</b> Outside	<b>→</b> Decreasing	→ Stable	Increasing
O Positive							
Negative X	×	×	×	×	<b>S</b>		

#### 4.4.5 - Solid waste

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Potential, Inside, Outside

× Relevant	1	Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	© Outside	<b>▶</b> Decreasing	→ Stable	Increasing
Positive							
○ Negative X	×	×	×	×	<b>S</b>		

## 4.4.6 - Input of excess energy

Previous answer Cycle 2 (26/07/2011):

• Not relevant

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

## 4.5. Biological resource use/modification

### 4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Inside, Outside

X Relevant				Not relevant				
	Impact Origin			Trend of impact				
Impact	Current	Potential	<ul><li>Inside</li></ul>	<b>Outside</b>	<b>№</b> Decreasing	⇒ Stable	Increasing	
O Positive								
		×	×	×	<b>S</b>			

## 4.5.2 - Aquaculture

Previous answer Cycle 2 (26/07/2011):

Relevant	X Not relevant

#### 4.5.3 - Land conversion

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

* Relevant	1	Not relevant					
	Impact				Trend of impact		
Impact	Current	Potential	Inside	© Outside	<b>→</b> Decreasing	⇒ Stable	Increasing
O Positive							
	×	×	×	×		<b>→</b>	

## 4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current Potential		<ul><li>Inside</li></ul>	<b>©</b> Outside	Stable    ✓ Increasing		Increasing
O Positive							
Negative X		×		×	<b>S</b>		

## 4.5.5 - Crop production

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

X Relevant				Not relevant			
	Impact Original Control of the Contr				Trend of impact		
Impact	Current	Potential	Inside	© Outside	<b>▶</b> Decreasing	⇒ Stable	Increasing
Positive							
	×	×	×	×		$\Rightarrow$	

## 4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Potential, Inside, Outside

× Relevant		Not relevant					
	Impact				Trend of impact		
Impact	npact Current Potential		• Inside	© Outside	▶ Decreasing ⇒ Stable ✓ Increase		Increasing
O Positive							
○ Negative X	×	×	×	×	<b>S</b>		

## 4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Potential, Inside, Outside

✗ Relevant				Not relevant			
	Impact				Trend of impact		
Impact	Current	Potential	• Inside	<b>©</b> Outside	<b>№</b> Decreasing	→ Stable	Increasing
Positive							
○ Negative X	×	×	×	×	<b>S</b>		

## 4.5.8 - Commercial hunting

Previous answer Cycle 2 (26/07/2011):

Relevant	X Not relevant
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#### 4.5.9 - Subsistence hunting

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Potential, Inside, Outside

× Relevant	1	Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>▶</b> Decreasing	→ Stable	Increasing
O Positive							
	×		×	×	•		

## 4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Inside, Outside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	<ul><li>Inside</li></ul>	Outside	<b>→</b> Decreasing	→ Stable	Increasing
O Positive							
Negative X	×		×	×	<b>S</b>		

# 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 (26/07/2011):

Not relevant

Relevant	X Not relevant

#### 4.6.2 - Quarrying

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant		Not relevant					
	Impact				Trend of impact		
Impact	npact		• Inside	<b>Outside</b>	Decreasing   → Stable   ✓ Inc.		Increasing
O Positive							
Negative X		×	×	×	<b>&gt;</b>		

### 4.6.3 - Oil and gas

Previous answer Cycle 2 (26/07/2011):

• Not relevant

Relevant	X Not relevant

## 4.6.4 - Water (extraction)

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

## 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 (26/07/2011):

Relevant X Not relevant

## 4.7.2 - Relative humidity

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.7.3 - Temperature

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.7.4 - Radiation/Light

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

#### 4.7.5 - Dust

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

#### 4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.7.7 - Pests

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Inside, Outside

× Relevant				Not relevant				
	Impact Origin				Trend of impact			
Impact	Current	Potential	Inside	<b>Outside</b>	<b>→</b> Decreasing	⇒ Stable	Increasing	
O Positive								
○ Negative X	×		×	×	<b>S</b>			

## 4.7.8 - Micro-organisms

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

Relevant X Not relevant

# 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 (26/07/2011):

• Relevant, Negative, Potential, Inside

× Relevant				Not relevant				
	Impact Origin			Trend of impact				
Impact	Current	Potential	<ul><li>Inside</li></ul>	<b>©</b> Outside	<b>→</b> Decreasing	⇒ Stable	Increasing	
O Positive 🗶	×	×	×				7	
Negative								

#### 4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (26/07/2011):

• Relevant, Positive, Current, Potential, Inside, Outside

× Relevant	1	Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	<b>Outside</b>	<b>▶</b> Decreasing	→ Stable	Increasing
Positive X	×	×	×	×		$\rightarrow$	
Negative							

## 4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Inside, Outside

X Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	<ul><li>Inside</li></ul>	<b>Outside</b>	<b>▶</b> Decreasing	⇒ Stable	Increasing
O Positive							
○ Negative X	×	×	×		•		

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

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant				Not relevant				
	Impact Origin			Trend of impact				
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>▶</b> Decreasing	→ Stable	Increasing	
O Positive								
Negative X		×	×			$\rightarrow$		

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

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Outside

<b>X</b> Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	<b>Outside</b>	<b>▶</b> Decreasing	⇒ Stable	Increasing
O Positive							
Negative X		×	×				1

## 4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (26/07/2011):

• Relevant, Positive, Current, Inside, Outside

× Relevant	1	Not relevant						
	Impact Origin			gin Trend of impact				
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>№</b> Decreasing	→ Stable	Increasing	
Positive	×	×	×	×		<b>→</b>		
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 (26/07/2011):

• Relevant, Negative, Current, Inside, Outside

#### 4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

#### 4.9.3 - Military training

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

#### 4.9.4 - War

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.9.5 - Terrorism

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.9.6 - Civil unrest

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X 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

No comment

## 4.10. Climate change and severe weather events

## 4.10.1 - Storms

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

X Relevant				Not relevant			
	Impact Origin			Trend of impact			
Impact	Current	Potential	Inside	<b>G</b> Outside	<b>→</b> Decreasing	→ Stable	Increasing
Positive							
Negative	×	×	×			$\Rightarrow$	

## 4.10.2 - Flooding

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Current, Potential, Outside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>→</b> Decreasing	→ Stable	Increasing
O Positive							
Negative X	×		×			<b>→</b>	

#### 4.10.3 - Drought

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.10.4 - Desertification

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

#### 4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

★ Relevant		Not relevant					
	Impact Origin			n Trend of impact			
Impact	Current	Potential	• Inside	<b>©</b> Outside	<b>▶</b> Decreasing	<b>⇒</b> Stable	Increasing
O Positive							
Negative X	×		×			<b>→</b>	

## 4.10.6 - Temperature change

Previous answer Cycle 2 (26/07/2011):

Not relevant

× Relevant				Not relevant			
	Impact Origin			Trend of impact			
Impact	Current	Potential	Inside	<b>Outside</b>	<b>→</b> Decreasing	→ Stable	Increasing
O Positive							
○ Negative X		×	×	×		$\Rightarrow$	

## 4.10.7 - Other climate change impacts

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

Relevant X Not relevant	Relevant	X 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

As experienced worldwide, the PPSRNP also experience the effects of climate change. Thus it remains insignificant.

## 4.11. Sudden ecological or geological events

#### 4.11.1 - Volcanic eruption

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.11.2 - Earthquake

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

#### 4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X Not relevant

## 4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (26/07/2011):

Relevant X Not relevant

## 4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant			ı	Not relevant					
	Impact Origin			Origin Trend of impact					
Impact	Current	Potential	Inside	<b>Outside</b>	<b>→</b> Decreasing	→ Stable	Increasing		
Positive									
Negative X	×	×	×	×		<b>→</b>			

## 4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant			ı	Not relevant					
	Impact Origin			Origin Trend of impact					
Impact	Current	Potential	<ul><li>Inside</li></ul>	© Outside	<b>▶</b> Decreasing	→ Stable	Increasing		
O Positive									
Negative X	×	×	×	×	<b>S</b>				

# 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 (26/07/2011):

Not relevant

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

## 4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant			1	Not relevant				
	Impact Origin			Trend of impact				
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>→</b> Decreasing	→ Stable	Increasing	
O Positive								
○ Negative X	×	×		×	<b>S</b>			

## 4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant			1	Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>▶</b> Decreasing	<b>⇒</b> Stable	Increasing
Positive							
○ Negative X		×		×		<b>→</b>	

## 4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (26/07/2011):

Relevant	X Not relevant

#### 4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant	X Not relevant

## 4.12.6 - Modified genetic material

Previous answer Cycle 2 (26/07/2011):

Not relevant

Relevant X 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	<ul><li>Inside</li></ul>	<b>©</b> Outside	<b>▶</b> Decreasing	→ Stable	Increasing
Positive X	×	×	×	×		→	
Negative							

## 4.13.2 - Legal framework

× Relevant				Not relevant			
	Impact Origin		Trend of impact				
Impact	Current	Potential	Inside	<b>©</b> Outside	<b>▶</b> Decreasing	→ Stable	Increasing
O Positive X	×	×	×				/
Negative							

## 4.13.3 - Governance

× Relevant				Not relevant			
	Impact Origin			Trend of impact			
Impact	Current	Potential	• Inside	<b>Outside</b>	<b>▶</b> Decreasing	→ Stable	Increasing
O Positive 🗶	×	×	×	×			7
Negative							

## 4.13.4 - Management activities

Previous answer Cycle 2 (26/07/2011):

• Relevant, Positive, Current, Inside, Outside

× Relevant				Not relevant						
	Impact		Origin		Trend of impact					
Impact	Current	Potential	Inside	<b>Outside</b>	<b>▶</b> Decreasing	→ Stable	Increasing			
O Positive 🗶	×	×	×	×			7			
Negative										

#### 4.13.5 - Financial resources

✗ Relevant			Not relevant								
	Impact Origin				Trend of impact						
Impact	Current	Potential	Inside	<b>Outside</b>	<b>→</b> Decreasing	⇒ Stable	Increasing				
○ Positive    ★	×		×	×	<b>S</b>						
Negative											

#### 4.13.6 - Human resources

× Relevant			1	Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	<b>Outside</b>	<b>→</b> Decreasing	→ Stable	Increasing
O Positive X	×	×	×			→	
Negative							

## 4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (26/07/2011):

• Relevant, Positive, Current, Potential, Inside, Outside

X Relevant				Not relevant					
	Impact	Impact Origin			Trend of impact				
Impact	<b>Gurrent</b>	Potential	Inside	© Outside	<b>▶</b> Decreasing	→ Stable	Increasing		
O Positive 🗶	×	×	×	×			/		
Negative									

## 4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (26/07/2011):

• Relevant, Negative, Potential, Outside

× Relevant				Not relevant							
	Impact				Trend of impact						
Impact	Current	Potential	<ul><li>Inside</li></ul>	Outside	<b>▶</b> Decreasing	→ Stable	Increasing				
O Positive 🗶	×		×			$\rightarrow$					
		×		×		<b>→</b>					

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

The Strategic Management Plan for 2020-2029 is up for finalization. High Value Conservation Areas has been identified as well as the new Management Zones and Buffers which is 2km radius from the park Socio Economic Assessment Monitoring System has also been practiced by the park management to identify the tenured and non tenured migrants within the national park. High Impact Researches, although beneficial and in good faith may cause negative impact if uncontrolled.

## 4.14. Other factor(s)

## 4.14.1 - Other factor(s)

## 4.15. Factors Summary Table

#### 4.15.1 - Factors Summary Table

Name	Impact	:		Origin		Trend
4.1 Buildings and Development						
4.1.1 Housing						
			9		<b>G</b>	•
4 Major visitor accommodation and associated infrastructure						
		9			<b>ઉ</b>	•
4.1.5 Interpretative and visitation facilities	0	9		•	Œ	1
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
		9		•	<b>G</b>	1
4.2.4 Marine transport infrastructure	0	9	9	•		$\rightarrow$

4.3 Services Infrastructures						
4.3.1 Water infrastructure	•	9	9		<b>E</b>	<b>→</b>
4.3.2 Renewable energy facilities		e a		9		a)
4.3.2 Nellewable ellergy facilities	•	-1		•		
4.3.4 Localised utilities	<b></b>	<b>A</b>			<b>F</b>	<i>P</i>
			9			<b>S</b>
4.4 Pollution						
4.4.1 Pollution of marine waters						
					<b>G</b>	<b>S</b>
4.4.2 Ground water pollution						
			9	•	Œ	<b>S</b>
4.4.3 Surface water pollution						
		9	q	•	Œ	\$
4.4.4 Air pollution						
		q	9	•	<b>(</b>	<b>S</b>
4.4.5 Solid waste						
		<b>A</b>	9	•	<b>(</b>	<b>S</b>
4.5 Biological resource use/modification						
4.5.1 Fishing/collecting aquatic resources						
			q	•	<b>G</b>	<b>S</b>
4.5.3 Land conversion						
	<u>a</u>			•	/ <b>G</b>	<b>⇒</b>
4.5.4 Livestock farming/Grazing of domesticated animals		-,	- 0	G	G	
· ·			<b>a</b>		<b>₹</b>	
ACC Own and deather			,		9	-
4.5.5 Crop production	_					
			4	•	<b>F</b>	<b>→</b>
4.5.6 Commercial wild plant collection						
		4		•	<b>G</b>	•
4.5.7 Subsistence wild plant collection						
450 Och stellers have been transported to the stellers and the stellers are the stellers and the stellers are the stellers ar			q	•	F	
4.5.9 Subsistence hunting						
		<b>F</b>		•	<b>F</b>	•
4.5.10 Forestry/Wood production						
		9		•	<b>C</b>	•
4.6 Physical resource extraction						
4.6.2 Quarrying						
			9	•	Œ	<b>S</b>
4.7 Local conditions affecting physical fabric						
4.7.7 Pests						
		<b>A</b>		•	<b>F</b>	<b>S</b>
4.8 Social/Cultural uses of heritage						
		E/3	<b>~</b>			2
4.8.1 Ritual/Spiritual/Religious and associative uses	<b>()</b>	4	9	•		

		_	_			
4.8.2 Society's valuing of heritage	<b>O</b>	9		•	<b>G</b>	<b>→</b>
4.8.3 Indigenous hunting, gathering and collecting						
			9	•		\$
4.8.4 Changes in traditional ways of life and knowledge system						
				•		<b>→</b>
			-,	G		
4.8.5 Identity, social cohesion, changes in local population and community						
			9	•		P
4.8.6 Impacts of tourism/Visitation/Recreation	0	9	9	•	Œ	$\rightarrow$
4.9 Other human activities						
4.9.1 Illegal activities						
				8	18	
		-1		•	G	M
4.10 Climate change and severe weather events						
4.10.1 Storms						
		<b>A</b>	<b>A</b>	•		$\rightarrow$
4.10.2 Flooding						
						_
		7		•		
4.10.5 Changes to oceanic waters						
		9		•		<b>→</b>
4.10.6 Temperature change						
			q	<b>@</b>	Œ	<b>→</b>
4.11 Sudden ecological or geological events						
4.11.5 Erosion and siltation/Deposition						
			9	•	F	$\rightarrow$
4.11.6 Fire (wildfire)						
		9	9	•	C	<b>S</b>
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial species						
		<b>P</b>	<b>A</b>		Œ	<b>\</b>
4.12.3 Invasive/Alien freshwater species						
איז						
					C	<b>→</b>
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	<b>O</b>	<b>P</b>	<b>A</b>	•	G	$\rightarrow$
4.13.2 Legal framework	<b>O</b>	q	q	•		<i>&gt;</i>
4422 Cananana		E79	m73		/df	4
4.13.3 Governance	<b>O</b>	4	4	•	G	
4.13.4 Management activities	•	9	9	•	C	1
4.13.5 Financial resources	<b>O</b>	<b>A</b>		•	Œ	<b>S</b>

4.13.6 Human reso	.13.6 Human resources					9	9	•		$\rightarrow$
4.13.7 Low impact	13.7 Low impact research/monitoring activities					Ą	9	•	<b>G</b>	7
4.13.8 High impac	t research/monitoring act	tivities			<b>O</b>			•		$\rightarrow$
							9		Œ	$\rightarrow$
Legend	egend							Outside	de	

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	i		Origin	Trend	
4.1.1 Hous	ing						
				9		Œ	\$
Spatial sca	le - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Temporal	scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
×	Decreasing						
	Static						
	Increasing						

Name	Impact	Origin	Trend
4.1.4 Major visitor accommodation and associated infrastructure			

			q		Œ	<b>S</b>
Snatial sca	ale - Area affected by the factor					
×	Restricted					
**	Localised					
	Extensive					
	Widespread					
Temporal s	scale - Occurence of the impact					
×	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	ent response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	velopement over the last 6 years					
×	Decreasing					
	Static					
	Increasing					
Name		Impact		Origin		Trend
4.1.5 Interp	pretative and visitation facilities	<b>O</b>	9	•	<b>(</b>	<b>/</b>
Spatial sca	ale - Area affected by the factor					
	Restricted					
	Localised					
×	Extensive					
	Widespread					
Temporal s	scale - Occurence of the impact					
	One off or rare					
	Intermittent or sporadic					
×	Frequent					
	On-going					
Impact - Im	pact on the attributes					
	Insignificant					
	Minor					

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

## 4.2 Transportation Infrastructure

Name		Impact		Origin		Trend
4.2.1 Grou	nd transport infrastructure					
			q	•	F	7
Spatial sca	ale - Area affected by the factor					
×	Restricted					
•	Localised					
	Extensive					
	Widespread					
Temporal	scale - Occurence of the impact					
×	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - In	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	ent response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	velopement over the last 6 years					
	Decreasing					
	Static					
×	Increasing					

Name

Trend

Origin

Impact

4.2.4 Marin	2.4 Marine transport infrastructure		9	9	•		<b>→</b>
Spatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	cale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Impact on the attributes							
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	relopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						

## 4.3 Services Infrastructures

Name	Impact		Origin		Trend		
4.3.1 Water	rinfrastructure	•	<b>A</b>	9		Œ	$\rightarrow$
Spatial sca	lle - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	scale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						

Impact - Im	pact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				
Manageme	nt response - Capacity of management to respond				
×	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend - Dev	elopement over the last 6 years				
	Decreasing				
×	Static				
	Increasing				
Name				Origin	Trend
4.3.2 Renev	vable energy facilities	0	9	•	
Spatial sca	e - Area affected by the factor				
×	Restricted				
	Localised				
	Extensive				
	Widespread				
Temporal s	cale - Occurence of the impact				
×	One off or rare				
	Intermittent or sporadic				
	Frequent				
	On-going				
Impact - Im	pact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				
Manageme	nt response - Capacity of management to respond				
	High capacity				
×	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend - Dev	elopement over the last 6 years				
	Decreasing				
	Static				
×	Increasing				

Name		Impact		Origin		Trend	
4.3.4 Local	ised utilities	0	9			<b>G</b>	7
				9			<b>S</b>
Spatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	cale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	relopement over the last 6 years						
×	Decreasing						
	Static						
	Increasing						

## 4.4 Pollution

Name		Impact		Origin		Trend	
4.4.1 Pollu	tion of marine waters						
			9			Œ	<b>S</b>
Spatial sca	ale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Temporal	emporal scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						

	Frequent					
	On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	relopement over the last 6 years					
×	Decreasing					
	Static					
	Increasing					
Name		Impact		Origin		Trend
4.4.2 Groui	4.4.2 Ground water pollution					
			9	•	<b>C</b>	•
Spatial sca	le - Area affected by the factor					
×	Restricted					
	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
×	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	relopement over the last 6 years					

Decreasing

×

Static	
Increasing	

4.4.3 Surface water pollution				
outlies interest pointing				
<b>⊖</b> ¶	9 (	•	Œ	<b>S</b>

			q	9	•	C	•				
Spatial sca	le - Area affected by the factor										
×	Restricted										
	Localised										
	Extensive										
	Widespread										
Temporal s	cale - Occurence of the impact										
×	One off or rare										
	Intermittent or sporadic										
	Frequent										
	On-going On-going										
Impact - Im	Impact - Impact on the attributes										
×	Insignificant										
	Minor										
	Significant										
	Major										
Manageme	nt response - Capacity of management to respond										
×	High capacity										
	Medium capacity										
	Low capacity										
	No capacity and / or resources										
Trend - Dev	relopement over the last 6 years										
×	Decreasing										
	Static										
	Increasing										

Name	Impact			Origin		Trend
4.4.4 Air pollution						
		q	9	•	<b>(</b>	<b>S</b>

Spatial sc	ale - Area affected by the factor
×	Restricted
	Localised
	Extensive
	Widespread
Temporal	scale - Occurence of the impact
×	One off or rare
	Intermittent or sporadic
	Frequent

	On-going Control of the Control of t						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
×	Decreasing						
	Static						
	Increasing						
Name		Impact			Origin		Trend
4.4.5 Solid	waste						
			q	9	•	F	•
Spatial sca	lle - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Temporal	scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
×	Decreasing						
	Ctatio						

Name

## 4.5 Biological resource use/modification

4.5.1 Fi	ishing/collecting aquatic resources						
				ø	•	F	<u> </u>
Spatial	scale - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Tempo	ral scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
Impact	- Impact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manag	ement response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend -	Developement over the last 6 years						
×	Decreasing						
	Static						
	Increasing						
Name		Impact	t		Origin		Trend
4.5.3 La	and conversion						
			<b>P</b>	9	•	F	<b>→</b>
Spatial	scale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Tempo	ral scale - Occurence of the impact						
	One off or rare						

Impact

Origin

Trend

Intermittent or sporadic

	Frequent					
	On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
~	Minor					
	Significant					
	Major					
Managomo	nt response - Capacity of management to respond					
	High capacity					
×						
	Medium capacity					
	Low capacity					
Torrid Dec	No capacity and / or resources					
Irend - Dev	elopement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					
Name		Impact		Origin		Trend
	ock farming/Grazing of domesticated animals	iiipaci		Origin		Heliu
			9		<b>G</b>	•
			·			
Spatial sca	le - Area affected by the factor					
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - Dev	relopement over the last 6 years					

Decreasing

×

Static	
Increasing	

Name	Impact	:		Origin		Trend
4.5.5 Crop production						
			q	•	Œ	$\rightarrow$

		q	9	•	F	$\rightarrow$
Spatial sca	le - Area affected by the factor					
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - Dev	relopement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					

Name	Impact	t		Origin		Trend
4.5.6 Commercial wild plant collection						
		9	9	•	Œ	\$

Spatial sc	ale - Area affected by the factor
×	Restricted
	Localised
	Extensive
	Widespread
Temporal	scale - Occurence of the impact
×	One off or rare
	Intermittent or sporadic
	Frequent

	On-going Control of the Control of t						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	ent response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
×	Decreasing						
	Static						
	Increasing						
Name		Impact			Origin		Trend
4.5.7 Subs	istence wild plant collection						
			9	9	•	<b>G</b>	•
Spatial sca	ale - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	scale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	ent response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
×	Decreasing						
**	Static						
	Ciulio						

Increasing

Name	Impact		Origin		Trend
4.5.9 Subsistence hunting					
			•	Œ	•

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

Name	Impact		Origin		Trend	
4.5.10 Forestry/Wood production						
		<b>A</b>		•	<b>(</b>	•

Spatial sca	ale - Area affected by the factor					
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Temporal s	Temporal scale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					

	On-going On-going
Impact - Im	pact on the attributes
×	Insignificant
	Minor
	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
×	Decreasing
	Static
	Increasing

## 4.6 Physical resource extraction

Name		Impact		Origin		Trend
4.6.2 Quar	rying					
			9	•	Œ	\$
Spatial sca	ale - Area affected by the factor					
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Temporal	scale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - In	npact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Мајог					
Manageme	ent response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	velopement over the last 6 years					
×	Decreasing					

Static
Increasing

## 4.7 Local conditions affecting physical fabric

Name		Impact		Origin	ı	Trend
4.7.7 Pests						
			9	•	Œ	<b>S</b>
Spatial sca	le - Area affected by the factor					
×	Restricted					
	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	velopement over the last 6 years					
×	Decreasing					
	Static					
	Increasing					

## 4.8 Social/Cultural uses of heritage

Name	Name		Impact				Trend
4.8.1 Ritual/Spiritual/Religious and associative uses		•	<b>F</b>	<b>A</b>	•		-
Spatial scale - Area affected by the factor							
	Restricted						
×	Localised						
	Extensive						
	Widespread						

Temporal s	scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						
Name		Impact			Origin		Trend
4.8.2 Socie	ty's valuing of heritage					<b>G</b>	
	sy o valually of Horizago			9	•	G	<b>→</b>
	ty o valuing of nonlarge		4	-1	<b>(9)</b>	G	→
	ile - Area affected by the factor		-7		<b>(e)</b>	G	<b>→</b>
			<i></i> 7	-4	<b>Q</b>	9	<b>→</b>
	lle - Area affected by the factor			64	•	9	
	ele - Area affected by the factor  Restricted		4	4		3	
Spatial sca	lle - Area affected by the factor  Restricted  Localised			9	0	3	
Spatial sca	Restricted Localised Extensive			-1	0		
Spatial sca	Restricted Localised Extensive Widespread		ed.	-1	0		
Spatial sca	Restricted  Localised  Extensive  Widespread  scale - Occurence of the impact		e-t	-1	0		
Spatial sca	Restricted  Localised  Extensive  Widespread  scale - Occurence of the impact  One off or rare		e-4	-1	0		
Spatial sca	Restricted Localised Extensive Widespread  Scale - Occurence of the impact Intermittent or sporadic		e-1	-1	0		
X Temporal s	Restricted Localised Extensive Widespread Scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent		e-f		0		
X Temporal s	Restricted Localised Extensive Widespread Cocale - Occurence of the impact Intermittent or sporadic Frequent On-going		e-4				
X Temporal s	Restricted Localised Extensive Widespread  Cone off or rare Intermittent or sporadic Frequent On-going  Example 1. On-going  Example 2. One of the attributes		e-1				
X Temporal s	Restricted  Localised  Extensive  Widespread  Scale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  spact on the attributes  Insignificant		e-1				
X Temporal s	Restricted Localised Extensive Widespread Gale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going Apact on the attributes Insignificant Minor		e-t				
X Temporal s	Restricted Localised Extensive Widespread Scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going spact on the attributes Insignificant Minor Significant						
X Temporal s	Restricted  Localised  Extensive  Widespread  Cocurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  Insignificant  Minor  Significant  Major						
X Temporal s  Impact - Im	Restricted Localised Extensive Widespread Scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going spact on the attributes Insignificant Minor Significant Major Intersponse - Capacity of management to respond						
X Temporal s  Impact - Im	Restricted Localised Extensive Widespread Scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going Pact on the attributes Insignificant Minor Significant Major Intersponse - Capacity of management to respond High capacity						

Trend - Developement over the last 6 years						
	Decreasing					
×	Static					
	Increasing					

Name	Impac	Impact			Origin Origin		Trend
4.8.3 Indigenous hunting, gathering and collecting							
		9	9	•	<b>S</b>		
Spatial scale - Area affected by the factor							

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

Name	Impact		Impact		Impact		Impact		Impact		Impact		Origin	Trend
4.8.4 Changes in traditional ways of life and knowledge system														
		9	•	$\rightarrow$										

Spatial scale - Area affected by the factor	
×	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurence of the impact	

	One off or rare				
×	Intermittent or sporadic				
	Frequent				
	On-going				
Impact - Im	pact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				
Manageme	nt response - Capacity of management to respond				
×	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend - Dev	elopement over the last 6 years				
	Decreasing				
×	Static				
	Increasing				
Name		Impact		Origin	Trend
4.8.5 Identit	y, social cohesion, changes in local population and community				
			<b>E</b>	•	
Spatial sca	e - Area affected by the factor		4	•	
Spatial scal	e - Area affected by the factor  Restricted	9	4	•	
Spatial scal			4	•	
	Restricted		64	•	
	Restricted Localised		e4	•	
×	Restricted Localised Extensive		e4	•	
×	Restricted  Localised  Extensive  Widespread		64	•	
×	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact		e4	•	
×	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare		e4		
× Temporal s	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic		e4		
× Temporal s	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent		e4		
× Temporal s	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going		e4		
× Temporal s	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes		e.f		
× Temporal s	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes  Insignificant		e-f		
X  Temporal s  X	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes  Insignificant  Minor		e-f		
× Impact - Im	Restricted  Localised  Extensive  Widespread  Cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  Coact on the attributes  Insignificant  Minor  Significant				
× Impact - Im	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  cact on the attributes  Insignificant  Minor  Significant  Major				
X Impact - Im X	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes  Insignificant  Minor  Significant  Major  At response - Capacity of management to respond				
X Impact - Im X	Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  cact on the attributes  Insignificant  Minor  Significant  Major  At response - Capacity of management to respond  High capacity				

Trend - Dev	elopement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						
Name		Impact			Origin		Trend
4.8.6 Impacts of tourism/Visitation/Recreation			9	4	•	<b>F</b>	<b>→</b>
Spatial scale	e - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal so	cale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going On-going						
Impact - Imp	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Managemen	t response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	elopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						

### 4.9 Other human activities

Name	Impact	Impact		Origin		Trend
4.9.1 Illegal activities						
		9		•	Œ	<b>S</b>
Spatial scale - Area affected by the factor						

Spatial sca	ale - Area affected by the factor
	Restricted
×	Localised
	Extensive
	Widespread

Temporal s	scale - Occurence of the impact
	One off or rare
×	Intermittent or sporadic
	Frequent
	On-going
Impact - Im	pact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	ent response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
×	Decreasing
	Static
	Increasing

# 4.10 Climate change and severe weather events

Name		Impact		Origin		Trend
4.10.1 Stor	4.10.1 Storms					
			9	q	•	<b>→</b>
Custial sea	le - Area affected by the factor					
Spatial Sca						
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
×	High capacity					
	Medium capacity					

	Low capacity
	No capacity and / or resources
Trend - Dev	relopement over the last 6 years
	Decreasing
×	Static
	Increasing

Name	Impact		Origin		Trend	
4.10.2 Flooding						
				•		<b>→</b>

		q	<b>(</b>	<b>→</b>
		•		
Spatial sca	le - Area affected by the factor			
	Restricted			
	Localised			
×	Extensive			
	Widespread			
Temporal s	cale - Occurence of the impact			
	One off or rare			
×	Intermittent or sporadic			
	Frequent			
	On-going			
Impact - Im	pact on the attributes			
	Insignificant			
×	Minor			
	Significant			
	Major			
Manageme	nt response - Capacity of management to respond			
×	High capacity			
	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend - Dev	velopement over the last 6 years			
	Decreasing			
×	Static			
	Increasing			

Name	Impact		Origin		Trend	
4.10.5 Changes to oceanic waters						
		<b>a</b>		•		$\rightarrow$

Spatial sca	ale - Area affected by the factor
×	Restricted
	Localised
	Extensive

	Widespread						
Temporal s	cale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name							
		Impac	t		Origin		Trend
	perature change	Impac	•	-2			Trend
	perature change	impac		9	Origin	F	Trend  →
4.10.6 Tem	perature change le - Area affected by the factor	impac		9			Trend
4.10.6 Tem		impac		9			Trend
4.10.6 Tem	le - Area affected by the factor	impac impac		9			Trend
4.10.6 Tem	le - Area affected by the factor  Restricted	impac impac		9			Trend
4.10.6 Tem	le - Area affected by the factor  Restricted  Localised	impac impac		9			Trend  →
4.10.6 Tem	le - Area affected by the factor  Restricted  Localised  Extensive	impac		9			Trend  →
4.10.6 Tem	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread	impac impac		q			Trend  →
4.10.6 Tem	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  ccale - Occurence of the impact			4			Trend  →
4.10.6 Tem	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  icale - Occurence of the impact  One off or rare	impac impac		9			Trend  →
4.10.6 Tem	Restricted Localised Extensive Widespread Cocale - Occurence of the impact Intermittent or sporadic	impac impac		9			Trend
4.10.6 Tem  Spatial sca	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent			4			→
4.10.6 Tem  Spatial sca	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  ccale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going			4			Trend  →
4.10.6 Tem  Spatial sca	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  scale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  spact on the attributes			4			Trend  →
4.10.6 Tem  Spatial sca  X  Temporal s	Restricted  Localised  Extensive  Widespread  icale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes  Insignificant	impac impac		9			Trend  ⇒
4.10.6 Tem  Spatial sca  X  Temporal s	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  cale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes  Insignificant  Minor	impac impac		4			Trend
X  Impact - Im	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  scale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes  Insignificant  Minor  Significant			4			Trend  →
X  Impact - Im	le - Area affected by the factor  Restricted  Localised  Extensive  Widespread  Geale - Occurence of the impact  One off or rare  Intermittent or sporadic  Frequent  On-going  pact on the attributes  Insignificant  Minor  Significant  Major			4			Trend  →

	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

# 4.11 Sudden ecological or geological events

Name		Impact			Origin		Trend
4.11.5 Eros	sion and siltation/Deposition						
			9	9	•	<b>G</b>	$\rightarrow$
Spatial sca	ale - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal	scale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - In	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						

Name	Impact		Origin		Trend	
4.11.6 Fire (wildfire)						
		9	9	•	Œ	<b>S</b>

Spatial sca	ale - Area affected by the factor
×	Restricted
	Localised

	Extensive
	Widespread
Temporal s	cale - Occurence of the impact
×	One off or rare
	Intermittent or sporadic
	Frequent
	On-going On-going
Impact - Im	pact on the attributes
×	Insignificant
	Minor
	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	relopement over the last 6 years
×	Decreasing
	Static
	Increasing

# 4.12 Invasive/alien species or hyper-abundant species

Name		Impact		Origin			Trend
4.12.2 Inva	sive/Alien terrestrial species						
			9	9		Œ	•
Spatial sca	ale - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal	scale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - In	npact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Managome	ent response - Capacity of management to respond						

×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
×	Decreasing
	Static
	Increasing

Name	Impact		Impact		Impact		0		act		pact		act		.t								pact		Impact		Origin			Trend
4.12.3 Invasive/Alien freshwater species																														
			9		<b>G</b>	<b>→</b>																								

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

# 4.13 Management and institutional factors

Name	Impac	Impact		Origin	Trend	
4.13.1 Management system/Management plan	<b>O</b>	9	9	•	Œ	$\rightarrow$

	Restricted					
	Localised					
×	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
	Intermittent or sporadic					
×	Frequent					
	On-going On-going					
Impact - Im	pact on the attributes					
	Insignificant					
	Minor					
	Significant					
×	Major					
Manageme	t response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - Dev	elopement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					
Name		Impact		-72	Origin	Trend
4.13.2 Lega	framework	<b>©</b>	4	4	•	1
Spatial scal	e - Area affected by the factor					
	Restricted					
	Localised					
	Extensive					
×	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
	Intermittent or sporadic					
×	Frequent					
	On-going					
Impact - Im	pact on the attributes					
	Insignificant					
	Minor					
	Significant					
×	Major					

Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	elopement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						
Name		Impact		<i>~</i> 3	Origin	Œ	Trend
4.13.3 Gove	rnance	<b>O</b>	4	9	•	G	
Spatial sca	le - Area affected by the factor						
	Restricted						
	Localised						
	Extensive						
×	Widespread						
Temporal s	cale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
×	Frequent						
	On-going						
Impact - Im	pact on the attributes						
	Insignificant						
	Minor						
	Significant						
×	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	relopement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						
Nome		lnen			Onlaste		Tear
Name 4.13.4 Mana	agement activities	Impact	q	9	Origin	F	Trend
Spatial sca	le - Area affected by the factor						

Restricted

	Localised					
	Extensive					
×	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
	Intermittent or sporadic					
	Frequent					
×	On-going On-going					
Impact - Im	pact on the attributes					
	Insignificant					
	Minor					
×	Significant					
	Major					
Manageme	t response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	elopement over the last 6 years					
	Decreasing					
	Static					
×	Increasing					
Name	icial resources	Impact	<b>4</b>	Origin	Œ	Trend
4.13.3 Filla	icial resources		7	•	G	
Spatial sca	e - Area affected by the factor					
	Restricted					
	Localised					
	Extensive					
×	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
	Intermittent or sporadic					
	Frequent					
×	On-going On-going					
Impact - Im	pact on the attributes					
	Insignificant					
	Minor					
×	Significant					
	Major					

	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	velopement over the last 6 years						
×	Decreasing						
	Static						
	Increasing						
Name		Impact			Origin		Trend
4.13.6 Hum	an resources	•	4	9	•		<b>→</b>
Spatial sca	le - Area affected by the factor						
	Restricted						
	Localised						
	Extensive						
×	Widespread						
Temporal s	cale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going						
Impact - Im	pact on the attributes						
	Insignificant						
	Minor						
×	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name 4.13.7 Low impact research/monitoring activities		Impact			Origin	18	Trend
4.13.7 LOW	mipact research/monitoring activities	<b>©</b>		4	•	F	
Spatial sca	le - Area affected by the factor						
	Restricted						

	Localised						
	Extensive						
×	Widespread						
Temporal s	cale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
×	Frequent						
	On-going On-going						
Impact - Im	pact on the attributes						
	Insignificant						
	Minor						
×	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						
Name	impact research/monitoring activities	Impact	q		Origin		Trend
4.10.0 Tilgi	mpact research mineral great mes		-,	q	3	<b>G</b>	→
				-,		Ç	·
Spatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal	cale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						

×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement 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

Not Applicable

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	Tourism Management	×			
4.18.1.2	Management Zones	×			
4.18.1.3	Protection and Conservation	×			
4.18.1.4	Community Empowerment	×			
4.18.1.5	Governance	×			

#### 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 do not limit the ability to maintain the property's Outstanding Universal Value but they could be improved

#### 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 do not limit the ability to maintain the property's Outstanding Universal Value but they could be improved

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

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

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

Since the expansion of the National Park in 1999, all integral features safeguarding the integrity of the national park has been included in the protected area with corresponding buffer zones. Forest corridors are placed for wildlife.

### 5.2. Protective Measures

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

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

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?

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

5.2.5 - Is the legal framework (i.e. legislation and/or regulation) in the broader setting of the World Heritage property adequate for

#### maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

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

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

There is adequate capacity/resources to enforce legislation and/or regulation in the World Heritage property

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

The PAMB serves as the enforcement agency of all pertinent laws and statutes. A PAMB Clearance is issued to projects and services that complied with the laws enforced by the park.

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

This information is very important and relevant in managing a WHS.

#### 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 joint national/ local

### If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.
Other forms of statutory or non-statutory plans (e.g. strategic plans)
Traditional ways of management recognised by local communities and other specific groups
Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property
Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management
Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups
A framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property
A code of practice developed by local communities or other groups
An integrated management plan combining World Heritage and any other designations
A management plan
An annual work plan or business plan
A disaster, climate or conflict risk management plan
A visitor/visitation management plan
An environmental management framework
An assessment of biological and cultural diversity and ecosystem services provided by the property
A joint approach to management of cultural and natural heritage
Other (please specify below)
Infrastructure and Activity Guidelines

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

The PPSRNP is being managed by a Protected Area Management Board, a multisectoral board that provides policy direction and over all decision making of the park.

### 5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Saint Paul Subterranean National Park - Management Plan, 01/1999	N/A	Available	1999	
Saint Paul Subterranean National Park. Management Plan	N/A	Available	1999	

# 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?

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

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

Monitoring of the climate change indicators.

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

Not Applicable

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

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

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

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

#### 5.3.13 - Is the management system being implemented?

The management system is being fully implemented and monitored

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

An annual work/action plan exists and all of its activities are being implemented and monitored

# 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					

# 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 Not Applicable

# **5.3.19 - Comments, conclusions and/or recommendations related to the management system/plan** Not Applicable

#### 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.)	%	%
6.1.1.2	Bilateral international funding	%	%
6.1.1.3	World Heritage Fund (International Assistance)	%	%
6.1.1.4	Contribution from other conventions and programmes	%	%
6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	%	%
6.1.1.7	Governmental (regional/provincial/state)	%	%
6.1.1.8	Governmental (local/municipal)	%	%
6.1.1.9	In-country donations (NGOs, foundations, etc.)	%	%
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	95 %	95 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	5 %	5 %
6.1.1.12	Other	%	%
		Total 100 %	Total 100 %

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

Since 2007, the PPSRNP has been self-reliant with its income solely coming from entrance fees and royalties.

### 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	60 %	70 %
6.1.6.2	Women	40 %	30 %
		Total 100 %	Total 100 %

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

Human resources are adequate for management needs

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

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

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

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

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

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

- 6.1.11 If the World Heritage Strategy for Capacity Building has been used, please briefly describe what has been done.
- 6.1.12 Are there site-specific capacity building plans or programmes that develop local expertise and that contribute to the transfer of skills for the conservation and management of the World Heritage property?

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

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

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

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

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

Research results are shared widely with active outreach to local communities and national and international audiences

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

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

There is a planned and effective education and awareness programme for children and youth that contributes to the protection of the World Heritage property

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

Local communities
Local/municipal authorities
Indigenous peoples
Landowners
Women
Youth/children
Researchers
Local Visitors
National/international tourists
Tourism industry
Local businesses and industries
NGOs

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

Visitor centre	Good
Site museum	Not provided but needed
Information booths	Good
Guided tours	Good

Trails/routes	Good
Printed information materials	Good
Online (website, social media, etc.)	Good
Transportation facilities	Good
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

331,356 / 342,280 / 299,340 / 324,645 / 335,383 /

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

Entry tickets and registries

Accommodation establishments

Tourism industry

Visitor surveys

#### 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

PPSRNP Visitor Information database

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

30 / 10 / 20 / 30 / 10 / 10 /

#### 9.6 - Please provide the source of information

PPSRNP Willingness to pay survey

# 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 planned and effective strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property

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?

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

#### 9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, through the UNESCO Tourism Management Assessment Tool

### 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 good cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation

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

The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made

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

In many locations, but not easily visible to visitors

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

Fees are collected and make a substantial contribution to the management of the World Heritage property

#### 9.15 - Are there locally driven sustainable tourism initiatives?

Yes

### If 'Yes', please specify

Community Based and Managed Sustainable Ecotourism Sites

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

### If 'Yes', please specify

Through Resgular Aids given to communities and livelihood programs

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

#### 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 for measuring the state of conservation and are being used in monitoring of how the Outstanding Universal value of the property is being maintained

#### 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				X
10.3.3	Character of governance			×	
10.3.4	Appropriate synergy with other conservation designations			×	
10.3.5	Contribution to sustainable development				X
10.3.6	Capacity development				×

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

There is an annual OUV Orientation for all the PPSRNP Staff. Also, New Discoveries are also relayed to the staff by the researchers and concerned agencies.

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

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

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

Implementation is underway

- 10.7 Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.
- 10.8 Comments, conclusions and/or recommendations related to Monitoring
- 11. Identification of Priority Management Needs
- 11.1 Identification of Priority Management Needs

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	
5.3	Management System/Management Plan	
5.3.7	Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	×
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 <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>	
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	×
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	×
9	Visitor Management	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	×
Pleas	se select 2 more issues.	
□ Ple	ease 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	Transportat	Transportation Infrastructure											
4.2.1	Ground transport infrastructure	port marine life Assessm			mental Impact Regular Water ment Quality Testing				All year round PPSRNP			EIA should be greatly considered for expansion.	
4.5	Biological re	esource us	e/modification										
4.5.3			Land conversio	n									
4.5.4			Livestock farming/Grazing of domesticated animals										
4.5.5	Crop production	vii/x	LAWIN Biodiv Monitoring App/Water Qu Testing		Interpretation Interpretation LAWII		All year round	PPSR	:NP/SIBOL/D	ENR/CI	TY ENRO		Crop production may cause siltation and may affect the quality of water of the Underground River (criterion vii) while chemicals introduced in crop production may affect the wildlife (criterionx)
4.8	Social/Cultu	ıral uses of	heritage										
4.8.4			Changes in traditional ways of life and knowledge system										
4.8.5	Identity, social cohesion, changes in local population and community	not app	licable	not app	blicable	not ap	plicable	not a	applicable		not applicable		not applicable
4.9	Other huma	n activities	•										
4.9.1	Illegal activities vii/x PPSRNP Activity a				PAMB Assessments/ Park Ranger Patrols and Monitoring			all year round PPSRNP S			Strict in	mplementation of laws	

4.10	Climate change	Climate change and severe weather events							
4.10.1			Storms						
4.10.2	Flooding	vii/x	Reforestation	Forest Cov Assessmen		All year round	PPSRNP/C	Community	Rehabilitation and reforestation goes hand in hand.
4.10.6	Temperature change	vii/x	Reforestation/ Renew Energy Utilization	vable	Pollution Co	ontrol	All year round	PPSRNP	Climate change mitigation efforts are conducted and sustainable lifestyle is encouraged
Question not completed									

# 12.2. Summary - Management Needs

2.2.1 - Sumn	-												
5.3	Mana	gement Syst		nagement Plan									
			Actio	ns	Timeframe	•		Lead agency (and others involved)			More info / comment		
5.3.7 Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property		made of blicy ment on npacts of te Change orld tge erties at	Review and Assess the Policy Document 6 month		6 months	is Pr		PPSRNP-PAMB		As a pressing concern, the PPSRNP-P/ must review this policy document and er relevant policies from this document tha are applicable to the PPSRNP			
5.3.9 No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property		made of trategy for cing Risks Disasters orld age	asses	Review the docuent and 6 months assess the needs of the property			PPSRNP-PAMB		(ea as and	As Palawan is blessed to be disaster proof (earthquake-proof/ typhoon stricken but not as usual as to the other parts of the country and lesser impacts), no use has been made from this document			
6.1		Funding											
6.1.3				Move for the independence of the PPSRNP fund though a special law		1 year		PPSRNP PAMB		Once the Special Law has been enacted, the PPSRNP Fund will be free from the red-tape and other absurd and inapplicable rules and regulations by the Financial Management System of the City Government as what is happening currently.			
6.1.10		No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property		6 mot		6 moth	ns PPSRNP PAMB			This information is new to the PAMB and has been inaccessible for the pas years. Thus, the PAMB should also review this strategy and include it in the management planning of the PPSRNP as additional reference.			
9	Visitor Management												
an int the Un of is bu im		rpretation of Outstanding versal Value be property cceptable		ew and assess the Ol entation and interpret		1 year		PPSRNP-PAM	10		There are current efforts with regards to the presentation and interpretation of the OUV of the PPSRNP. An assessment should be conducted to gauge the efficacy of this efforts and to look for possible rooms for improvement.		

- 12.3. Conclusions on the State of Conservation of the Property
- 12.3.1 Following the analysis undertaken for this report, what is the current state of Authenticity of the World Heritage property?

  The Authenticity of the World Heritage property has been preserved
- 12.3.2 Following the analysis undertaken for this report, what is the current state of Integrity of the World Heritage property? The Integrity of the World Heritage property is intact
- 12.3.3 Following the analysis undertaken for this report, what is the current state of the World Heritage property's Outstanding Universal Value?

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

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

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

- 12.3.5 Comments. conclusions and/or recommendations related to the state of conservation of the property.
- 13. Impact of World Heritage Status
- 13.1 Please rate the impacts of World Heritage status of the property in relation to the following areas

Conservation	Very positive
Research and monitoring	Very positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	Very positive
Recognition	Positive
Education	Very positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	Very positive
Political support for conservation	Very positive
Legal/Policy framework	Very positive
Advocacy	Very positive
Institutional coordination	Very positive
Security	Very positive
Gender equality	Very positive
Provision of ecosystem services/ benefits to local communities	Positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Very positive
Fostering inclusive local economic development and enhancing livelihood	Very positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Very 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 Inclusive Sustainable Development through community participation in governance
- 14.2 Define which topics are covered by this example of best practice at the property level

Sustainable Development	
Synergies	

State of Conservation	
Management	
Governance	
Capacity Building	

### 15. Assessment of the Periodic Reporting Exercise

### 15.1. Relevance of Periodic Reporting

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

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

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

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

#### 15.2. Use of Data

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

Revision of priorities/strategies/policies for the protection, management and conservation of heritage
Update of management plans
Fundraising
Awareness raising
Advocacy

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

Very Comprehensive

#### 15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff
Focal points of other international conventions/programmes
Responsible persons for local designated sites under other international conventions/ programmes
Local communities
Indigenous people
Non-Governmental Organizations

# **15.3.2 -** Has a gender balanced contribution and participation been considered in the filling out of this questionnaire? Gender balance is explicitly considered and effectively 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?

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

105 / 14 / 105 /

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

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

### 15.4. Format and content of the Periodic Report

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

Not all required information was accessible.

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

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

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

Less website glitch. Auto Save Feature.

#### 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)	Good
UNESCO National Commission	Good
ICOMOS International	Fair
IUCN International	Good
ICCROM international/regional	Fair
ICOMOS national/regional	Good
IUCN national/regional	Good

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

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Fair
National Commission for UNESCO	Good
ICOMOS International	Fair
ICCROM International/regional	Fair
ICOMOS national/regional	Good
IUCN national/regional	Good
IUCN International	Fair

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

Yes

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

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.