

Mapungubwe Cultural Landscape

1. World Heritage Property Data

1.1 - Name of World Heritage property

Mapungubwe Cultural Landscape

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Mapungubwe Cultural Landscape	-22.192 / 29.239	28168.66	104800	132968.66	2003
Total (ha)		28168.66	104800	132968.66	

Comment

22°14'24.17"S 29°24'28.94"E

1.4 - Map(s)

Title	Date	Link to source
Mapungubwe Cultural Landscape - map of inscribed property	2002	
Mapungubwe Cultural Landscape - minor boundary modification	2014	

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

2. [Mapungubwe Museum \(University of Pretoria\)](#)
3. [Mapungubwe: Home of the Golden Rhinoceros \(University of Pretoria\)](#)

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

No comments

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

No

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

No

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

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?

No

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

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

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

Poor Co-ordination of MAB.

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

No comments.

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

No

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

No comments.

3. Statement of Outstanding Universal Value

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

Statement of Outstanding Universal Value

Brief synthesis

The Mapungubwe Cultural Landscape demonstrates the rise and fall of the first indigenous kingdom in Southern Africa between 900 and 1,300 AD. The core area covers nearly 30,000 ha and is supported by a suggested buffer zone of around 100,000 ha. Within the collectively known Zhizo sites are the remains of three capitals - Schroda; Leopard's Kopje; and the final one located around Mapungubwe hill - and their satellite settlements and lands around the confluence of the Limpopo and the Shashe rivers whose fertility supported a large population within the kingdom.

Mapungubwe's position at the crossing of the north/south and east/west routes in southern Africa also enabled it to control trade, through the East African ports to India and China, and throughout southern Africa. From its hinterland it harvested gold and ivory - commodities in scarce supply elsewhere – and this brought it great wealth as displayed through imports such as Chinese porcelain and Persian glass beads.

This international trade also created a society that was closely linked to ideological adjustments, and changes in architecture and settlement planning. Until its demise at the end of the 13th century AD, Mapungubwe was the most important inland settlement in the African subcontinent and the cultural landscape contains a wealth of information in archaeological sites that records its development. The evidence reveals how trade increased and developed in a pattern influenced by an elite class with a sacred leadership where the king was secluded from the commoners located in the surrounding settlements.

Mapungubwe's demise was brought about by climatic change. During its final two millennia, periods of warmer and wetter conditions suitable for agriculture in the Limpopo/Shashe valley were interspersed with cooler and drier pulses. When rainfall decreased after 1300 AD, the land could no longer sustain a high population using traditional farming methods, and the inhabitants were obliged to disperse. Mapungubwe's position as a power base shifted north to Great Zimbabwe and, later, Khami.

The remains of this famous kingdom, when viewed against the present day fauna and flora, and the geo-morphological formations of the Limpopo/Shashe confluence, create an impressive cultural landscape of universal significance.

Criterion (ii): The Mapungubwe Cultural Landscape contains evidence for an important interchange of human values that led to far-reaching cultural and social changes in Southern Africa between AD 900 and 1300.

Criterion (iii): The remains in the Mapungubwe Cultural Landscape are a remarkably complete testimony to the growth and subsequent decline of the Mapungubwe State which at its height was the largest kingdom in the African subcontinent.

Criterion (iv): The establishment of Mapungubwe as a powerful state trading through the East African ports with Arabia and India was a significant stage in the history of the African sub-continent.

Criterion (v): The remains in the Mapungubwe cultural landscape graphically illustrate the impact of climate change and record the growth and then decline of the Kingdom of Mapungubwe as a clear record of a culture that became vulnerable to irreversible change.

Integrity

All remains of the main settlements are in the nominated property, as are all major phases of the Mapungubwe kingdoms' development and decline. The property contains substantial areas of virtually untouched cultural landscape of very high quality but, pending their decommissioning, these are separated by some areas of modern citrus plantations and circular irrigated agricultural fields in private ownership.

The considerable agricultural enterprise of the final phase at Mapungubwe has vanished. Although much of the core landscape has returned to its unimproved state with wild grazing game animals, the recent opening up of the property to big game, especially elephants needs to be considered, and is being monitored.

The Messina area is a rich mining area and the diamond mining operations at Riedel (small scale) and Venetia (major operation) could have a potential impact on the property. There is also a possibility that deposits of other valuable minerals may yet be found. With mining rights being recently returned to the State, better future control was anticipated but the granting of a mining licence for coal 5 km from the boundary of the property, in a highly sensitive area adjacent to the Limpopo river and in the proposed buffer zone that was submitted at the time of the inscription, is a considerable threat.

The integrity of the site has been affected by the standard of the excavations in the 1930s which it could be argued led to valuable evidence being lost – and thus the completeness of the site, in both physical and intellectual terms has been compromised.

Authenticity

The nominated property and buffer zone have largely not been subjected to any destructive form of human intervention since the remains were abandoned, and the current agricultural activities have not had a major impact on the cultural landscape in terms of its ability to convey its value. However there is a need to ensure that old excavations are not eroded by climatic forces or by uncontrolled visitors.

Protection and management requirements

The Mapungubwe site and the buffer zone are legally protected through the National Heritage Resources Act (No 25 of 1999), the World Heritage Convention Act (No 43 of 1999) and the National Environmental Management Act (No 73 of 1989).

The property is also recognized as a protected area in terms of the National Environmental Management Protected Areas, 2003 (Act 57 of 2003). This legislation implies that mining or prospecting will be completely prohibited from taking place within the property and the buffer zone. Furthermore, any development with a potential impact on the property will be subjected to an environmental impact assessment.

SANParks is the management authority for the property and provides overall management involving coordinating government and local community efforts to conserve the site. SANParks is currently updating the Integrated Management Plan. Regular consultative meetings with stakeholders and local communities take place on the site through the park forum and by other means of engagement.

A Trilateral Memorandum of Understanding is also being drawn up with the objective of establishing the Limpopo-Shashe Transfrontier Conservation Area (TFCA). This very extensive area of 5,040 km² will, when established, constitute an effective buffer zone. It is intended that each participating country will concentrate on one facet of protection: cultural heritage in South Africa; wildlife in Botswana; and living cultures in Zimbabwe.

To help guarantee long-term protection for the property there is a need to complete the Integrated Management Plan and to submit the buffer zone for approval by the World Heritage Committee.

There is also a need to ensure that any consideration of mining licenses is in line with the recommendations of the Technical Workshop on World Heritage and Mining adopted at the 24th session of the World Heritage Committee, to ensure that mining does not constitute a threat to the property, its buffer zone or its wider setting.

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	Mapungubwe Hill	✕			
3.2.2	K2		✕		
3.2.3	Zizho site	✕			
3.2.4	Riverine Forest		✕		
3.2.5	Rock Art	✕			
3.2.6	Baobab Trees		✕		
3.2.7	Leokwe Hill	✕			
3.2.8	Bambandhlanalo	✕			
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

State of Conservation is in relative good condition, drought and elephant impact on riverine forest and baobab trees are under research. K2 archaeological site requiring rehabilitation.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.1.2 - Commercial development

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.1.3 - Industrial areas

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

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

All factors contribute positively to the OUV's of the site through better guidance, interpretation and site preservation.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant				✕ Not relevant			
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4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

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

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

Tourism roads allows for viewing of the WHS and therefore awareness of the importance of this site.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

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

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

Relevant	✕ Not relevant
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4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.3.4 - Localised utilities

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.3.5 - Major linear utilities

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

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

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

Power lines and pumping stations do have a negative effect being visually intrusive, whilst some water infrastructure is positive in retaining visitor satisfaction and tourism opportunities.

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.4.2 - Ground water pollution

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.4.3 - Surface water pollution

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.4.4 - Air pollution

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.4.5 - Solid waste

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.4.6 - Input of excess energy

Previous answer Cycle 2 (01/10/2010):

- 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

No comments

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.5.2 - Aquaculture

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.5.3 - Land conversion

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside, Outside

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

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Negative, Current, Inside

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

4.5.5 - Crop production

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

4.5.8 - Commercial hunting

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

The use of resources can have a negative result only if not controlled, line fishing in the Limpopo from the communal inhabitants in Maramani (Zimbabwean) side exists for hundreds of years and should not have an impact. Net fishing should however be policed. Grazing of livestock is a phenomenon on the increase that can have a negative effect, but if implemented correctly it will be positive to involve and work with rural communities adjacent to the WHS.

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.6.2 - Quarrying

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

4.6.3 - Oil and gas

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant				✕ Not relevant			
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4.6.4 - Water (extraction)

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

Low scale Quarrying for maintenance of roads.

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

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

4.7.2 - Relative humidity

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.7.3 - Temperature

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

Relevant	✕ Not relevant
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4.7.4 - Radiation/Light

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

Relevant	✕ Not relevant
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4.7.5 - Dust

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

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

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

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

4.7.7 - Pests

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	✕ Not relevant
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4.7.8 - Micro-organisms

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

No comments






4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

Positive 							
Negative 							

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Outside

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

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside, Outside

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

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

No comments

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Outside

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

Negative							
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4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant	Not relevant
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4.9.3 - Military training

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.9.4 - War

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.9.5 - Terrorism

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.9.6 - Civil unrest

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

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

No comments

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Outside

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

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

4.10.2 - Flooding

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Outside

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

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














4.10.3 - Drought

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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


	Impact	Origin	Trend of impact
--	--------	--------	-----------------

Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 							

4.10.4 - Desertification

Previous answer Cycle 2 (01/10/2010):


- Not relevant

Relevant	 Not relevant
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4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.10.6 - Temperature change

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

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

No comments

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.11.2 - Earthquake

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (01/10/2010):

- Not relevant




















Relevant	 Not relevant
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4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

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

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

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

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

No comments.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (01/10/2010):

- Relevant, Negative, Current, Inside

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

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.12.6 - Modified genetic material

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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














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

No comments







4.13. Management and institutional factors

4.13.1 - Management system/Management plan

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

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

4.13.2 - Legal framework

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

4.13.3 - Governance

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

4.13.4 - Management activities

Previous answer Cycle 2 (01/10/2010):

- Not relevant

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

4.13.5 - Financial resources

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

4.13.6 - Human resources

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

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (01/10/2010):

- Relevant, Positive, Current, Inside

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

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (01/10/2010):

- Not relevant

Relevant

Not relevant

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

Research and monitoring is positive, but more can be initiated in future.

4.14. Other factor(s)

4.14.1 - Other factor(s)


















































No comments

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact		Origin		Trend	
4.1 Buildings and Development						
4.1.4 Major visitor accommodation and associated infrastructure						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
4.2.3 Air transport infrastructure						
4.2.5 Effects arising from use of transportation infrastructure						
4.3 Services Infrastructures						
4.3.1 Water infrastructure						
4.3.4 Localised utilities						
4.3.5 Major linear utilities						
4.5 Biological resource use/modification						
4.5.1 Fishing/collecting aquatic resources						
4.5.3 Land conversion						
4.5.4 Livestock farming/Grazing of domesticated animals						
4.5.5 Crop production						
4.5.7 Subsistence wild plant collection						



4.5.8 Commercial hunting	+	⚑		⊕		→
4.5.9 Subsistence hunting	+	⚑		⊕		→
4.6 Physical resource extraction						
4.6.1 Mining						
	-	⚑			↻	→
4.6.2 Quarrying	+	⚑		⊕		→
4.6.4 Water (extraction)	+	⚑		⊕		→
4.7 Local conditions affecting physical fabric						
4.7.1 Wind						
	-	⚑		⊕		→
4.7.5 Dust						
	-	⚑		⊕		→
4.7.6 Water (rain/water table)						
	-	⚑		⊕		→
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses	+	⚑		⊕		↗
4.8.2 Society's valuing of heritage	+	⚑		⊕	↻	↗
4.8.3 Indigenous hunting, gathering and collecting	+	⚑		⊕	↻	→
4.8.6 Impacts of tourism/Visitation/Recreation	+	⚑		⊕		→
4.9 Other human activities						
4.9.1 Illegal activities						
	-	⚑		⊕	↻	→
4.10 Climate change and severe weather events						
4.10.1 Storms						
	-	⚑		⊕	↻	→
4.10.2 Flooding	+	⚑		⊕	↻	→
	-	⚑		⊕	↻	→
4.10.3 Drought						
	-	⚑		⊕	↻	→
4.11 Sudden ecological or geological events						
4.11.5 Erosion and siltation/Deposition	+	⚑		⊕	↻	→
	-	⚑		⊕	↻	→
4.11.6 Fire (wildfire)						

						
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial species						
						
4.13 Management and institutional factors						
4.13.1 Management system/Management plan						
4.13.2 Legal framework						
4.13.3 Governance						
4.13.4 Management activities						
4.13.5 Financial resources						
4.13.6 Human resources						
						
4.13.7 Low impact research/monitoring activities						
						
Legend	 Current	 Potential	 Negative	 Positive	 Inside	 Outside

4.16. Assessment of current and potential positive and negative factors





4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name	Impact			Origin		Trend
4.1.4 Major visitor accommodation and associated infrastructure						

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

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

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	 		

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




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

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major



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

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

4.2 Transportation Infrastructure





Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	 		

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

Name	Impact			Origin		Trend
4.2.3 Air transport infrastructure						

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

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

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

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

4.3 Services Infrastructures

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

4.3.1 Water infrastructure						

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
	Static
	Increasing

Name	Impact			Origin		Trend
4.3.4 Localised utilities						

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
	Widespread




Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

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

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

Name	Impact			Origin		Trend
4.3.5 Major linear utilities						
						








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

4.5 Biological resource use/modification

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

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

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

Name	Impact	Origin	Trend
4.5.4 Livestock farming/Grazing of domesticated animals	 		
	 		

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

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

4.5.5 Crop production						

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
	Static
	Increasing

Name	Impact			Origin		Trend
4.5.7 Subsistence wild plant collection						

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

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

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

Name	Impact			Origin		Trend
4.5.8 Commercial hunting						

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





Name	Impact			Origin		Trend
4.5.9 Subsistence hunting						

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

4.6 Physical resource extraction

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

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

Name	Impact			Origin		Trend
4.6.2 Quarrying						

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





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

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




4.7 Local conditions affecting physical fabric

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

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

Name	Impact			Origin		Trend
4.7.5 Dust						
						

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

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

Spatial scale - Area affected by the factor

	Restricted
	Localised
✕	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

✕	Insignificant
	Minor
	Significant
	Major



Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing

4.8 Social/Cultural uses of heritage

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






Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact





	One off or rare
✕	Intermittent or sporadic

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

Name	Impact			Origin		Trend
4.8.2 Society's valuing of heritage						

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

	Static
✕	Increasing

Name	Impact	Origin	Trend
4.8.3 Indigenous hunting, gathering and collecting	 	 	

Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes






✕	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing

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

Spatial scale - Area affected by the factor




✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic

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





4.9 Other human activities

Name	Impact	Origin	Trend
4.9.1 Illegal activities			
			  







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

	Decreasing
✕	Static
	Increasing

4.10 Climate change and severe weather events






Name	Impact	Origin	Trend
4.10.1 Storms			
	 	 	

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

Name	Impact	Origin	Trend
4.10.2 Flooding	 	 	
	 	 	

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	











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

Name	Impact			Origin		Trend
4.10.3 Drought						
						




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

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

4.11 Sudden ecological or geological events

Name	Impact	Origin	Trend
4.11.5 Erosion and siltation/Deposition	 	 	
	 	 	




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

Name	Impact	Origin	Trend
4.11.6 Fire (wildfire)			
	 	 	

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

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





4.12 Invasive/alien species or hyper-abundant species

Name	Impact	Origin	Trend
4.12.2 Invasive/Alien terrestrial species			
			

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

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

4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	 		

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes




	Insignificant
	Minor
	Significant
✕	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years





	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.13.2 Legal framework	 		

Spatial scale - Area affected by the factor





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

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

Name	Impact			Origin		Trend
4.13.3 Governance						

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

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

Name	Impact	Origin	Trend
4.13.4 Management activities	 		

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes





	Insignificant
	Minor
	Significant
✕	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years



	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.5 Financial resources	 		

Spatial scale - Area affected by the factor







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

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

Name	Impact			Origin		Trend
4.13.6 Human resources						
						

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

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

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	 	 	
	 		

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

4.17. Serial inscriptions (national or transnational)

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

No comments

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	Mapungubwe Hill	✗			
4.18.1.2	K2	✗			
4.18.1.3	Zizho site	✗			
4.18.1.4	Leokwe Hill	✗			
4.18.1.5	Bambandhlalalo	✗			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

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

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

No comments

5.2. Protective Measures

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

The nominated property is protected by overlapping legislation. The 1976 National Parks Act provides stringent controls over all forms of human intervention in designated areas. This currently applies only to the three gazetted areas of Den Staat, Greefswald, and Reidel, but when the Vhembe-Dongola National Park is created the whole area will be protected. All interventions within the Park must be submitted to the government agency, South Africa National Parks (SANParks), for scrutiny and, where appropriate, authorization.

Legislation has been prepared to complete the designation procedure. This is before parliament at the present time and will be completed in the coming session.

The Mapungubwe, K2, Schroda, and Little Muck (Leokwe Hill) are protected by the 1999 National Heritage Resources Act. All interventions are subject to authorization by the South African Heritage Resources Agency (SAHRA). Details of the considerable protection afforded by this statute are set out in the nomination dossier. It is intended to extend protection under this act to the entire area in the near future.

In the event of the of the Mapungubwe cultural landscape being inscribed, it will come within the provisions of the 1999 World Heritage Conservation Act, which imposes an additional level of protection.

Independent environmental impact assessment is a mandatory component of these statutes. This requirement is reinforced by the provisions of the 1998 National Environment Management Act, which relates to all development or rezoning proposals.

Source: ICOMOS Evaluation

Comment

The Mapungubwe site and the buffer zone are legally protected through the National Heritage Resources Act (Act No. 25 of 1999), the World Heritage Convention Act (Act No. 43 of 1999) and the National Environmental Management Act (Act No. 107 of 1998). The property is also recognized as a protected area in terms of the NEM: PAA (Act No. 57 of 2003).

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

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

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

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

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

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

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

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

There is **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

No comments

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

No comments

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.

<input type="checkbox"/>	A statutory Management Plan or zoning plan for the property.
<input type="checkbox"/>	Other forms of statutory or non-statutory plans (e.g. strategic plans)
<input type="checkbox"/>	Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property
<input type="checkbox"/>	Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management
<input type="checkbox"/>	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
<input type="checkbox"/>	A framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property
<input type="checkbox"/>	A code of practice developed by local communities or other groups
<input type="checkbox"/>	An integrated management plan combining World Heritage and any other designations
<input type="checkbox"/>	A management plan
<input type="checkbox"/>	An annual work plan or business plan
<input type="checkbox"/>	A disaster, climate or conflict risk management plan
<input type="checkbox"/>	A visitor/visitation management plan
<input type="checkbox"/>	An environmental management framework
<input type="checkbox"/>	A joint approach to management of cultural and natural heritage

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

The site gets managed according to an approved Integrated Management Plan.

5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Site Management Plans for key cultural heritage sites in the Mapungubwe Cultural Landscape	In Force	Available	2003	

Comment

Mapungubwe Cultural Landscape Integrated Management Plan (2019-2029)

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

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

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

No comments

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

No use has been made of the World Heritage Policy for Climate Change

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

No comments

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

Some 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

In process of completing a disaster management plan.

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 **adequate coordination** between all bodies/levels involved in the management of the property

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

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

5.3.13 - Is the management system being implemented?

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

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

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

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

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities					×
5.3.15.2	Local authorities					×
5.3.15.3	Landowners in the property and the buffer zone					×
5.3.15.4	Indigenous peoples					×
5.3.15.5	Women					×
5.3.15.6	Other specific groups					×
	If you selected, 'Other specific groups' please specify	Youth				

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

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

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

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality				×	
5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)			×		

5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status					×
5.3.17.4	The management system of the property integrates a human rights-based approach					×
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood				×	
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property				×	

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

No comments

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

No comments

6. Financial and Human Resources

6.1. Funding

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

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	39 %	17 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	0 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	1 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	80 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	3 %
6.1.1.12	Other	60 %	0 %
		Total 100 %	Total 100 %

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

No comments.

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 both the medium- and long-term**

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

No comments.

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	43 %	70 %
6.1.6.2	Women	57 %	30 %
		Total 100 %	Total 100 %

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

Human resources are **inadequate** 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	Fair
--------------	------

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

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

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

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

Some 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.

Staff participated in training organised by UNESCO partners such as ICCROM.

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

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

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

No comments.

7. Scientific Studies and Research Projects

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

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

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

There is **considerable research** but it is **not directed towards management needs and/or improving understanding of Outstanding Universal Value**

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

Research results **are shared** 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

No comments.

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

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

There is a planned education and awareness programme for children and/or youth **but it only partly meets the needs**

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

Local communities
Indigenous peoples
Women
Youth/children
Researchers
Local Visitors
National/international tourists
Tourism industry

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

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

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

No comments.

9. Visitor Management

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

40151 / 35268 / 36291 / 30858 / 29259 /

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

Entry tickets and registries

Accommodation establishments

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

Overnight stay

9.4 - Please provide the source of information

SANParks Roomseeker booking system.

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

15.11 / 1.55 / 0.00 / 2.95 / 2.52 / 0.04 /

9.6 - Please provide the source of information

SANParks Great Plains Financial system.

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

No comments

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, using a different system

If a different system, please specify

SANParks Customer Survey

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

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

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

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

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

In **many locations** and **easily visible** to visitors

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

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

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Tour de Tuli, Wildrun

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

Yes

If 'Yes', please specify

Percentage

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

No comments.

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 **small amount of monitoring**, but it is not planned

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

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

No comments.

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

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

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

Implementation is underway

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

The property has been reporting to the World Heritage Committee through the State of Conservation reporting process.

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

A monitoring system exists and overseen by the national department.

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.3	Management System/Management Plan	
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	×
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	×
5.3.13	The management system at the property is only being partially implemented	
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does provide ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants) 	×

6.1	Funding
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property
6.1.7	Human resources are inadequate for the management needs of the World Heritage property
6.1.10	Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff
7	Scientific Studies and Research Projects
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value
8	Education, Information and Awareness Building
8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the needs
9	Visitor Management
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made
10	Monitoring
10.1	There is a small amount of monitoring at the World Heritage property, but it is not planned

Please select 2 more issues.

☒ Please save this question to reflect changes

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.3	Services Infrastructures							
4.3.1		Water infrastructure						
4.3.5	Major linear utilities	2, 3, 4 & 5	Prevent new infrastructure	Normal operational patrols	On-going	SANParks	No threat to OUV from existing infrastructure.	
4.5	Biological resource use/modification							
4.5.1		Fishing/collecting aquatic resources						
4.5.3		Land conversion						
4.5.4	Livestock farming/Grazing of domesticated animals	No Criteria impacted on	Co-ordination with local communities, herding for health and creating acceptable standards of grazing.	Normal operational patrols	On-going	SANParks	No threat to OUV from grazing.	
4.5.5	Crop production	No Criteria impacted on	Co-ordination with local communities, establishing norms of sustainable agriculture.	By established Land Forum	On-going	SANParks & Partners	No threat to OUV from crop farming.	
4.6	Physical resource extraction							
4.6.1	Mining	No Criteria impacted on	Participate in EIA's as well as environmental management forums.	Registering as interested and affected parties.	On-going	SANParks	No threats identified.	
4.7	Local conditions affecting physical fabric							
4.7.1		Wind						

4.10	Climate change and severe weather events						
4.10.3	Drought	No Criteria impacted on.	Build database of environmental statistics.	Evaluate data to assist with possible trends and future predictions.	Annually	SANParks	No threats identified
4.13	Management and institutional factors						
4.13.6	Human resources	No Criteria impacted on.	Expanding of Human Resource structure.	New positions created and filled.	As per identified.	SANParks.	No threats identified.

Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3	Management System/Management Plan				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	Study the relevant documents and identify areas where it can be included in the SANParks climate change framework within the IMP.	March 2021	SANParks	Include if not covered within IMP.
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	Complete Disaster Management Plan.	October 2020	SANParks.	Update IMP current Disaster Management plan with new format.
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does provide ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants) 	Develop SOP for Mopanie worm harvesting.	October 2020.	SANParks.	Implementation according to SOP.

6.1	Funding				
6.1.7	Human resources are inadequate for the management needs of the World Heritage property	Expanding of Human Resource structure.	As per identified.	SANParks.	No threats identified.
6.1.10	Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Identify possibilities and arrange capacity building initiatives accordingly.	On-going.	SANParks.	Need to tap into opportunities.

8	Education, Information and Awareness Building				
8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the	Revise and re-print educational material to include narratives acceptable to all communities.	February 2021	SANParks.	In process of revising materials.

	needs				
9	Visitor Management				
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	Revise the narratives within the IC centre and implement training of officers and guides.	March 2021	SANParks.	Process of upgrading IC centre in process.
10	Monitoring				
10.1	There is a small amount of monitoring at the World Heritage property, but it is not planned	Develop and implement effective monitoring plans.	October 2020	SANParks.	Monitoring takes place but a need of revising current schedules and practices.
Summary - Management Needs completed					

12.3. Conclusions on the State of Conservation of the Property

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

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

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

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

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

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

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

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

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

No comments

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

Gender equality	No impact
Provision of ecosystem services/ benefits to local communities	No impact
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	No impact
Fostering inclusive local economic development and enhancing livelihood	No impact
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	No impact
Other	Not applicable
If 'Other', please specify	

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

No comments.

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

In conjunction with land claimant communities develop an framework towards sustainable agriculture practice within the landscape, benefiting the community through social economic development whilst protecting the OUV"s and future existence of the property as a WHS.

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

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

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

15.2. Use of Data

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

Awareness raising
Advocacy

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

No comments.

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
Local communities
Indigenous people

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

Gender balance has been **given limited consideration** and implementation is in process.

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

Yes

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

15 / 8 / 8 /

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?

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

No comments.

15.5. Training and Guidance

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

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

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

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

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

Yes

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

No comments.

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

- **Geographic information table**

Reason for update: 22°14'24.17"S 29°24'28.94"E

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

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

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

No comments.

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