Archaeological Sites of the Island of Meroe

1. World Heritage Property Data

1.1 - Name of World Heritage property

Archaeological Sites of the Island of Meroe

1.2 - World Heritage property details

1.3 - Geographic information table

| Name | Coordinates | Property (ha) | Buffer zone (ha) | Total (ha) | Inscription year |
|---------------------|-----------------|---------------|------------------|------------|------------------|
| Meroe 1 | 16.933 / 33.717 | 612.551 | 1718.031 | 2330.582 | 2011 |
| Meroe 2 | 16.933 / 33.75 | 674.904 | ? | 674.904 | 2011 |
| Musawwarat es-Sufra | 16.417 / 33.333 | 836.57 | 2653.64 | 3490.21 | 2011 |
| Naqa | 16.271 / 33.279 | 231.852 | 9509.92 | 9741.772 | 2011 |
| Total (ha) | | 2355.877 | 13881.591 | 16237.468 | |

1.4 - Map(s)

| Title | Date | Link to source |
|--|------|----------------|
| Archaeological Sites of the Island of Meroe - inscribed property | 2011 | |

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

Comment

Meroe Visitor Centre is a you tube Chanel and facebook page serving the site

- 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) is not 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

Sudan prepared all the necessary documents regarding the second protocol of Hague Convention so as to be ratified by the new government.

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?

Yes

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

Not applicable

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

Not applicable

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

Not applicable

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

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

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

Non

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

No

2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the Intangible Cultural Heritage of which you are aware

Non

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

Not aware

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

Non

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 Island of Meroe is the heartland of the Kingdom of Kush, a major power in the ancient world from the 8th century BCE to the 4th century CE. Meroe became the principal residence of the rulers, and from the 3rd century BCE onwards it was the site of most royal burials.

The property consists of three separate site components, Meroe, the capital, which includes the town and cemetery site, and Musawwarat es-Sufra and Naqa, two associated settlements and religious centres. The Meroe cemetery, Musawwarat es-Sufra, and Naqa are located in a semi-desert, set against reddish-brown hills and contrasting with the green bushes that cover them, whilst the Meroe town site is part of a riverine landscape.

These three sites comprise the best preserved relics of the Kingdom of Kush, encompassing a wide range of architectural forms, including pyramids, temples, palaces, and industrial areas that shaped the political, religious, social, artistic and technological scene of the Middle and Northern Nile Valley for more than 1000 years (8th century BC-4th century AD). These architectural structures, the applied iconography and evidence of production and trade, including ceramics and iron-works, testify to the wealth and power of the Kushite State. The water reservoirs in addition contribute to the understanding of the palaeoclimate and hydrological regime in the area in the later centuries BCE and the first few centuries CE.

Criterion (ii): The Archaeological Sites of the Island of Meroe reflect the interchange of ideas and contact between Sub-Saharan Africa and the Mediterranean and Middle Eastern worlds, along a major trade corridor over a very long period of time. The interaction of local and foreign influences is demonstrated by the preserved architectural remains and their iconography.

Criterion (iii): The property with its wide range of monument types, well preserved buildings, and potential for future excavation and research, contributes an exceptional testimony to the wealth and power of the former Kushite state and its extensive contacts with African, Mediterranean and Middle Eastern societies. The Kushite civilization was largely expunged by the arrival of Christianity on the Middle Nile in the 6th century CE.

Criterion (iv): The pyramids at Meroe are outstanding examples of Kushite funerary monuments, which illustrate the association with the well preserved remains of the urban centre of the Kushite capital city, Meroe. The architectural remains at the three site components illustrate the juxtaposition of structural and decorative elements from Pharaonic Egypt, Greece, and Rome as well as from Kush itself, and through this represent a significant reference of early exchange and diffusion of styles and technologies.

Criterion (v): The major centres of human activity far from the Nile at Musawwarat and Naqa raise questions as to their viability in what is today an arid zone devoid of permanent human settlement. They offer the possibility, through a detailed study of the palaeoclimate, flora, and fauna, of understanding the interaction of the Kushites with their desert hinterland.

Integrity

The three site components selected represent the capital city of the Kushite kingdom, Meroe, with its associated extensive burial grounds of pyramid tombs, and the kingdom's two largest hinterland centres, Musawwarat es-Sufra and Naqa. Together they provide evidence of the size, and influence of the Kushite civilization at the height of power.

Although many features of the site have deteriorated over the course of time, including the collapse of several pyramid tombs, inappropriate interventions which reduced the integrity of the site have not occurred since the treasure hunting of Ferlini in the 1830s, which was very deleterious to some of the pyramids in the Meroe cemeteries. The main north-south highway linking Khartoum and Port Sudan, which separated the two parts of the Meroe site has negative visual and auditory impact on the integrity of the property, as does the line of high voltage power transmission along its route.

Authenticity

Although at large the authenticity in terms of the attributes of material, design and substance is acceptable, conservation works at several temples and pyramids were based on large-scale reconstructions, including introduction of new materials, or anastylosis, which affected the authenticity of these features. However, considering the overall number of significant features on-site, the percentage of reconstructed or reassembled structures is comparatively small and does not impact on a general conception of authenticity.

At the site component of Meroe, archaeological research activities, primarily by foreign scholars since the late 19th century, have left large spoil heaps, which impact adversely on the authenticity of the setting.

Protection and management requirements

The property is protected under the provisions of article 13 (5) of the Interim Constitution of the Republic of Sudan of 2005, and under the Antiquities Protection Ordinance of 1905, amended in 1952 and most recently in 1999, which confers it the status of national monument. It is also protected by Presidential Decree (no. 162 of 2003) which established a natural reserve around the site and established the management committee. The reserve declared under this Decree encompasses the three site components and their complete buffer zones.

Although formally managed by a Committee involving a variety of stakeholders, the property is factually managed by the National Corporation of Antiquities and Museums (NCAM), which involves a field work section responsible for site supervision and coordination of the foreign archaeological missions. A technical office for supervision is located at Shendi, about 40km from Meroe and 60 km from Musawwarat es-Sufra and Naqa, where a resident site manager has been appointed. Security guards and police men supervise the property on a daily basis.

To ensure the requirement of a shared overarching management authority for serial properties, a management committee has been established and a chairperson appointed. Following the management plan drafted and approved in 2009, this management committee shall be supported by an executive World Heritage Site management team, which will oversee the implementation of the management plan strategies and actions. Financial provisions and staff are essential for the establishment of this team and the implementation of the management plan. As part of the future implementation of the management plan, it is necessary to develop conservation approaches based on best practice to avoid repeating some of the less fortunate techniques and methods used in the past.

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 | The aeshetic charismatic | × | | | |
| 3.2.2 | exhibit an important interchange of human values | × | | | |

| 3.2.3 | bear an exceptional testimony to a cultural tradition | × | | |
|--------|--|---|--|--|
| 3.2.4 | an outstanding example of a type of building | × | | |
| 3.2.5 | an outstanding example of a traditional human settlement | × | | |
| 3.2.6 | integrity and authenticity | × | | |
| 3.2.7 | | | | |
| 3.2.8 | | | | |
| 3.2.9 | | | | |
| 3.2.10 | | | | |
| 3.2.11 | | | | |
| 3.2.12 | | | | |
| 3.2.13 | | | | |
| 3.2.14 | | | | |
| 3.2.15 | | | | |

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

The Island of Meroe is the heartland of the Kingdom of Kush, a major power in the ancient world. It has evidence for industrial activities, particularly iron-working. Naqa has important implications for understanding the palaeoclimate and hydrological regime in the area in the later centuries BCE and the first few centuries CE. Musawwarat es-Sufra is a religious complex that, along with Naqa, raises the question of how it functioned in what is today a very arid environment.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

| ★ Relevant | | | | Not relevant | | | |
|--------------|---------|-----------|--------|----------------|---------------------|-----------------|------------|
| | Impact | Impact | | Origin | | Trend of impact | |
| Impact | Current | Potential | Inside | Outside | ▶ Decreasing | ⇒ Stable | Increasing |
| O Positive X | | × | | | | | - |
| Negative X | | × | | | | | |

4.1.2 - Commercial development

Relevant X Not relevant

4.1.3 - Industrial areas

Relevant X Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure

| × Relevant | Not relevant | | | | | | |
|--------------|--------------|-----------|----------|------------------|---------------------|----------|------------|
| | Impact Orig | | Origin | | Trend of impact | | |
| Impact | Current | Potential | • Inside | © Outside | № Decreasing | → Stable | Increasing |
| O Positive | | | | | | | |
| ○ Negative X | | × | | | S | | |

4.1.5 - Interpretative and visitation facilities

| ≭ Relevant | | Not relevant | | | | | |
|-------------------|---------|--------------|----------|----------------|---------------------|----------|------------|
| | Impact | | Origin | | Trend of impact | | |
| Impact | Current | Potential | • Inside | Outside | ▶ Decreasing | ⇒ Stable | Increasing |
| O 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

Positively we managed to built a visitor centre at Meroe serving the site together with anew entrance to the pyramids site providing information for the visitors. This work on the infrastructures will continue to include such facilities at Meroe , Naga and Musawarat.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

| Relevant | ✗ Not relevant |
|--|----------------|
| 4.2.2 - Underground transport infrastructure | |
| Relevant | ✗ Not relevant |
| 4.2.3 - Air transport infrastructure | |
| Relevant | ✗ Not relevant |
| 4.2.4 - Marine transport infrastructure | |
| Relevant | ✗ Not relevant |
| AOF Effects solving from the of the constant in the forest | |

4.2.5 - Effects arising from use of transportation infrastructure

| X Relevant | Not relevant | | | | | | |
|------------|--------------|-----------|--------|----------------|---------------------|----------|------------|
| | Impact | | Origin | | Trend of impact | | |
| Impact | Current | Potential | Inside | Outside | ▶ Decreasing | → Stable | Increasing |
| O Positive | | | | | | | |
| Negative X | × | × | | | | → | |

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

Non

4.3. Services Infrastructures

4.3.1 - Water infrastructure

| X Relevant | Not relevant | | | | | | |
|-------------------|--------------|-----------|--------|-----------|---------------------|---------------|------------|
| | Impact | | Origin | | Trend of impact | | |
| Impact | Current | Potential | Inside | © Outside | ▶ Decreasing | → Stable | Increasing |
| Positive X | | × | | × | | \rightarrow | |
| Negative | | | | | | | |

4.3.2 - Renewable energy facilities

| Relevant | X Not relevant |
|----------|----------------|
| | |

4.3.3 - Non-renewable energy facilities

| 4.3.4 - Localised utilities | |
|-----------------------------|--|

× Not relevant

× Not relevant

4.3.5 - Major linear utilities

Relevant

Relevant

| X Relevant | | | Not relevant | | | | |
|--------------|---------------|-----------|--------------|-----------|---------------------|-----------------|------------|
| | Impact Origin | | Origin | Origin Tr | | Trend of impact | |
| Impact | Current | Potential | Inside | Outside | → Decreasing | ⇒ Stable | Increasing |
| Positive | | | | | | | |
| ○ Negative X | × | | × | | | → | |

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

High tension electricity lines are crossing the property and have visual impact. Efforts are are dine to deviate the route of the lines out side the buffer zone. Moreover, the pipe line is hidden.

4.4. Pollution

4.4.1 - Pollution of marine waters

| 4.4.1 - I Ollution of marine waters | |
|-------------------------------------|----------------|
| Relevant | X Not relevant |
| 4.4.2 - Ground water pollution | |
| Relevant | X Not relevant |
| 4.4.3 - Surface water pollution | |
| Relevant | X Not relevant |
| 4.4.4 - Air pollution | |
| Relevant | X Not relevant |
| 4.4.5 - Solid waste | |
| Relevant | X Not relevant |
| 4.4.6 - Input of excess energy | |

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

× Not relevant

Non

Relevant

4.5. Biological resource use/modification

| 4.5. Biological resource use/modification | |
|---|----------------|
| 4.5.1 - Fishing/collecting aquatic resources | |
| Relevant | X Not relevant |
| 4.5.2 - Aquaculture | |
| Relevant | ✗ Not relevant |
| 4.5.3 - Land conversion | |
| Relevant | ✗ Not relevant |
| 4.5.4 - Livestock farming/Grazing of domesticated animals | s |
| Relevant | ✗ Not relevant |
| 4.5.5 - Crop production | |
| Relevant | ✗ Not relevant |
| 4.5.6 - Commercial wild plant collection | |
| Relevant | ✗ Not relevant |
| 4.5.7 - Subsistence wild plant collection | |
| Relevant | ✗ Not relevant |
| 4.5.8 - Commercial hunting | |
| Relevant | X Not relevant |
| 4.5.9 - Subsistence hunting | |

× Not relevant

× Not relevant

4.5.10 - Forestry/Wood production

Relevant

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

Non

4.6. Physical resource extraction

4.6.1 - Mining

| Relevant | X Not relevant |
|----------------------------|----------------|
| 4.6.2 - Quarrying | |
| Relevant | X Not relevant |
| 4.6.3 - Oil and gas | |
| Relevant | X Not relevant |
| 4.6.4 - Water (extraction) | |

| Relev | ant | ✗ Not relevant |
|---------|--------------|---|
| | • | selected as relevant in 4.6 are affecting the property either negatively or |
| positiv | <i>r</i> ely | |

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

| × Relevant | | | | Not relevant | | | |
|------------|---------|-----------|--------------------------|--------------|---------------------|----------|------------|
| | Impact | | Origin | | Trend of impact | | |
| Impact | Current | Potential | Inside | © Outside | ▶ Decreasing | ⇒ Stable | Increasing |
| O Positive | | | | | | | |
| Negative X | × | | × | | | | 7 |

4.7.2 - Relative humidity

| Relevant | X Not relevant |
|----------|----------------|
|----------|----------------|

4.7.3 - Temperature

| Relevant | X Not relevant |
|----------|----------------|
|----------|----------------|

4.7.4 - Radiation/Light

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

4.7.5 - Dust

| ≭ Relevant | | | 1 | Not relevant | | | |
|-------------------|---------------|-----------|--------------------------|------------------------|---------------------|----------|------------|
| | Impact Origin | | Origin | Origin Trend of impact | | | |
| Impact | Current | Potential | Inside | Outside | ▶ Decreasing | → Stable | Increasing |
| O Positive | | | | | | | |
| ○ Negative X | × | | × | | | | 7 |

4.7.6 - Water (rain/water table)

| X Relevant | | | | Not relevant | | | | | |
|------------|---------------|-----------|--------------------------|------------------------|---------------------|----------|------------|--|--|
| | Impact Origin | | | Origin Trend of impact | | | | | |
| Impact | Current | Potential | Inside | C Outside | ▶ Decreasing | → Stable | Increasing | | |
| O Positive | | | | | | | | | |
| Negative X | × | | × | | | | 7 | | |

4.7.7 - Pests

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

4.7.8 - Micro-organisms

| × Relevant | | | 1 | Not relevant | | | |
|----------------------------|---------|-----------|--------------------------|--------------|---------------------|----------|------------|
| | Impact | | Origin | | Trend of impact | | |
| Impact | Current | Potential | Inside | Outside | ▶ Decreasing | → Stable | Increasing |
| Positive | | | | | | | |
| ○ Negative X | × | | × | | | → | |

4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

The use of sand stone in all building of the property is affected negatively by the climate changes (wind abrasion and seasonal rains). There are clear increase in rain during the last years, and the sites are located in a semi desert environment surrounded with sand dunes. All these factors are the main reason for the erosion of the sand stone

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

| Relevant | X Not relevant | | | | |
|--|----------------|--|--|--|--|
| 4.8.2 - Society's valuing of heritage | | | | | |
| Relevant | X Not relevant | | | | |
| 4.8.3 - Indigenous hunting, gathering and collecting | | | | | |
| Relevant | X Not relevant | | | | |
| 4.8.4 - Changes in traditional ways of life and knowledge system | | | | | |

| vant | ✗ Not relevant |
|------|----------------|
|------|----------------|

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

| Relevant | X Not relevant |
|----------|----------------|
|----------|----------------|

4.8.6 - Impacts of tourism/Visitation/Recreation

| ≭ Relevant | | | | Not relevant | | | |
|-------------------|---------|-----------|--------|--------------|---------------------|----------|------------|
| | Impact | | Origin | | Trend of impact | | |
| Impact | Current | Potential | Inside | © Outside | → Decreasing | → Stable | Increasing |
| O Positive | | | | | | | |
| Negative X | | × | × | | | | / |

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

Visitors number are clearly increasing and that may affect the site in different negative ways as everywhere. However, a sustainable truism management for the Island including Regional Approach to the Island of Meroe Cultural Site Research and Management : dcomer@culturalsite.com. done within the framework of the Qatar Sudan Project.

4.9. Other human activities

4.9.1 - Illegal activities

| Relevant X Not relevant | |
|-------------------------|--|
|-------------------------|--|

4.9.2 - Deliberate destruction of heritage

| × Relevant | | | | Not relevant | | | |
|------------|---------|-----------|--------------------------|------------------|---------------------|----------|------------|
| | Impact | | Origin | | Trend of impact | | |
| Impact | Current | Potential | Inside | © Outside | → Decreasing | → Stable | Increasing |
| Positive | | | | | | | |
| | × | | × | | | | P |

4.9.3 - Military training

| Relevant | X Not relevant |
|----------|----------------|
| | |

4.9.4 - War

Relevant × Not relevant 4.9.5 - Terrorism

Relevant

× Not relevant

4.9.6 - Civil unrest

Relevant × Not relevant

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

Graffiti is the main factor affecting the property in negative way (done by early travellers and current visitors).

4.10. Climate change and severe weather events

4.10.1 - Storms

Relevant × Not relevant

4.10.2 - Flooding

Relevant × Not relevant

4.10.3 - Drought

Relevant × Not relevant

4.10.4 - Desertification

| × Relevant | | | 1 | Not relevant | | | | |
|--------------|------------------|-----------|--------|--------------|---------------------|----------|------------|--|
| | Impact Origin | | | | Trend of impact | npact | | |
| Impact | G Current | Potential | Inside | © Outside | → Decreasing | → Stable | Increasing | |
| O Positive | | | | | | | | |
| ○ Negative X | × | | × | | > | | | |

4.10.5 - Changes to oceanic waters

× Not relevant

4.10.6 - Temperature change

Relevant × Not relevant

4.10.7 - Other climate change impacts

Relevant × Not relevant

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

Non

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Relevant × Not relevant

4.11.2 - Earthquake

Relevant × Not relevant

4.11.3 - Tsunami/Tidal wave

Relevant × Not relevant

4.11.4 - Avalanche/Landslide

Relevant × Not relevant

4.11.5 - Erosion and siltation/Deposition

Not relevant × Relevant

| | Impact | | Origin | | Trend of impact | | |
|----------------------------|---------|-----------|--------------------------|----------------|---------------------|----------|------------|
| Impact | Current | Potential | Inside | Outside | ♦ Decreasing | → Stable | Increasing |
| Positive | | | | | | | |
| | × | | × | | S | | |

4.11.6 - Fire (wildfire)

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

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

Non

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

| Relevant | X Not relevant |
|---|----------------|
| 4.12.2 - Invasive/Alien terrestrial species | |
| Relevant | X Not relevant |
| 4.12.3 - Invasive/Alien freshwater species | |
| Relevant | ¥ Not relevant |
| 4.12.4 - Invasive/Alien marine species | |
| Relevant | X Not relevant |
| 4.12.5 - Hyper-abundant species | |
| Relevant | X Not relevant |
| 4.12.6 - Modified genetic material | |

Relevant

× Not relevant 4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or

positively Non

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

| X Relevant | | | | Not relevant | | | | | |
|------------|---------|-----------|--------|----------------|---------------------|----------|------------|--|--|
| | Impact | | Origin | | Trend of impact | | | | |
| Impact | Current | Potential | Inside | Outside | ▶ Decreasing | → Stable | Increasing | | |
| Positive X | × | | × | × | | | , | | |
| Negative | | | | | | | | | |

4.13.2 - Legal framework

| Relevant | X Not relevant |
|----------|----------------|
|----------|----------------|

4.13.3 - Governance

| Relevant | X Not relevant |
|----------|----------------|
|----------|----------------|

4.13.4 - Management activities

| X Relevant | | | | Not relevant | | | | | |
|------------|---------|-----------|--------|------------------|---------------------|----------|------------|--|--|
| | Impact | | Origin | | Trend of impact | | | | |
| Impact | Current | Potential | Inside | G Outside | ™ Decreasing | → Stable | Increasing | | |
| Positive X | × | × | × | × | | | 1 | | |
| Negative | | | | | | | | | |

4.13.5 - Financial resources

| × Relevant | | | | Not relevant | | | | | |
|--------------|---------|-----------|----------|------------------|---------------------|---------------|------------|--|--|
| | Impact | | Origin | | Trend of impact | | | | |
| Impact | Current | Potential | • Inside | © Outside | → Decreasing | ⇒ Stable | Increasing | | |
| O Positive X | × | | | | | \rightarrow | | | |
| Negative | | | | | | | | | |

4.13.6 - Human resources

| X Relevant | | | | Not relevant | | | | | |
|--------------|---------|-----------|----------|----------------|---------------------|----------|------------|--|--|
| | Impact | | Origin | | Trend of impact | | | | |
| Impact | Current | Potential | • Inside | Outside | → Decreasing | → Stable | Increasing | | |
| O Positive X | | × | × | | S | | | | |
| Negative | | | | | | | | | |

4.13.7 - Low impact research/monitoring activities

| X Relevant | | | | Not relevant | | | | | |
|--------------|---------|-----------|--------|------------------|---------------------|----------|------------|--|--|
| | Impact | | Origin | | Trend of impact | | | | |
| Impact | Current | Potential | Inside | © Outside | → Decreasing | → Stable | Increasing | | |
| O Positive X | × | × | × | × | | | • | | |
| Negative | | | | | | | | | |

4.13.8 - High impact research/monitoring activities

| | | Relevant | X 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

Managing the site need human resources and that will be provided hopefully soon

4.14. Other factor(s)

4.14.1 - Other factor(s)

Non

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

| Name | Impact | t | | Origin | | Trend |
|---|--------|---|---|--------|---|----------|
| 4.1 Buildings and Development | | | | | | |
| 4.1.1 Housing | • | | 9 | | | 1 |
| | | | 9 | | | |
| 4.1.4 Major visitor accommodation and associated infrastructure | | | | | | |
| | | | 9 | | | • |
| 4.1.5 Interpretative and visitation facilities | • | q | 9 | | Œ | / |
| | | | | | | |
| 4.2 Transportation Infrastructure | | | | | | |
| 4.2.5 Effects arising from use of transportation infrastructure | | | | | | |
| | | 9 | 9 | | | → |
| 4.3 Services Infrastructures | | | | | | |
| 4.3.1 Water infrastructure | 0 | | 9 | | Œ | → |
| | | | | | | |

| 4.3.5 Major linear utilities | | | | | q | | • | | → | |
|---|-----------|----------|----------|------------------------|----------|---|----------|----------|---------------|--|
| 4.7 Local conditions affecting physical fab | oric | | | | • | | 4 | | | |
| 4.7.1 Wind | | | | | | | | | | |
| | | | | | P | | • | | 7 | |
| 4.7.5 Dust | | | | | | | | | | |
| | | | | | eq. | | @ | | <i>p</i> | |
| 4.7.6 Water (rain/water table) | | | | | | | | | | |
| | | | | | q | | @ | | 7 | |
| 4.7.8 Micro-organisms | | | | | | | | | | |
| | | | | | q | | @ | | → | |
| 4.8 Social/Cultural uses of heritage | | | | | | | | | | |
| 4.8.6 Impacts of tourism/Visitation/Recreat | tion | | | | | | | | | |
| | | | | | | 9 | @ | | 7 | |
| 4.9 Other human activities | | | | | | | | | | |
| 4.9.2 Deliberate destruction of heritage | | | | | | | | | | |
| | | | | | q | | @ | | 7 | |
| 4.10 Climate change and severe weather e | vents | | | | | | | | | |
| 4.10.4 Desertification | | | | | | | | | | |
| | | | | | P | | @ | | S | |
| 4.11 Sudden ecological or geological even | nts | | | | | | | | | |
| 4.11.5 Erosion and siltation/Deposition | | | | | | | | | | |
| | | | | | P | | • | | S | |
| 4.13 Management and institutional factors | | | | | | | | | | |
| 4.13.1 Management system/Management p | olan | | | O | q | | • | G | <i>P</i> | |
| | | | | | | | | | | |
| 4.13.4 Management activities | | | | O | A | 9 | • | G | P | |
| | | | | | | | | | | |
| 4.13.5 Financial resources | | | | O | P | | | | \rightarrow | |
| | | | | | | | | | | |
| 4.13.6 Human resources | | | | O | | 9 | • | | S | |
| | | | | | | | | | | |
| 4.13.7 Low impact research/monitoring act | tivities | | | O | q | 9 | • | G | > | |
| | | | | | | | | | | |
| Legend Current | Potential | Negative | Positive | Insi | ide | | | de | | |

4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

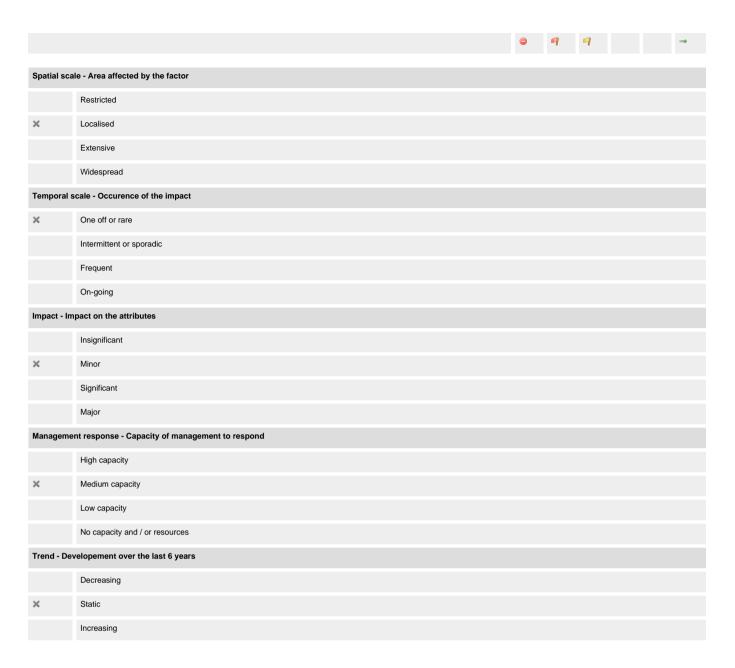
| Name | Impact | | Origin | | Trend |
|---------------|----------|---|--------|--|-------|
| 4.1.1 Housing | O | • | | | |
| | | 9 | | | |

| Spatial scal | e - Area affected by the factor | | | | |
|--------------|---|--------|----|--------|-------|
| | Restricted | | | | |
| × | Localised | | | | |
| | Extensive | | | | |
| | Widespread | | | | |
| Temporal s | cale - Occurence of the impact | | | | |
| × | One off or rare | | | | |
| | Intermittent or sporadic | | | | |
| | Frequent | | | | |
| | On-going On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| × | Minor | | | | |
| | Significant | | | | |
| | Major | | | | |
| Manageme | nt response - Capacity of management to respond | | | | |
| | High capacity | | | | |
| × | Medium capacity | | | | |
| | Low capacity | | | | |
| | No capacity and / or resources | | | | |
| Trend - Dev | elopement over the last 6 years | | | | |
| | Decreasing | | | | |
| | Static | | | | |
| × | Increasing | | | | |
| | | | | | |
| Name | | Impact | | Origin | Trend |
| 4.1.4 Major | visitor accommodation and associated infrastructure | | ~3 | | • |
| | | | 9 | | 3 |
| Spatial scal | e - Area affected by the factor | | | | |
| | Restricted | | | | |
| × | Localised | | | | |
| | Extensive | | | | |
| | Widespread | | | | |
| Temporal s | cale - Occurence of the impact | | | | |
| × | One off or rare | | | | |
| | Intermittent or sporadic | | | | |
| | Frequent | | | | |
| | On-going On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| × | Minor | | | | |
| | Significant | | | | |

| | Major | | | | | | |
|--------------|---|--------|---|---|--------|----------|-------|
| Manageme | nt response - Capacity of management to respond | | | | | | |
| × | High capacity | | | | | | |
| | Medium capacity | | | | | | |
| | Low capacity | | | | | | |
| | No capacity and / or resources | | | | | | |
| Trend - Dev | velopement over the last 6 years | | | | | | |
| | Decreasing | | | | | | |
| | Static | | | | | | |
| × | Increasing | | | | | | |
| | | | | | | | |
| Name | | Impact | | | Origin | | Trend |
| 4.1.5 Interp | 4.1.5 Interpretative and visitation facilities | | 9 | 9 | | G | |
| | | | | | | | |
| Spatial sca | le - Area affected by the factor | | | | | | |
| × | Restricted | | | | | | |
| | Localised | | | | | | |
| | Extensive | | | | | | |
| | Widespread | | | | | | |
| Temporal s | cale - Occurence of the impact | | | | | | |
| | One off or rare | | | | | | |
| | Intermittent or sporadic | | | | | | |
| | Frequent | | | | | | |
| × | On-going | | | | | | |
| Impact - Im | pact on the attributes | | | | | | |
| | Insignificant | | | | | | |
| | Minor | | | | | | |
| × | Significant | | | | | | |
| | Major | | | | | | |
| Manageme | nt response - Capacity of management to respond | | | | | | |
| × | High capacity | | | | | | |
| | Medium capacity | | | | | | |
| | Low capacity | | | | | | |
| | No capacity and / or resources | | | | | | |
| Trend - Dev | velopement over the last 6 years | | | | | | |
| | Decreasing | | | | | | |
| | Static | | | | | | |
| × | Increasing | | | | | | |
| | | | | | | | |

4.2 Transportation Infrastructure

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



4.3 Services Infrastructures

| Name | | Impact | | Origin | | Trend |
|-------------|-----------------------------------|--------|---|--------|---|---------------|
| 4.3.1 Water | rinfrastructure | • | 9 | | Œ | \rightarrow |
| | | | | | | |
| | | | | | | |
| Spatial sca | lle - Area affected by the factor | | | | | |
| | Restricted | | | | | |
| × | Localised | | | | | |
| | Extensive | | | | | |
| | Widespread | | | | | |
| Temporal s | scale - Occurence of the impact | | | | | |
| | One off or rare | | | | | |
| | Intermittent or sporadic | | | | | |
| × | Frequent | | | | | |
| | On-going | | | | | |
| Impact - Im | pact on the attributes | | | | | |

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

| Name | Impact | | | Origin | | Trend |
|------------------------------|--------|---|--|--------|--|----------|
| 4.3.5 Major linear utilities | | | | | | |
| | | 9 | | • | | → |

| | | em | | _ |
|-------------|--|----|---|----------|
| | | 4 | Q | - |
| Spatial sca | ale - Area affected by the factor | | | |
| | Restricted | | | |
| × | Localised | | | |
| | Extensive | | | |
| | Widespread | | | |
| Temporal | scale - Occurence of the impact | | | |
| | One off or rare | | | |
| | Intermittent or sporadic | | | |
| × | Frequent | | | |
| | On-going | | | |
| Impact - Im | ppact on the attributes | | | |
| | Insignificant | | | |
| × | Minor | | | |
| | Significant | | | |
| | Мајог | | | |
| Manageme | ent response - Capacity of management to respond | | | |
| | High capacity | | | |
| × | Medium capacity | | | |
| | Low capacity | | | |
| | No capacity and / or resources | | | |
| Trend - De | velopement over the last 6 years | | | |
| | Decreasing | | | |
| × | Static | | | |
| | Increasing | | | |
| | | | | |

4.7 Local conditions affecting physical fabric

| Name 4.7.5 Dust Impact Origin Trend | Name | | Impact | | Origin | Trend |
|--|-------------|-----------------------------------|---------|---|--------|-------|
| Special scale - Are affected by the factor Residued Localized X Extensive Widespread Tromporal scale - Occurrence of the Impact Core of tor zone Inframement or sporadic X Frequent Great the attributes Imagest - Impact on the attributes Imaginificant Mayor Management response - Capacity of management to respond X Hyp capacity Local capacity Modure capacity Local capacity Decreasing State Tromporal bevelopment over the last 6 years Special scale - Are affected by the factor Resided X Special scale - Are affected by the factor Resided X Effective Widespread Tromporal scale - Occurrence of the Impact Trompor | 4.7.1 Wind | | | | | |
| Resilicated Coalised X Exemitive Widespread Temporal scales - Occurrence of the impact Temporal scales - Occurrence of the impact One of or zero Impact - Impact on the attributes Impact - Impact of the attributes Major - | | | | 9 | • | > |
| Resilicated Coalised X Exemitive Widespread Temporal scales - Occurrence of the impact Temporal scales - Occurrence of the impact One of or zero Impact - Impact on the attributes Impact - Impact of the attributes Major - | Snatial sca | ele - Δrea affected by the factor | | | | |
| Localized Loca | Opatiai 302 | | | | | |
| Stance Stan | | | | | | |
| Tremporal scale - Occurrence of the impact Tremporal scale - Occurrence of the impact Annual Separate Separat | ~ | | | | | |
| Temporal scale - Occurrence of the impact One off or rans attentiated or sporadic X Frequent X Frequent Among Impact - Impact and stributes Impact - Area affected by the factor Asserticated X Manor Management response - Capacity of management to respond X Major apacity Among and / or resources Trend - Development over the last 6 years X Increasing X Manor Spatial Scale X Response of the factor Response of the impact X Origin Trend - Development over the last 6 years X Expression Response of the factor Response of the factor Response of the factor Response of the factor Response of the impact X Videogement X Expression X Response of the impact X Videogement X Response of the impact X Videogement X Videogement X Response of the impact X Videogement | ^ | | | | | |
| Cone offi or rane Intermitators or sponedic X Frequent On going Impact - Impact on the attributes X Minor Management response - Capacity of management to respond X Migo apacity Intermitation of resources It is not a specific or resources Increasing I | Tomporal | | | | | |
| Intermittent or approade Frequence Congaing Impact - Impact on the attributes Congaing Impact - Impact on the attributes Congaing Impact - Impact on the attributes Congaing Conga | remporars | | | | | |
| Frequent On-going Impact - Impact on the attributes Imaginificant Million Significant Willion Management response - Capacity of management to respond Willion Modumic apacity Low capacity Low capacity Docreasing Statis Statis Spatial Scale - Area affected by the factor Restricted Meadumic Apacity Localised Localised Wildespread Restricted Localised Wildespread Restricted Localised Wildespread Temporal scale - Cocurence of the Impact One off or rane | | | | | | |
| Impact - Impact - Impact stributes Imaginficant | ~ | | | | | |
| Impact - Impact on the attributes Insignificant Minor Significant W Major Management response - Capacity of management to respond W High capacity Medium capacity Low capacity No capacity No capacity Inoreasing Static Static Static Area affected by the factor Restricted Restricted Localised Esternaive Midegread Once off or rare | ^ | | | | | |
| Insignificant Minor Significant Major Management response - Capacity of management to respond Minor | Impact I | | | | | |
| Minor Significant Major Management response - Capacity of management to respond High capacity Medium capacity Medium capacity No capacity and / or resources Trend - Developement over the last 8 years Decreasing Static Increasing Static Spatial scale - Area affected by the factor Restricted Cocalised Localised Midespread Temporal scale - Occurence of the impact Temporal scale - Occurence of the impact One off or rare | impact - in | | | | | |
| Significant ** Major **Management response - Capacity of management to respond *********************************** | | | | | | |
| Management response - Capacity of management to respond X High capacity Medium capacity Low capacity No capacity and / or resources Trend - Developement over the last 6 years Decreasing Static X Increasing Name Increasing Name Restricted Extensive Restricted Extensive Widespread Cone off or rare | | | | | | |
| High capacity High capacity Medium capacity Low capacity No capacity No capacity Percensing Static Increasing Static Static Static A.7.5 Dust Restricted Localised Widespread Fremporal scale - Area affected by the factor Restricted Widespread Temporal scale - Occurence of the impact One off or rare One off or rare | ** | | | | | |
| ## High capacity Medium capacity Medium capacity Medium capacity Medium capacity Medium capacity Mo | | | | | | |
| Medium capacity Low capacity No capacity and / or resources Trend - Devolpement over the last 6 years Static Increasing Name Aname Aname Aname Aname Localised Localised Localised Kestricted Kestricted Localised Kestricted Kestric | | | | | | |
| Low capacity No capacity and / or resources Trend - Development over the last 6 years Decreasing Static Increasing Name Increasing Name Spatial scale - Area affected by the factor Restricted Localised X Extensive Widespread Temporal scale - Occurence of the impact One off or rare | × | | | | | |
| No capacity and / or resources Trend - Development over the last 6 years Decreasing Static * Increasing Name 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised * Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | | | | | |
| Trend - Developement over the last 6 years Decreasing Static Impact Origin Trend 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised X Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | | | | | |
| Decreasing Static Increasing Name 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised X Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | | | | | |
| Static Increasing Name 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised Localised Widespread Temporal scale - Occurence of the impact One off or rare | Trend - De | velopement over the last 6 years | | | | |
| Name 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised ** Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | | | | | |
| Name 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | | | | | |
| 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised ** Extensive Widespread Temporal scale - Occurence of the impact One off or rare | × | Increasing | | | | |
| 4.7.5 Dust Spatial scale - Area affected by the factor Restricted Localised ** Extensive Widespread Temporal scale - Occurence of the impact One off or rare | Namo | | Impact | | Origin | Trond |
| Spatial scale - Area affected by the factor Restricted Localised Extensive Widespread Temporal scale - Occurence of the impact One off or rare | 4.7.5 Dust | | iiipact | | Origin | Heliu |
| Restricted Localised Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | | | q | • | 7 |
| Restricted Localised Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | | | | | |
| Localised Extensive Widespread Temporal scale - Occurence of the impact One off or rare | Spatial sca | le - Area affected by the factor | | | | |
| Extensive Widespread Temporal scale - Occurence of the impact One off or rare | | Restricted | | | | |
| Widespread Temporal scale - Occurence of the impact One off or rare | | Localised | | | | |
| Temporal scale - Occurence of the impact One off or rare | × | Extensive | | | | |
| One off or rare | | Widespread | | | | |
| | Temporal s | scale - Occurence of the impact | | | | |
| Intermittent or sporadic | | One off or rare | | | | |
| | | Intermittent or sporadic | | | | |

| × | Frequent | | | | |
|-------------|---|--------|---|--------|-------|
| | On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| | Minor | | | | |
| | Significant | | | | |
| × | Major | | | | |
| Manageme | nt response - Capacity of management to respond | | | | |
| × | High capacity | | | | |
| | Medium capacity | | | | |
| | Low capacity | | | | |
| | No capacity and / or resources | | | | |
| Trend - De | relopement over the last 6 years | | | | |
| | Decreasing | | | | |
| | Static | | | | |
| × | Increasing | | | | |
| | | | | | |
| Name | | Impact | | Origin | Trend |
| 4.7.6 Water | (rain/water table) | | | | _ |
| | | | 9 | • | |
| Spatial sca | le - Area affected by the factor | | | | |
| | Restricted | | | | |
| | Localised | | | | |
| × | Extensive | | | | |
| | Widespread | | | | |
| Temporal s | cale - Occurence of the impact | | | | |
| | One off or rare | | | | |
| | Intermittent or sporadic | | | | |
| × | Frequent | | | | |
| | On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| | Minor | | | | |
| | Significant | | | | |
| × | Major | | | | |
| Manageme | nt response - Capacity of management to respond | | | | |
| × | High capacity | | | | |
| | Medium capacity | | | | |
| | Low capacity | | | | |
| | No capacity and / or resources | | | | |
| Trend - De | relopement over the last 6 years | | | | |

Decreasing

| × | Static |
|---|------------|
| | Increasing |

| Name | Impact | | | Origin | |
|-----------------------|--------|---|--|--------|----------|
| 4.7.8 Micro-organisms | | | | | |
| | | 9 | | • | → |

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

4.8 Social/Cultural uses of heritage

| Name | Impact | | Impact | | Impact | | Impact | | Impact | | Impact Origin | | Origin | Trend |
|--|--------|---|--------|---|--------|--|--------|--|--------|--|---------------|--|--------|-------|
| 4.8.6 Impacts of tourism/Visitation/Recreation | | | | | | | | | | | | | | |
| | | 9 | • | - | | | | | | | | | | |

| | | | | 9 | • | | 1 | |
|-------------|--|--|--|---|---|--|---|--|
| | | | | | | | | |
| Spatial sca | ale - Area affected by the factor | | | | | | | |
| | Restricted | | | | | | | |
| | Localised | | | | | | | |
| × | Extensive | | | | | | | |
| | Widespread | | | | | | | |
| Temporal s | Temporal scale - Occurence of the impact | | | | | | | |
| | One off or rare | | | | | | | |

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

4.9 Other human activities

| Name | | Impact | | Origin | Trend |
|--------------|---|--------|---|--------|-------|
| 4.9.2 Delibe | erate destruction of heritage | | | | |
| | | | व | • | 1 |
| Spatial sca | le - Area affected by the factor | | | | |
| | Restricted | | | | |
| | Localised | | | | |
| × | Extensive | | | | |
| | Widespread | | | | |
| Temporal s | cale - Occurence of the impact | | | | |
| | One off or rare | | | | |
| | Intermittent or sporadic | | | | |
| × | Frequent | | | | |
| | On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| | Minor | | | | |
| | Significant | | | | |
| × | Major | | | | |
| Manageme | nt response - Capacity of management to respond | | | | |
| × | High capacity | | | | |
| | Medium capacity | | | | |
| | Low capacity | | | | |
| | No capacity and / or resources | | | | |

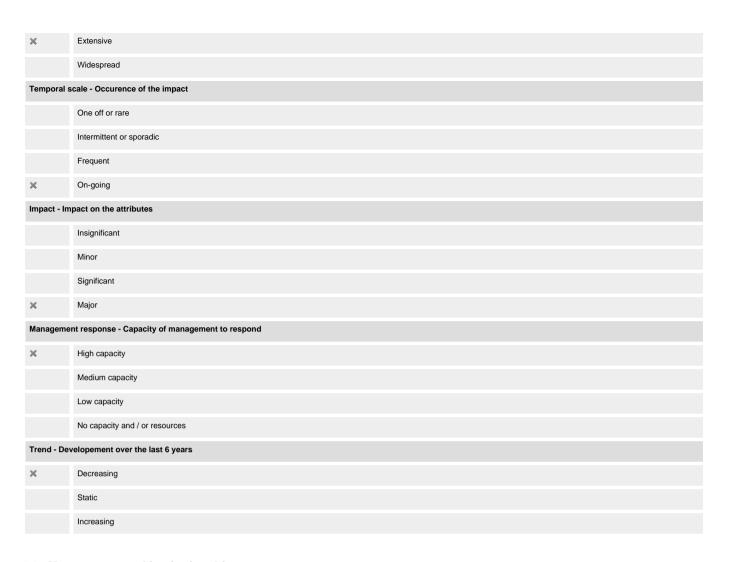
| Trend - Dev | Trend - Developement over the last 6 years | | | | | | | |
|-------------|--|--|--|--|--|--|--|--|
| × | Decreasing | | | | | | | |
| | Static | | | | | | | |
| | Increasing | | | | | | | |

4.10 Climate change and severe weather events

| Name | | Impact | | Origin | Trend |
|-------------|---|--------|---|--------|----------|
| 4.10.4 Dese | 4.10.4 Desertification | | | | |
| | | | q | • | S |
| Spatial sca | le - Area affected by the factor | | | | |
| | Restricted | | | | |
| | Localised | | | | |
| × | Extensive | | | | |
| | Widespread | | | | |
| Temporal s | cale - Occurence of the impact | | | | |
| | One off or rare | | | | |
| | Intermittent or sporadic | | | | |
| | Frequent | | | | |
| × | On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| × | Minor | | | | |
| | Significant | | | | |
| | Major | | | | |
| Manageme | nt response - Capacity of management to respond | | | | |
| × | High capacity | | | | |
| | Medium capacity | | | | |
| | Low capacity | | | | |
| | No capacity and / or resources | | | | |
| Trend - Dev | relopement over the last 6 years | | | | |
| × | Decreasing | | | | |
| | Static | | | | |
| | Increasing | | | | |

4.11 Sudden ecological or geological events

| Name | Impact | | act Origin | | Trend |
|---|--------|---|------------|---|----------|
| 4.11.5 Erosion and siltation/Deposition | | | | | |
| | | 9 | | • | S |
| Spatial scale - Area affected by the factor | | | | | |
| Spatial Scale - Area affected by the factor | | | | | |
| Restricted | | | | | |
| Localised | | | | | |



4.13 Management and institutional factors



| × | High capacity | | | | | | |
|-------------|---|----------|---|---|--------|----------|----------|
| | Medium capacity | | | | | | |
| | Low capacity | | | | | | |
| | No capacity and / or resources | | | | | | |
| Trend - Dev | velopement over the last 6 years | | | | | | |
| | Decreasing | | | | | | |
| | Static | | | | | | |
| × | Increasing | | | | | | |
| | | | | | | | |
| Name | | Impact | | | Origin | | Trend |
| 4.13.4 Man | agement activities | 0 | 9 | 9 | • | ઉ | <i>P</i> |
| | | | | | | | |
| Spatial sca | le - Area affected by the factor | | | | | | |
| | Restricted | | | | | | |
| | Localised | | | | | | |
| × | Extensive | | | | | | |
| | Widespread | | | | | | |
| Temporal s | cale - Occurence of the impact | | | | | | |
| | One off or rare | | | | | | |
| | Intermittent or sporadic | | | | | | |
| | Frequent | | | | | | |
| × | On-going | | | | | | |
| Impact - Im | pact on the attributes | | | | | | |
| | Insignificant | | | | | | |
| | Minor | | | | | | |
| × | Significant | | | | | | |
| | Major | | | | | | |
| Manageme | nt response - Capacity of management to respond | | | | | | |
| × | High capacity | | | | | | |
| | Medium capacity | | | | | | |
| | Low capacity | | | | | | |
| | No capacity and / or resources | | | | | | |
| Trend - Dev | velopement over the last 6 years | | | | | | |
| | Decreasing | | | | | | |
| | Static | | | | | | |
| × | Increasing | | | | | | |
| | | | | | | | |
| Name | | Impact | | | Origin | | Trend |
| 4.13.5 Fina | ncial resources | O | 9 | | | | → |
| | | | | | | | |
| Spatial sca | le - Area affected by the factor | | | | | | |
| | Restricted | | | | | | |

| × | Localised | | | | |
|-------------|---|--------|----|--------|-------|
| | Extensive | | | | |
| | Widespread | | | | |
| Temporal s | cale - Occurence of the impact | | | | |
| | One off or rare | | | | |
| | Intermittent or sporadic | | | | |
| × | Frequent | | | | |
| | On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| | Minor | | | | |
| × | Significant | | | | |
| | Major | | | | |
| Manageme | nt response - Capacity of management to respond | | | | |
| × | High capacity | | | | |
| | Medium capacity | | | | |
| | Low capacity | | | | |
| | No capacity and / or resources | | | | |
| Trend - De | relopement over the last 6 years | | | | |
| | Decreasing | | | | |
| × | Static | | | | |
| | Increasing | | | | |
| | | | | | |
| Name | an resources | Impact | q | Origin | Trend |
| 4.15.011411 | an resources | | -1 | | |
| | | | | | |
| Spatial sca | le - Area affected by the factor | | | | |
| | Restricted | | | | |
| | Localised | | | | |
| × | Extensive | | | | |
| | Widespread | | | | |
| Temporal s | cale - Occurence of the impact | | | | |
| | One off or rare | | | | |
| | Intermittent or sporadic | | | | |
| | Frequent | | | | |
| × | On-going | | | | |
| Impact - Im | pact on the attributes | | | | |
| | Insignificant | | | | |
| | Minor | | | | |
| × | Significant | | | | |
| | Major | | | | |
| | | | | | |

| × | High capacity | | | | | | |
|-------------|---|--------|---|---|--------|---|-------|
| | Medium capacity | | | | | | |
| | Low capacity | | | | | | |
| | No capacity and / or resources | | | | | | |
| Trend - Dev | relopement over the last 6 years | | | | | | |
| | Decreasing | | | | | | |
| | Static | | | | | | |
| × | Increasing | | | | | | |
| | | | | | | | |
| Name | impact research/monitoring activities | Impact | 9 | q | Origin | Œ | Trend |
| 4.13.7 LOW | impact research/monitoring activities | | 7 | 4 | © | Ġ | |
| | | | | | | | |
| Spatial sca | le - Area affected by the factor | | | | | | |
| | Restricted | | | | | | |
| | Localised | | | | | | |
| × | Extensive | | | | | | |
| | Widespread | | | | | | |
| Temporal s | cale - Occurence of the impact | | | | | | |
| | One off or rare | | | | | | |
| | Intermittent or sporadic | | | | | | |
| | Frequent | | | | | | |
| × | On-going | | | | | | |
| Impact - Im | pact on the attributes | | | | | | |
| | Insignificant | | | | | | |
| | Minor | | | | | | |
| × | Significant | | | | | | |
| | Major | | | | | | |
| | nt response - Capacity of management to respond | | | | | | |
| × | High capacity | | | | | | |
| | Medium capacity | | | | | | |
| | Low capacity | | | | | | |
| | No capacity and / or resources | | | | | | |
| Trend - Dev | relopement over the last 6 years | | | | | | |
| | Decreasing | | | | | | |
| | Static | | | | | | |
| × | Increasing | | | | | | |

4.17. 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

The property of the Island of Meroe is a serial containing: Meroe the pyramids, Meroe the royal city, Naga, and Mussawarat. All are impacted by the same natural and human factors.

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 | Meroe Pyramids | × | | | |
| 4.18.1.2 | Building of Meroe royal city | | × | | |
| 4.18.1.3 | Naga | × | | | |
| 4.18.1.4 | Mussawarat | × | | | |
| 4.18.1.5 | Burial chambers | | × | | |

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

At the national level, the three sites that make up the property are protected under article 13 (5) of the Interim Constitution of the Republic of Sudan of 2005. The property is protected by the provisions of the of 1999. It is also protected by Presidential Decision/Decree (no. 162 for the year 2003) for the . It is expected that the creation of the proposed Management Committee for the Island of Meroe involving all stakeholders will greatly increase the power of the law, and in particular the physical protection of the property. The Reserve, which encompasses all three sites and their buffer zones, is overseen by a management council. Traditional and popular interest in the sites and their cultural heritage provides another layer of protection. In many instances, this layer is organised under popular committees or cultural clubs operating from the localities surrounding the sites such as at Shendi, Kabbushiyya, Begraweya, Ba Naqa and al-Awateib.

- 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 Non

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

With the support of the regional antiquities office measures to protect the property are the main focus. The registration of the sites boundaries and marking the buffer zone and monitoring the site are the main ongoing activities at the site conducted in collaboration with the archaeological missions.

5.3. Management System/Management Plan

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

If 'Other', please specify

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

Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups

A management plan

A visitor/visitation management plan

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

Non

5.3.4 - Management Documents

| Title | Status | Available | Date | Link to source |
|-----------------|--------|-----------|------|----------------|
| Management Plan | N/A | Available | 2011 | |

Comment

2016 Sustainable Tourism Plan for Meroe, Including a Regional Approach to the Island of Meroe

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

The policy for dealing with development proposals is fully based on 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.

The rest house located west to the pyramids site of the River Nile State has been dismantled completely to allow a better view to the site and to avoid having any new building within the boundaries of the site.

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:

Non

5.3.9 - Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property? No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties

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

Non

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 fully implemented and monitored

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

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

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

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

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

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

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

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

- 5.3.18 Please provide further details on the ratings of the management system given in the table above
- 5.3.19 Comments, conclusions and/or recommendations related to the management system/plan
- 6. Financial and Human Resources
- 6.1. Funding

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

| | | Project costs | Running costs |
|----------|--|---------------|---------------|
| 6.1.1.1 | Multilateral funding (GEF, World Bank, etc.) | 0 % | 0 % |
| 6.1.1.2 | Bilateral international funding | 50 % | 49 % |
| 6.1.1.3 | World Heritage Fund (International Assistance) | 2 % | 2 % |
| 6.1.1.4 | Contribution from other conventions and programmes | 10 % | 9 % |
| 6.1.1.5 | International donations (NGOs, foundations, etc.) | 3 % | 5 % |
| 6.1.1.6 | Governmental (national/federal) | 10 % | 10 % |
| 6.1.1.7 | Governmental (regional/provincial/state) | 3 % | 3 % |
| 6.1.1.8 | Governmental (local/municipal) | 1 % | 1 % |
| 6.1.1.9 | In-country donations (NGOs, foundations, etc.) | 0 % | 0 % |
| 6.1.1.10 | Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.) | 19 % | 19 % |
| 6.1.1.11 | Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.) | 0 % | 0 % |
| 6.1.1.12 | Other | 2 % | 2 % |
| | | Total 100 % | Total 100 % |

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

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

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

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

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

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

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 | 70 % | 70 % |
| 6.1.6.2 | Women | 30 % | 30 % |
| | | Total 100 % | Total 100 % |

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

Human resources are adequate for management needs

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

| Conservation | Fair |
|---------------------------------------|---------------|
| Environmental sustainability | Poor |
| Community participation and inclusion | Poor |
| Risk preparedness | Not available |
| Capacity development and education | Poor |
| Administration | Poor |
| Research and monitoring | Fair |

| Awareness raising and public information/communication | Good |
|--|------|
| Marketing and promotion | Fair |
| Interpretation | Fair |
| Visitor management/tourism | Fair |
| 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 | Not applicable |
|--|----------------|
| Environmental sustainability | Not available |
| Community participation and inclusion | Good |
| Risk preparedness | Not applicable |
| Capacity development and education | Good |
| Administration | Not applicable |
| Research and monitoring | Not applicable |
| Awareness raising and public information/communication | Poor |
| Marketing and promotion | Not applicable |
| Interpretation | Poor |
| Visitor management/tourism | Not available |
| 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.

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

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

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

The property need training to local staff to work in the different sites There are not yet appointed staff for the sites from the state far from the resident manager A proposal for staffing has been handed recently to the state.

7. Scientific Studies and Research Projects

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

Knowledge about the values and attributes of the World Heritage property is adequate

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

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

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

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

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

There is a need for more effort in sharing the research result with the local communities and young generations in order to have a means of rising awareness.

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 | Poor |
|-----------------------------|------|
| Local/municipal authorities | Poor |

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

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

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

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

| Local communities |
|---------------------------------|
| Indigenous peoples |
| Landowners |
| Women |
| Youth/children |
| Researchers |
| Local Visitors |
| National/international tourists |
| Tourism industry |
| Local businesses and industries |
| NGOs |
| Other specific groups |

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

| Visitor centre | Good |
|--|------------|
| Site museum | Poor |
| Information booths | Good |
| Guided tours | Good |
| Trails/routes | Good |
| Printed information materials | Good |
| Online (website, social media, etc.) | Good |
| 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 Non

9. Visitor Management

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

5000 / 2000 / 2000 / 2000 / 1000 /

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

Entry tickets and registries

Visitor surveys

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

One day (no overnight stay)

9.4 - Please provide the source of information

Visitors registration list

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

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

9.6 - Please provide the source of information

There are no link between the site management and the income of the sites. The Regional Authorities collect the income but without any engagement towards the preservation and managent of the sit>. If the part of the budget is oriented for the management of the property will contribute in the protecting the property in a sustainable manner.

9.7 - Does the management system/plan for the World Heritage property include a strategy with an action plan to manage visitors, tourism activity and its derived economic, socio-cultural and environmental impacts?

There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is not implemented

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

Non

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?

No

If a different system, please specify

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

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

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

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

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

Not displayed at all

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

Fees are collected, but make no contribution to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

No

If 'Yes', please specify

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

No

If 'Yes', please specify

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

Non

10. Monitoring

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

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

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

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

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

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

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

Non

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

| World Heritage managers/coordinators and staff | Fair |
|---|----------------|
| Local/municipal authorities | Fair |
| Local communities | Fair |
| Indigenous peoples | Fair |
| Landowners | Fair |
| Women | Fair |
| Researchers | Fair |
| Tourism industry | Poor |
| Local businesses and industry | Poor |
| 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 dismantling of a new building near the pyramids site Stop the construction work at the site museum at the pyramids site Submission of reports and proposals for the archaeological work and the management plans for the sites within the property

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

Since 2015 site monitoring and maintenance program has been developed as part of the pyramid project.

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

| 5.3 | Management System/Management Plan | |
|--------|--|---|
| 5.3.7 | No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property | × |
| 5.3.9 | No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property | × |
| 6.1 | Funding | |
| 6.1.3 | The available budget is inadequate for basic management needs and presents a serious constraint to the capacity to manage the World Heritage property | |
| 6.1.10 | Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property | × |
| 9 | Visitor Management | |
| 9.7 | There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is not implemented | × |
| 9.11 | There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation | |
| 9.12 | The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made | × |
| 10 | Monitoring | |

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

Please select 3 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

| 4.1 | Buildings and De | velopment | | | | | | | | | |
|-------------|----------------------------------|---|---|-----------------|---|---------------------|--|---------|--|---------|--------|
| 4.1.1 | | Housing | | | | | | | | | |
| 4.3 | Services Infrastru | uctures | | | | | | | | | |
| 4.3.5 | | Major linear utilities | | | | | | | | | |
| 4.7 | Local conditions | affecting physical fabric | : | | | | | | | | |
| 4.7.1 | s s (t t c M | Wind is affecting the surroundings accumulating and close to the site (pyramids). There is a propose to be implemented in coming 2 years by the Qar Wission for the pyramid of Sudan. | and wind is ject already started en the tari | d a a d p | est pits and obsei nd monitoring the Ilready conducted rovided data for thuilt | wind is the and for | We are plannir he next three or this project | year | The Qatari Miss the Pyramids of Sudan QMPS | | Non |
| 4.7.5 | Dust | Same as wind | Same | S | ame | Same | | San | ne | Non | |
| | Water No (rain/water table) | ot Comments N | ot Comments | Not Cor | mments | Not Comme | nts | Not Com | nments | Not Con | nments |
| 4.7.8 | | Micro-organisms | | | | | | | | | |
| 4.8 | Social/Cultural us | ses of heritage | | | | | | | | | |
| 4.8.6 | | Impacts of tourism/Visitation/Rec | reation | | | | | | | | |
| 4.9 | Other human acti | ivities | | | | | | | | | |
| 4.9.2 | | rom the visitors | More effort on site protection. That also wi ncorporate rising awareness in different evels | | ocumentation of th | he modern | One Ye from no | | The Qatari Missi the Pyramids of | | Non |
| 4.10 | Climate change a | and severe weather even | its | | | | | | | | |
| 4.10.4 | Desertification | No comments | No comments | No co | mments | No comme | nts | No com | ments | No comr | ments |
| 4.11 | Sudden ecologica | al or geological events | | | | | | | | | |
| 4.11.5 | Erosion and siltation/Deposition | No comments | No comments | No ce | omments | No comme | ents | No com | ments | No comn | nents |
| Question no | ot completed | | | | | | | | | | |

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

| 5.3 | Management Sys | tem/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 | will be considered after verification the reactive monitoring mission. | of No | ocomments | | The Qatari Mission for the Pyramids of Sudan | No comments |
|--------|--|--|---------|-----------|-----|--|-------------|
| 5.3.9 | No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property | Risk preparedness workshop for museums and wh site had been organised by UNESCO office in Khartoum, | No | ocomments | | No comments | No comments |
| 6.1 | Funding | | | | | | |
| 6.1.10 | Some use has been made of the World Heritage Strategy for Capacity Development the World Heritage property | office | No comm | ments | | onal Corporation for Antiquities Museums | No comments |
| 9 | Visitor Managem | nent | | | | | |
| 9.7 | There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is not implemented | Sustainable tourism plan for Mero including a regional approach to the of Meroe is now submitted | | 5 Years | | e Qatari Mission for the amids of Sudan | No comments |
| 9.12 | The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made | This will be improved when impler the Sustainable tourism plan for N | | 5 Years | QMI | PS | No comments |

Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

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

The Authenticity of the World Heritage property has been preserved

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

The Integrity of the World Heritage property is intact

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

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

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

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

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

The sites are well preserved and all the effort are concentrated on protecting the property and keep its monument in a good state of preservation

13. Impact of World Heritage Status

13.1 - Please rate the impacts of World Heritage status of the property in relation to the following areas

| Conservation | Positive |
|---|----------------|
| Research and monitoring | Positive |
| Management effectiveness | Positive |
| Quality of life for local communities and indigenous peoples | No impact |
| Recognition | Positive |
| Education | No impact |
| Infrastructure development | Positive |
| Funding for the property | No impact |
| International cooperation | Positive |
| Political support for conservation | No impact |
| Legal/Policy framework | No impact |
| Advocacy | No impact |
| Institutional coordination | No impact |
| Security | Positive |
| Gender equality | Positive |
| Provision of ecosystem services/ benefits to local communities | Not applicable |
| Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status | Not applicable |
| Fostering inclusive local economic development and enhancing livelihood | No impact |
| Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties | Not applicable |
| Other | Not applicable |
| If 'Other', please specify | |

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

14. Good Practice in the Implementation of the World Heritage Convention

14.1 - Example of good practice in World Heritage protection, identification, conservation or management at the property level

The implementation of the site management result can be seen in the Island of Meroe visitor centre and the new entrance to the pyramids providing facilities and information. Information points are installed at the Royal City and Mussawarat

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

Sustainable Development
State of Conservation
Management

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

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

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

| State Party | Poor |
|--|------|
| Site Managers | Fair |
| 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?

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

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

Non

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 |
| Staff from other World Heritage properties |
| UNESCO National Commission |
| Non-Governmental Organizations |
| ICOMOS International |
| ICOMOS national/regional |
| External experts |

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

 $\label{thm:considered} \textbf{Gender balance has been } \textbf{explicitly considered} \ \textbf{in the process but there are still deficiencies in the implementation.}$

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

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

2 Months / 1 Month / 2 weeks /

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

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

15.4. Format and content of the Periodic Report

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

Most required information was accessible.

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

| | | Very Difficult | Difficult | Easy | Very easy |
|----------|------------------------------|----------------|-----------|------|-----------|
| 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

Non

15.5. Training and Guidance

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

| UNESCO World Heritage Centre | Fair |
|--------------------------------------|----------------|
| UNESCO (other sectors/field offices) | Fair |
| UNESCO National Commission | Poor |
| ICOMOS International | Poor |
| IUCN International | Not applicable |
| ICCROM international/regional | No support |
| ICOMOS national/regional | Not applicable |
| IUCN national/regional | Not applicable |

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

| UNESCO World Heritage Centre | Poor |
|---|----------------|
| State Party Representative (national Focal Point) | Poor |
| UNESCO other sectors (e.g. field office) | Not applicable |
| National Commission for UNESCO | Not applicable |
| ICOMOS International | Poor |
| ICCROM International/regional | Not applicable |
| ICOMOS national/regional | Poor |
| IUCN national/regional | Not applicable |
| IUCN International | Not applicable |

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

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

15.5.4 - If you found that the online training resources were not adequate, what changes would you like to see implemented? There are no received information regarding this.

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

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

No item were proposed for update

- 15.7. Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise
- **15.7.1 Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise**The periodic reporting is an essential tool to assess the situation of the property and help to monitor and manage the property.
- 15.7.2 Thank you for having filled in all the questions. Please contact your National Focal Point for validation.