

Pearling, Testimony of an Island Economy

1. World Heritage Property Data

1.1 - Name of World Heritage property


Pearling, Testimony of an Island Economy

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Hayr B -I-Th mah	26.79 / 50.912	5659.13	95749.5	101408.63	2012
Hayr B 'Am mah	26.808 / 50.804	4854.77	?	4854.77	2012
Hayr Shtayyah	26.611 / 50.816	24569.6	?	24569.6	2012
B M hir Seashore	26.241 / 50.613	2.169	94.326	96.495	2012
Qal'at B M hir	26.241 / 50.614	0.132	?	0.132	2012
Al-Gh House	26.244 / 50.614	0.021	0.292	0.313	2012
Badr Ghulum House	26.246 / 50.613	0.042	1.653	1.695	2012
Al-Jalahma House	26.246 / 50.614	0.071	?	0.071	2012
Al-Alawi House	26.247 / 50.613	0.015	?	0.015	2012
Fakhro House	26.248 / 50.611	0.204	1.865	2.069	2012
Murad House	26.25 / 50.614	0.097	0.695	0.792	2012
Murad Majlis	26.249 / 50.614	0.021	?	0.021	2012
Siyadi Shops	26.25 / 50.61	0.056	1.671	1.727	2012
Am rat Yousif A.'Fakhro	26.25 / 50.609	0.213	?	0.213	2012
'Am rat Ali Rashed Fakhro (I)	26.25 / 50.61	0.078	?	0.078	2012
'Am rat Ali Rashed Fakhro (II)	26.25 / 50.609	0.043	?	0.043	2012
N khidhah House	26.255 / 50.611	0.006	0.277	0.283	2012
Siyadi House	26.255 / 50.613	0.034	1.131	1.165	2012
Siyadi Majlis	26.255 / 50.613	0.074	?	0.074	2012
Siyadi Mosque	26.255 / 50.613	0.04	?	0.04	2012
Total (ha)		35086.816	95851.41	130938.226	

1.4 - Map(s)

Title	Date	Link to source
Pearling, Testimony of an Island Economy - Maps of the inscribed property	2012	

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

2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)

2.1 - Records indicate that your World Heritage property (in whole or in part) is designated and/or protected under the Conventions/programmes shown in the prefilled table below. Please check and amend as necessary.

		The World Heritage property (in whole or in part) <u>is</u> designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) <u>is not</u> designated and/or protected under this convention/programme
2.1.1	International Register of Cultural Property under Special Protection (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		✕

2.1.2	List of Cultural Property under Enhanced Protection (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		×
2.1.3	The List of Wetlands of International Importance (The Ramsar List) (Convention on Wetlands of International Importance (Ramsar Convention))		×
2.1.4	World Network of Biosphere Reserves Man and the Biosphere (MAB) Programme		×
2.1.5	Global Geoparks Network UNESCO Global Geoparks		×

2.2 - Please provide comments on 2.1 if necessary

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

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?

No

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

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

2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	

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

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

Not aware

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

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

Not aware

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

3. Statement of Outstanding Universal Value

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

Statement of Outstanding Universal Value

Brief synthesis

The traditional sea-use of harvesting pearls from oyster beds in the Persian Gulf shaped the island of Bahrain's economy for millennia. As the best-known source of pearls since ancient times, the Gulf industry reached the apex of its prosperity at the end of the 19th and beginning of the 20th centuries. The wealth of what had become a global trade is reflected in the development of the merchant quarters of Muharraq city. A few distinctive commercial and residential buildings remain as a testimony to this proud but dangerous and demanding economic activity which suffered a sudden and catastrophic demise in the 1930s as a result of the development in Japan of cultured pearls from freshwater mussels.

The property includes seventeen buildings embedded in the urban fabric of Muharraq city, three off shore oyster beds, and a part of the seashore at the southern tip of Muharraq Island, from where the boats set off for the oyster beds.

The architectural testimony comprises residential and commercial structures that are tangible manifestations of the major social and economic roles and institutions associated with the pearling society. Most of the structures have survived relatively unaltered since the collapse of the pearl industry in the early 20th century and bear witness to distinctive building traditions that the industry fostered, and particularly their high standard of craftsmanship in timber and plaster. These buildings evoke memories of that industry, its supporting social and economic structures, and of the cultural identity it produced.

Criterion (iii): The ensemble of urban properties, fort, seashore and oyster beds is an exceptional testimony to the final flourishing of the cultural tradition of pearling which dominated the Persian Gulf between the 2nd and early 20th centuries. Although the pearling industry has died, these sites carry the memory of its prosperity and the building traditions that it fostered.

Integrity

The property reflects the buildings created as a result of the great prosperity of the pearl industry in the late 19th and early 20th centuries, and its economic structures. It also reflects the oyster beds upon which the prosperity was based and the seashore link between land and sea.

The choice of urban sites was limited by the neglect of the pearl industry's heritage since the industry's demise in the 1930s almost until the new millennium. As a result many buildings were demolished and those that remain have suffered from neglect and the adverse effects of new development around them. The urban sites chosen reflect extensive architectural, anthropological and historical surveys and are seen as those that carry the memory of the pearling industry for the local community. They variously reflect the key activities of merchants associated with the pearl industry as well as its building traditions.

The urban sites are thus islands within the city. They are still extremely vulnerable with many of the buildings needing extensive work to give them satisfactory stability. The oyster beds are not under threat and neither is the sea shore or fort.

To maintain integrity, great care will be needed in stabilising and conserving the structures so that the optimum amount of original fabric can be kept and traditional materials and processes are used. It will also be necessary to ensure that the sites can be seen to relate sympathetically to the wider urban structures within which they are embedded.

Authenticity

The authenticity of the property is related to its ability to convey the Outstanding Universal Value in terms of transmitting information about the social and economic process of the pearl industry. In terms of the buildings this relates to their ability to manifest their status, use, architectural form, local materials and techniques and their craftsmanship – particularly the exceptionally high quality of some of the craftsmanship deployed in timber and plaster work. Many of the urban buildings are highly vulnerable in terms of their fabric and decoration as a result of lack of use and maintenance. Any work will need to ensure minimum intervention in order that as much as possible of the original material is conserved so that the buildings may still provide tangible links to the decades of their former glory while being robust enough for use and a degree of access. For the fort there is a need to reverse some of the restoration of the last few decades and to re-introduce traditional materials.

The underwater oyster beds are still thriving, although there is nothing to convey their sea-harvesting traditions; the sea shore, although a fraction of what used to exist and now much compromised by later development nevertheless adds an important attribute, and is a focal point for important intangible cultural associations that relate to pearling. The fragility of the urban fabric presents a potential threat to authenticity as conservation, if overdone, could erase the memory that the buildings currently evoke.

Protection and Management requirements

The B M hir Seashore and the individual sites in Muharraq all have national protection as designated national monuments under Decree Law No (11) of 1995 Concerning the Protection of Antiquities on 10 January 2010, and their future management resides under the Ministry of Culture. The three oyster beds and their marine buffer zone are currently generally protected at a national level in terms of Decree (2) 1995 with respect to the Protection of Wildlife; Legislative Decree No. 21 of 1996 in respect with the Environment (Amiri Decree); and Decree (20) 2002 with respect to the Regulation of Fishing and Exploitation of Marine Resources. A legislative decree that specifically designates the marine sites and buffer zone as a national marine protected area was approved in 2011.

In November 2011, the Ministry of Culture drew up a Vision for the development of old Muharraq – both the sites and the entire area of old Muharraq that surrounds them, which includes the buffer zone. This sets out a holistic approach for preserving the historic character of Muharraq under two key 'perspectives', legal and societal. The new laws to limit the increase in unplanned construction or population, prevent the deterioration of the special character of the urban fabric, and protect sites, urban settlements and antiquities should be in place at the end of 2013. The Societal framework will aim to assert the identity of the Old Muharraq area, through upgrading living standards; specific restoration projects and design guidance. This approach will allow for the buffer zone to be managed as the urban context for the sites and for them to be part of a living dynamic city.

A dedicated Site Administration Unit has been established within the Ministry of Culture to co-ordinate the implementation of the management system. The Unit, which reports to the Undersecretary for Culture, consists of an interdisciplinary team including researchers, conservation architects, an urban planner and rehabilitation specialist, a marine biologist and environmental specialist, a site manager for the urban properties and a GIS specialist, all supported by an administrative team which deals with finances, marketing, etc.

A Steering Committee has been established as the governing body of the management and administrative system for the properties. The Committee brings together at ministerial level, members of the 12 governmental agencies representing the full range of partners and stakeholders in the project, as well as representatives of the private owners of the Muharraq properties and the businesses in the urban buffer zone. The Steering Committee is chaired by the Minister of Culture. A Management Plan is in place for the property.

In order to address the challenges of restoring the fragile buildings within Muharraq, and maintaining them on an on-going basis, there is a need for training in traditional skills, particularly in woodwork and fine plaster techniques, and for the development of knowledge in traditional materials. The State Party has indicated its commitment to this training, at a practical site level and as part of university education. There will also be a need to ensure that the context of the sites is respected within urban Muharraq.

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	environmental and geophysical attributes	✗			
3.2.2	location and setting related attributes	✗			
3.2.3	attributes of ownership use and function	✗			
3.2.4	architectural and aesthetic attributes	✗			
3.2.5	archeological attributes	✗			
3.2.6	narrative and identity attributes	✗			
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 complete list of attributes (69 in total) per Property Component is available in the nomination file pages 241-242. Current conservation and management efforts are generally in line with the preservation of the attributes, besides minor concerns in 3 cases: Badr Ghulum House and Nukhidhah House changed ownership and now belong to the Government, "Amarat A. R. Fakhro II is currently not used after it suffered a fire (reported to UNESCO in 2014) but should regain its function soon.

4. Factors Affecting the Property

4.1. Buildings and Development





4.1.1 - Housing

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

4.1.2 - Commercial development

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

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














Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 							

4.1.3 - Industrial areas

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




4.1.4 - Major visitor accommodation and associated infrastructure

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

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

4.1.5 - Interpretative and visitation facilities

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

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

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

Some developments (a small mall and guesthouse complex) have taken place around inscribed site components. While their impact on the sites themselves are minor, the comments provided by the management unit to the developers were not fully taken into consideration due to the high status of the clients. The comments mostly regarded the architectural language used in these projects which is a close mimicry of the heritage style. A recently built visitor center also had mixed impacts on the site.

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

4.2.5 - Effects arising from use of transportation infrastructure

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

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

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

The lack of parking spaces in the narrow streets of Muharraq is causing people to park right at the walls of inscribed Properties which may cause deterioration of the plaster and affect the pedestrian accessibility to the building in some cases. This is currently being tackled by the construction of parking buildings close to the heritage neighborhood and by adding series of bollards around some of the Properties.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

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

4.3.2 - Renewable energy facilities

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

4.3.3 - Non-renewable energy facilities

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

4.3.4 - Localised utilities

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

4.3.5 - Major linear utilities


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

4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

4.4. Pollution

4.4.1 - Pollution of marine waters

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

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

4.4.2 - Ground water pollution

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

4.4.3 - Surface water pollution










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

4.4.4 - Air pollution

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

4.4.5 - Solid waste

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

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

4.4.6 - Input of excess energy

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

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

Littering in the sea and in the city streets is a common problem in the area of the site. The natural components of the Site (oyster beds and seashore) are affected by littering in the sea and the presentation of the urban components is affected by solid waste left in the streets. This however doesn't impact the OUV.

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

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

4.5.2 - Aquaculture

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

4.5.3 - Land conversion

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

4.5.4 - Livestock farming/Grazing of domesticated animals

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

4.5.5 - Crop production

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

4.5.6 - Commercial wild plant collection

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

4.5.7 - Subsistence wild plant collection

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

4.5.8 - Commercial hunting

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

4.5.9 - Subsistence hunting

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

4.5.10 - Forestry/Wood production

Relevant	<input checked="" type="checkbox"/> Not 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

4.6. Physical resource extraction

4.6.1 - Mining

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

4.6.2 - Quarrying

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

4.6.3 - Oil and gas

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

4.6.4 - Water (extraction)

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

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











4.7. Local conditions affecting physical fabric

4.7.1 - Wind

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

4.7.2 - Relative humidity

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

	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				

4.7.3 - Temperature

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

4.7.4 - Radiation/Light

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

4.7.5 - Dust

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

4.7.6 - Water (rain/water table)

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

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

4.7.7 - Pests

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

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

4.7.8 - Micro-organisms

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

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

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

Relative humidity, high water table and pests (mostly termite) are the main challenges to conserving the fabric of the inscribed heritage buildings. The humidity and high temperature leads to the deterioration of the surface plaster, and the movement of water table inside the foundations weakens the structure while termites weaken roofs and beams. This is being tackled through different preventive techniques: ventilation trenches, de-humidification devices, termite treatment etc..

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

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

4.8.2 - Society's valuing of heritage

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

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

4.8.3 - Indigenous hunting, gathering and collecting

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

4.8.4 - Changes in traditional ways of life and knowledge system

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

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

Positive							
Negative							

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

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

4.8.6 - Impacts of tourism/Visitation/Recreation

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

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

The Site's setting, Muharraq, has suffered mostly from abandonment of its heritage houses, and while there are some successful come-backs encouraged by the recent conservation efforts, it's still difficult to effectively reverse the trend. There is also very few knowledgeable craftsmen left and the local community keeps moving away from the traditional way of life while tourism is expected to rise. This is not currently affecting the OUV directly but may have a future impact.

4.9. Other human activities

4.9.1 - Illegal activities

Relevant	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							
Negative							

4.9.3 - Military training

Relevant	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 positively

The existence of many graffiti on some of the inscribed Properties and some minor vandalism is something to be taken into consideration after the site's development phase is over.

4.10. Climate change and severe weather events










4.10.1 - Storms

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

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

4.10.2 - Flooding

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

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

4.10.3 - Drought

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

4.10.4 - Desertification

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

4.10.5 - Changes to oceanic waters

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

4.10.6 - Temperature change

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

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









4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

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








4.11.2 - Earthquake

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

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

4.11.3 - Tsunami/Tidal wave

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

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

4.11.4 - Avalanche/Landslide

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

4.11.5 - Erosion and siltation/Deposition

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

4.11.6 - Fire (wildfire)

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

Since the site is partially on the coast and the topography is very flat, it would be very vulnerable to sea level rise caused by climate change and other catastrophe related to the sea.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

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

4.12.2 - Invasive/Alien terrestrial species

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

4.12.3 - Invasive/Alien freshwater species

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

4.12.4 - Invasive/Alien marine species

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

4.12.5 - Hyper-abundant species

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

4.12.6 - Modified genetic material












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

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

4.13. Management and institutional factors










4.13.1 - Management system/Management plan

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

	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
 Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			












4.13.2 - Legal framework

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

	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
 Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			











4.13.3 - Governance

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

	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
 Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			











4.13.4 - Management activities

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

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












4.13.5 - Financial resources

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

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

4.13.6 - Human resources

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

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

4.13.7 - Low impact research/monitoring activities

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

4.13.8 - High impact research/monitoring activities

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

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

The management system, current legal framework, governance and management activities are adequate in general and having a positive impact on the inscribed Properties of the Serial Site. they are however insufficient or lack legal backing or human resources when it comes to the protection of the setting and the buffer zone, which could eventually have a negative impact on the Site itself.

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact			Origin		Trend
4.1 Buildings and Development						
4.1.2 Commercial development						
4.1.4 Major visitor accommodation and associated infrastructure						
4.1.5 Interpretative and visitation facilities						
						
4.2 Transportation Infrastructure						
4.2.5 Effects arising from use of transportation infrastructure						
4.4 Pollution						
4.4.1 Pollution of marine waters						

4.4.5 Solid waste						
	⊖	⚠			🔄	➡
4.7 Local conditions affecting physical fabric						
4.7.2 Relative humidity						
	⊖	⚠		🕒		➡
4.7.6 Water (rain/water table)						
	⊖	⚠	⚠	🕒		➡
4.7.7 Pests						
	⊖	⚠	⚠	🕒	🔄	↘
4.7.8 Micro-organisms						
	⊖	⚠		🕒		↘
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage						
	⊖	⚠			🔄	↘
4.8.4 Changes in traditional ways of life and knowledge system						
	⊖	⚠			🔄	↗
4.8.5 Identity, social cohesion, changes in local population and community						
	⊖	⚠	⚠	🕒	🔄	➡
4.8.6 Impacts of tourism/Visitation/Recreation						
	⊖	⚠			🔄	↗
4.9 Other human activities						
4.9.2 Deliberate destruction of heritage						
	⊖	⚠		🕒	🔄	➡
4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖		⚠		🔄	➡
4.10.2 Flooding						
	⊖		⚠		🔄	↗
4.11 Sudden ecological or geological events						
4.11.2 Earthquake						
	⊖		⚠	🕒	🔄	➡
4.11.3 Tsunami/Tidal wave						
	⊖		⚠	🕒	🔄	➡
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	+	⚠		🕒		➡
	⊖	⚠			🔄	➡
4.13.2 Legal framework	+	⚠	⚠	🕒	🔄	↗
	⊖		⚠		🔄	↘
4.13.3 Governance	+	⚠		🕒		➡
	⊖	⚠	⚠		🔄	↗
4.13.4 Management activities	+	⚠		🕒	🔄	↗
4.13.5 Financial resources	+	⚠		🕒		➡

4.13.6 Human resources						
Legend	Current	Potential	Negative	Positive	Inside	Outside

4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development









Name	Impact			Origin		Trend
4.1.2 Commercial development						

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

Name	Impact			Origin		Trend
4.1.4 Major visitor accommodation and associated infrastructure						

Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted





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

Name	Impact			Origin	Trend
4.1.5 Interpretative and visitation facilities					
					

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

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

4.2 Transportation Infrastructure

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

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

4.4 Pollution

Name	Impact	Origin	Trend
4.4.1 Pollution of marine waters			




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

Name	Impact			Origin		Trend
4.4.5 Solid waste						

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

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

4.7 Local conditions affecting physical fabric

Name	Impact			Origin		Trend
4.7.2 Relative humidity						
						

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





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

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

Name	Impact	Origin	Trend
4.7.7 Pests			

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

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

Name	Impact			Origin		Trend
4.7.8 Micro-organisms						
						







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

4.8 Social/Cultural uses of heritage

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

Name		Impact			Origin		Trend
4.8.4 Changes in traditional ways of life and knowledge system							
Spatial scale - Area affected by the factor							
	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Impact on the attributes							

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

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

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

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





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

4.9 Other human activities

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

Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

4.10 Climate change and severe weather events

Name	Impact			Origin		Trend
4.10.1 Storms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						

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

	Increasing					
--	------------	--	--	--	--	--

Name		Impact			Origin		Trend
4.10.2 Flooding							

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

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

Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
	Major

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

Trend - Development over the last 6 years	
	Decreasing
	Static
	Increasing

4.11 Sudden ecological or geological events

Name		Impact			Origin		Trend
4.11.2 Earthquake							

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

Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic








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

Name	Impact	Origin	Trend
4.11.3 Tsunami/Tidal wave			
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>







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

✕	Static
	Increasing

4.13 Management and institutional factors









Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	 		
	 		

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

Name	Impact	Origin	Trend
4.13.2 Legal framework	  	 	
	 		






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

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

Name	Impact	Origin	Trend
4.13.3 Governance	 		
	  		

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

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.4 Management activities	 	 	

Spatial scale - Area affected by the factor

	Restricted
	Localised
✕	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes




	Insignificant
✕	Minor
	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.5 Financial resources	 		










Spatial scale - Area affected by the factor

	Restricted
	Localised
✕	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

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

Name	Impact	Origin	Trend
4.13.6 Human resources	 	 	
	 	 	

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

	Decreasing
×	Static
	Increasing

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 is a serial site of 4 natural Components and 16 urban Components. The 4 natural components (3 oyster beds and a seashore) might be compromised by climate change and the rise of sea level, as well as the pollution of marine waters. The rest of the components are concerned by all the other factors mentioned above.

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	Environmental and geophysical attributes	×			
4.18.1.2	Location and setting related attributes	×			
4.18.1.3	Attributes of ownership, use and function	×			
4.18.1.4	Architectural, archeological and aesthetic attributes	×			
4.18.1.5	Narrative and Identity attributes	×			

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

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

The buffer zones of the World Heritage property **are known and recognised** by the management authority **but are not known** by local communities/landowners

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

The current buffer zone around the urban Components is adequate but current protection measures include all historical Muharraq, therefore much wider than the recognized buffer zone. The buffer zone of the urban Components is recognized and known by all parties and the community, it is still doubtful, however, if the buffer zone of the Bu Maher Seashore Component is known by the landowners of the neighboring seashore properties which are affected by it. Action should be taken to avoid conflict.

5.2. Protective Measures

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

The B M hir Seashore and the individual sites in Muharraq all have national protection as designated national monuments under Decree Law No (11) of 1995 Concerning the Protection of Antiquities on 10 January 2010, and their future management resides under the Ministry of Culture. The three oyster beds and their marine buffer zone are currently generally protected at a national level in terms of Decree (2) 1995 with respect to the Protection of Wildlife; Legislative Decree No. 21 of 1996 in respect with the Environment (Amiri Decree); and Decree (20) 2002 with respect to the Regulation of Fishing and Exploitation of Marine Resources. A legislative decree that specifically designates the marine sites and buffer zone as a national marine protected area was approved in 2011. In November 2011, the Ministry of Culture drew up a Vision for the development of old Muharraq – both the sites and the entire area of old Muharraq that surrounds them, which includes the buffer zone. New laws to limit the increase in unplanned construction or population, prevent the deterioration of the special character of the urban fabric, and protect sites, urban settlements and antiquities should be in place at the end of 2013.

Comment

1. the management and protection is currently the responsibility of the Bahrain Authority for Culture and Antiquities (BACA) 2. the buffer zone is still awaiting a comprehensive law recognizing Muharraq as an Urban Heritage Area where a conservation/development plan can be applied. However, current measures are efficiently preventing the alteration of the local character and the protection of heritage buildings, and new adapted zoning code is under discussion to be ratified soon.

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

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

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

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

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

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

The inscribed Properties are well protected and monitored efficiently by BACA staff. All Property owners are in direct contact with BACA and have signed official agreements to respect National Monument status of their Properties, therefore not undertaking any intervention/action on them before contacting BACA. Protection measures for the Buffer Zone/Setting are currently taking place only through permit control and follow-up by BACA staff. There needs to be an adequate legal backing for that.

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

There needs to be an adequate legal backing for a comprehensive protection/development scheme for Muharraq Town which includes the Buffer zone of the inscribed Properties. The staff in charge of permit control is not sufficient for the adequate monitoring of alterations/demolitions occurring in the Buffer Zone/Setting of the inscribed Properties. Although a corresponding administrative structure has been proposed and approved, yet is not implemented.

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.

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

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

A management plan

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

The Site's management team, consisting of BACA staff and consultants hired for the site's development, relies on the official Management Plan document submitted to UNESCO along with the Nomination File in 2012 to implement most management measures. The team liaises between all stakeholders, Property Owners, community members and government entities to reach formal agreements or offer technical or financial support for projects and initiatives which are in line with the management plan.

5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Management Plan	N/A	Available	2011	
Management Plan 2011	N/A	Available	2012	

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

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

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

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

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

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

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

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

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

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

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

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

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

5.3.13 - Is the management system being implemented?

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

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

An annual work/action plan **exists but few of its activities are being implemented**

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

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

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

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

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

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

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

By developing public spaces in the buffer zone and offering cultural venues through the adaptation of many heritage buildings, the management system is leading to a comprehensive regeneration of Muharraq Town which affects most of its neighborhoods regardless of population origin or social status, (highlighting the role of women in society in one of its Proprieties). However, many initiatives and cooperations have no formal mechanisms to ensure their durability in the future.

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

Although the management system is currently effective in maintaining the OUV of the inscribed Properties and regenerating the context of old Muharraq, it lacks the mechanisms for a proper dialogue with the community and local authorities, especially at project conception, to include locals in the decision making process, in the new projects" upkeep and build long lasting management and protection systems.

6. Financial and Human Resources

6.1. Funding

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

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	%	%
6.1.1.2	Bilateral international funding	60 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	%	%
6.1.1.4	Contribution from other conventions and programmes	%	%
6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	40 %	100 %
6.1.1.7	Governmental (regional/provincial/state)	%	%
6.1.1.8	Governmental (local/municipal)	%	%
6.1.1.9	In-country donations (NGOs, foundations, etc.)	%	%
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	%	%
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	%	%
6.1.1.12	Other	%	%
		Total 100 %	Total 100 %

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

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

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

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

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

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

Current funding concerns the Site's development and general physical maintenance over the next 2 years including sites and venues in the buffer zone. Budgets for management and upkeep beyond the development phase are yet to be defined and it is assumed for the moment that the source will be the Bahraini Government.

6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage

properties and the extent to which they are drawn from local communities.

		From local communities %	From elsewhere %
6.1.6.1	Men	60 %	80 %
6.1.6.2	Women	40 %	20 %
		Total 100 %	Total 100 %

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

Human resources **partly meet** the management needs of the World Heritage property

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

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

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

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

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

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

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

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

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

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

Most human resources currently implicated in the site's management are architects and conservators. While promotion, awareness raising and administration is covered by BACA's staff, there are gaps in resources for research, monitoring, community liaison, interpretation(museography) and environmentalists; and coordination with the tourism authority for site specific collaboration is lacking. There is no capacity building program, but many locals are being trained independently on conservation.

7. Scientific Studies and Research Projects

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

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

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

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

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

Research results **are shared with local communities and some national agencies**

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

Most current research is aimed at conservation and maintenance procedures. there is a need for further anthropological and historical research to supply interpretation and awareness raising initiatives.

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

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

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

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

Local communities
Local/municipal authorities
Youth/children
Local Visitors
National/international tourists
Tourism industry

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

Visitor centre	Fair
Site museum	Poor
Information booths	Not provided but needed
Guided tours	Poor
Trails/routes	Good

Printed information materials	Not provided but needed
Online (website, social media, etc.)	Good
Transportation facilities	Not provided but needed
Other	Not needed
If 'Other' is selected, please specify	

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

since site is still being developed, visitor facilities are also incomplete

9. Visitor Management

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

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

Other
no information is being collected

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

One to three hours

9.4 - Please provide the source of information

As of today there are no reliable sources of information on the matter.

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

9.6 - Please provide the source of information

As of today there are no reliable sources of information on the matter.

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

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

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

9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

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

There is **contact** between those responsible for the World Heritage property and the tourism industry but this is **largely confined to administrative or regulatory matters**

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

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

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

In **one location** and **easily visible** to visitors

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

No fees are collected

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?

Not applicable

If 'Yes', please specify

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

Tourism activities for the site are not currently monitored and information is not available. Most tourists only visit a small portion of the site as most of it (including the connecting "path" between the properties) is not yet ready to be visited making it difficult to make an assessment.

10. Monitoring

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

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

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

Information on the values of the World Heritage property is **adequate** and **key indicators have been defined** 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

As most inscribed Properties are currently in the conservation/development process, the monitoring process has not started efficiently. however the monitoring of the setting (buffer zone and beyond) is efficiently taking place through the permit control system but indicators are not well defined.

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

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

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

No relevant Committee recommendations to implement

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

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

As most inscribed Properties are currently in the conservation/development process, the monitoring process has not started efficiently.

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.1	Boundaries and Buffer Zones	
5.1.4	The buffer zones of the World Heritage property are known and recognised by the management authority but are not known and recognized by local communities/landowners	
5.2	Protective Measures	
5.2.4	The legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property is inadequate	✗

5.2.5	An adequate legal framework exists for the broader setting of the World Heritage property and the buffer zone, but there are some deficiencies in implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property							
5.2.6	There are major deficiencies in capacity/resources to enforce legislation and/or regulation in the World Heritage property							
5.3	Management System/Management Plan							
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property							
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property							
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property							
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved							
5.3.13	The management system at the property is only being partially implemented							
5.3.14	An annual work/action plan exists for the property but few of the activities are being implemented							
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does provide ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants) In a limited manner, the management system of the World Heritage property does contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status The management system of the World Heritage property does not integrate a human rights-based approach In a limited manner, the management system of the World Heritage property does contribute to conflict prevention, including respect for cultural diversity within and around the World Heritage property 							
6.1	Funding							
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property							
6.1.7	Human resources partly meet the management needs of the World Heritage property							✕
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property							
6.1.12	There is no site-based capacity building plan or programme in place; management is implemented by external staff and skills are not transferred							✕
7	Scientific Studies and Research Projects							
7.2	There is a small amount of research in the World Heritage property but it is not planned							✕
8	Education, Information and Awareness Building							
8.2	There is a limited and ad hoc education and awareness programme for children and/or youth							✕
9	Visitor Management							
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is not implemented							✕
9.9	There is some management of the visitor use of the World Heritage property							
9.11	There is contact but this is largely confined to administrative or regulatory mattersThere is contact between those responsible for the World Heritage property and the tourism industry but this is largely confined to administrative or regulatory matters							
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made							✕
10	Monitoring							
10.1	There is a small amount of monitoring at the World Heritage property, but it is not planned							
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.								
<input checked="" type="checkbox"/> Please save this question to reflect changes								

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.4	Pollution						
4.4.1	Pollution of marine waters	attribute: environmental condition (hayr bu l thamah)	coordinate with other government entities to maintain cleanliness	assess the improvement of the water quality	n/a	BACA and SCE	no comments

4.7	Local conditions affecting physical fabric						
4.7.2		Relative humidity					
4.7.7	Pests	attributes: building materials	anti termite campaign	periodical tests	underway, recurrent	BACA	no comments
4.8	Social/Cultural uses of heritage						
4.8.5	Identity, social cohesion, changes in local population and community	attributes:function and use, ownership (e.g.: murad majlis, murad house, siyadi house)	ensure owners long term involvement in governance, enhance living conditions in muharraq	social survey to assess community"s desire to stay in Muharraq	recurrent	BACA	no comments
4.10	Climate change and severe weather events						
4.10.2	Flooding	most attributes	develop risk preparedness strategy monitor the affects of climate change	observe the affects of climate change on water table rise, building materials and else	open ended	baca	no comments
4.11	Sudden ecological or geological events						
4.11.3	Tsunami/Tidal wave	most attributes	follow up with the water level rise	follow up with the water level rise	recurrent	BACA SCE	no comments
4.13	Management and institutional factors						
4.13.1		Management system/Management plan					
4.13.2		Legal framework					
4.13.3	Governance	all	Improve the governance strategies	no comments	recurrent	multiple	no comments
4.13.6		Human resources					

Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.2	Protective Measures				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.2.4	The legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property is inadequate	ongoing efforts to reach the necessary legal tools to protect Muharraq as a Heritage Area, and consolidating the guidelines currently applied, have to be continued.	unpredictable	Bahrain Authority for Culture and Antiquities, (BACA) Urban Planning Directorate of the Ministry of Works, Municipalities and Urban Planning	no comments
6.1	Funding				
6.1.7	Human resources partly meet the management needs of the World Heritage property	create and consolidate a Site management unit beyond the completion of the conservation and development phase.	within the next 2 years	BACA, Civil Service Bureau	no comments

6.1.12	There is no site-based capacity building plan or programme in place; management is implemented by external staff and skills are not transferred	Establish a capacity development program	within the next 2 years	BACA, Tourism Authority Muharraq Municipality	no comments
7	Scientific Studies and Research Projects				
7.2	There is a small amount of research in the World Heritage property but it is not planned	include researchers in the management unit	within the next 2 years	BACA	no comments
8	Education, Information and Awareness Building				
8.2	There is a limited and ad hoc education and awareness programme for children and/or youth	management unit (new member to be hired, community liaison or content manager) to coordinate more efficiently with Ministry of Education	within the next 2 years	BACA Ministry of Education	no comments
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	management unit to coordinate more efficiently with Tourism Authority as to reach a common strategy	within the next 2 years	Tourism Authority	no comments
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	Improvements underway, content manager preferably should lead the content of interpretation elements	the next 2 years	BACA	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 are being **partially degraded** but the state of conservation of the World Heritage property has **not been significantly impacted**

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

13. Impact of World Heritage Status

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

Pearling, Testimony of an Island Economy

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

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

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 conservation approach for the components of the serial site is being very sensitive to their semi-ruinous state ensuring the authentic fabric is maintained and/or revealed in its original state (going back to the pearling era of the 1930's). The preliminary study and SOC reports are being of a great support for establishing the permissible degree of intervention which is shared with the design consultants through Conservation Directives reports. the resulting development projects are sure to maintain the attributes supporting the OUV of the site. Conservation consultants are further asked to find adapted structural interventions to maintain some structures in their current positions (leaning, sagging etc...) which ensures they keep their authentic aspect and remain as memory markers of the lost Pearling Era (further to the ICOMOS's recommendation mentioned in the Nomination review report: 1364 whc11-35com-inf.8B1e).

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

State of Conservation

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

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

15.2. Use of Data

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

Revision of priorities/strategies/policies for the protection, management and conservation of heritage

Update of management plans

Advocacy

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

15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage

Site Manager/Coordinator World Heritage property staff

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

Gender balance has been **explicitly considered** 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?

Yes

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

ongoing process / 4h / 8h /

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

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

15.4. Format and content of the Periodic Report

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

All required information was accessible.

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

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

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

15.5. Training and Guidance

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

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Good
UNESCO National Commission	No support
ICOMOS International	Good
IUCN International	Good
ICCROM international/regional	Not applicable
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	Good
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Good
National Commission for UNESCO	No support

ICOMOS International	Fair
ICCROM International/regional	No support
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable
IUCN International	No support

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

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

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

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

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

No item were proposed for update

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

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

Some comment boxes have too little characters available to fill in all the comments.

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