

Heard and McDonald Islands

1. World Heritage Property Data

1.1 - Name of World Heritage property

Heard and McDonald Islands

1.2 - World Heritage property details

Comment

Correct misspelling: naturel to natural.

1.3 - Geographic information table

| Name | Coordinates | Property (ha) | Buffer zone (ha) | Total (ha) | Inscription year |
|----------------------------|--------------|---------------|------------------|------------|------------------|
| Heard and McDonald Islands | -53.1 / 73.5 | 658903 | 0 | 658903 | 1997 |
| Total (ha) | | 658903 | 0 | 658903 | |

1.4 - Map(s)

| Title | Date | Link to source |
|----------------------------|------|---|
| Heard and McDonald Islands | 2012 |  |

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

1. [The Official Site for Australian Travel and Tourism Australia](#)
2. [Australian Antarctic Division](#)
3. [Natural site datasheet from WCMC](#)
4. [Heard Island and McDonald Islands](#)
5. <http://heardisland.antarctica.gov.au/> <http://www.environment.gov.au/heritage/places/world/heard-mcdonald>

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

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

| | | The World Heritage property (in whole or in part) <u>is</u> designated and/or protected under this convention/programme | The World Heritage property (in whole or in part) <u>is not</u> designated and/or protected under this convention/programme |
|-------|---|---|---|
| 2.1.1 | International Register of Cultural Property under Special Protection (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict) | | × |
| 2.1.2 | List of Cultural Property under Enhanced Protection (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict) | | × |
| 2.1.3 | The List of Wetlands of International Importance (The Ramsar List) (Convention on Wetlands of International Importance (Ramsar Convention)) | | × |
| 2.1.4 | World Network of Biosphere Reserves Man and the Biosphere (MAB) Programme | | × |
| 2.1.5 | Global Geoparks Network UNESCO Global Geoparks | | × |

2.2 - Please provide comments on 2.1 if necessary

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

Not applicable

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

No

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

No

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

No

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

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

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

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

No

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

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

No

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

3. Statement of Outstanding Universal Value

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

Statement of Outstanding Universal Value

Brief synthesis

Heard and McDonald Islands are remote sub-Antarctic volcanic islands located in the southern Indian Ocean about half-way between Australia and South Africa, and just over 1,600 kilometres from Antarctica. The property covers a total area of 658,903 hectares of which about 37,000 hectares is terrestrial, and the remainder marine. The islands are a unique wilderness, containing outstanding examples of biological and physical processes continuing in an environment essentially undisturbed by humans.

Heard Island is dominated by Big Ben (an active volcano rising to a height of 2,745 metres), and is largely covered by snow and glaciers. McDonald Island is much smaller, covering only 100 hectares at the time of inscription, and is surrounded by several smaller rocks and islands. The only active sub-Antarctic volcanos are found on these islands, with the volcano on McDonald Island erupting after inscription and doubling the size of the island. The island group's physical processes provide valuable indicators of the role of crustal plates in the formation of ocean basins and continents, of dynamic glacial changes in the coastal and submarine environment, and of atmospheric and oceanic warming. The large populations of marine birds and mammals, combined with a virtual absence of introduced species, provide a unique arena for the maintenance of biological and evolutionary processes.

Criterion (viii): The islands contain outstanding examples of significant on-going geological processes occurring in an essentially undisturbed environment, particularly physical processes which provide an understanding of the role of crustal plates in the formation of ocean basins and continents, and of atmospheric and oceanic warming. The islands are distinctive among oceanic islands in being founded upon a major submarine plateau which in this case deflects Antarctic circumpolar waters northwards, with striking consequences for geomorphological processes. They also offer an active example of plume volcanism, providing direct geological evidence of the action of the longest operational plume system known in the world. This includes information about plume interaction with overlying crustal plates, as well as insights into mantle plume composition due to the widest range of isotopic compositions of strontium, neodymium, lead and helium known from any oceanic island volcano system. Big Ben on Heard Island is the only known continuously active volcano on a sub-Antarctic island, whereas the volcano on MacDonald Island recently became active again after a 75,000 year period of dormancy, increasing significantly in size since inscription.

Heard Island's relatively shallow and fast-flowing glaciers respond quickly to climate change, faster than any glaciers elsewhere, making them particularly important in monitoring climate change. They have fluctuated dramatically in recent decades and have retreated significantly.

Criterion (ix): Heard Island and McDonald Islands are outstanding examples representing significant on-going ecological, biological, and evolutionary processes. As the only sub-Antarctic islands virtually free of introduced species and with negligible modification by humans, they are a classic example of a sub-Antarctic island group with large populations of marine birds and mammals numbering in the millions, but low species diversity. These intact ecosystems provide opportunities for ecological research investigating population dynamics and interactions of plant and animal species, as well as monitoring the health and stability of the larger southern oceans ecosystem. Areas of newly deglaciated land as well as areas isolated from each other by glaciers provide unparalleled opportunities for the study of the dispersal and establishment of plants and animals.

The islands also furnish crucial, alien-free habitat for large populations of marine birds and mammals, including major breeding populations of seals, petrels, albatrosses and penguins. Endemic species demonstrating ongoing evolutionary processes include the Heard Island cormorant, the endemic subspecies of the Heard Island sheathbill, and a number of endemic invertebrates (some endemic to Heard and McDonald Islands, and some endemic to the Heard and McDonald Islands-Kerguelen region).

Integrity

The islands form a discrete entity of sufficient size to fulfil the conditions of integrity, plus are of very high wilderness quality and are the least disturbed of all sub-Antarctic islands. They are subject to low anthropogenic pressures except for the largely unknown impact of commercial fisheries on the marine ecosystem. However, commercial fishing is not permitted within the property, or in the Marine Reserve within which it is located. Heard Island's remoteness and harsh climate have ensured that human occupation, notably 19th century sealing, and research activity from 1947 to 1955, has been very restricted. The McDonald Islands have only had two brief visits, and there has been no protracted stay ashore on Heard Island since a winter research programme in 1992, the first winter occupation of the island since 1954.

Protection and management requirements

The area is managed as a strict nature reserve (IUCN Category 1a) by the Australian Antarctic Division through the Australian Government's Heard Island and McDonald Islands Marine Reserve Management Plan that covers marine reserves in the same region as well as the World Heritage Area.

The main management requirements are the maintenance of strict visitation and quarantine controls to maintain natural conditions and ecological integrity, and to prevent the introduction of pathogens and non-native species. Human activity in the reserve is expected to continue to slowly increase in line with interest in the region for science, tourism and fisheries. The management goal must be to prevent the introduction of alien species by minimising the risk of introductions occurring. Fisheries in the region require careful management to minimise the potential of adverse impacts on the marine-dependent fauna of the islands.

All World Heritage properties in Australia are 'matters of national environmental significance' protected and managed under national legislation, the Environment Protection and Biodiversity Conservation Act 1999. This Act is the statutory instrument for implementing Australia's obligations under a number of multilateral environmental agreements including the World Heritage Convention. By law, any action that has, will have or is likely to have a significant impact on the World Heritage values of a World Heritage property must be referred to the responsible Minister for consideration. Substantial penalties apply for taking such an action without approval. Once a heritage place is listed, the Act provides for the preparation of management plans which set out the significant heritage aspects of the place and how the values of the site will be managed.

Importantly, this Act also aims to protect matters of national environmental significance, such as World Heritage properties, from impacts even if they originate outside the property or if the values of the property are mobile (as in fauna). It thus forms an additional layer of protection designed to protect values of World Heritage properties from external impacts. In 2007 the Heard and McDonald Islands World Heritage Area was added to the National Heritage List in recognition of its national heritage significance.

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 | Significant on-going geological processes | ✗ | | | |
| 3.2.2 | Significant on-going ecological, biological, and evolutionary processes | ✗ | | | |

| | | | | | |
|--------|--|--|--|--|--|
| 3.2.3 | | | | | |
| 3.2.4 | | | | | |
| 3.2.5 | | | | | |
| 3.2.6 | | | | | |
| 3.2.7 | | | | | |
| 3.2.8 | | | | | |
| 3.2.9 | | | | | |
| 3.2.10 | | | | | |
| 3.2.11 | | | | | |
| 3.2.12 | | | | | |
| 3.2.13 | | | | | |
| 3.2.14 | | | | | |
| 3.2.15 | | | | | |

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

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.1.2 - Commercial development

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.1.3 - Industrial areas

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.3.4 - Localised utilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.3.5 - Major linear utilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

4.4. Pollution












4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

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

| Impact |  Current |  Potential |  Inside |  Outside |  Decreasing |  Stable |  Increasing |
|--|---|---|--|---|--|--|--|
|  Positive | | | | | | | |
|  Negative  | |  | |  | | | |

4.4.2 - Ground water pollution

Previous answer Cycle 2 (29/07/2011):


- Not relevant

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

4.4.3 - Surface water pollution

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.4.4 - Air pollution

Previous answer Cycle 2 (29/07/2011):


- Not relevant

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

4.4.5 - Solid waste

Previous answer Cycle 2 (29/07/2011):


- Not relevant

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

4.4.6 - Input of excess energy

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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


4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (29/07/2011):


- Not relevant

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

4.5.2 - Aquaculture

Previous answer Cycle 2 (29/07/2011):


- Not relevant

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

4.5.3 - Land conversion

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.5.5 - Crop production

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.5.8 - Commercial hunting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ 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

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.6.2 - Quarrying

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.6.3 - Oil and gas

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.6.4 - Water (extraction)

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ 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

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

4.7.2 - Relative humidity

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.7.3 - Temperature

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.7.4 - Radiation/Light

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.7.5 - Dust

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.7.7 - Pests

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.7.8 - Micro-organisms

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

| ✕ 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

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

4.9.3 - Military training

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.9.4 - War

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.9.5 - Terrorism

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.9.6 - Civil unrest

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.10.2 - Flooding

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.10.3 - Drought

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.10.4 - Desertification

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.10.6 - Temperature change

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

Increase in deglaciation evident




4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (29/07/2011):

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


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

| | | | | | | | |
|--|---|---|---|--|--|--|--|
|  Positive  |  |  |  | | | | |
|  Negative  |  |  |  | | | | |

4.11.2 - Earthquake

Previous answer Cycle 2 (29/07/2011):


- Not relevant

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

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (29/07/2011):

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

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

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (29/07/2011):


- Not relevant

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

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Negative, Potential, Inside

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

4.12.6 - Modified genetic material

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

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

4.13.2 - Legal framework

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

4.13.3 - Governance

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

4.13.4 - Management activities

Previous answer Cycle 2 (29/07/2011):

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

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

4.13.5 - Financial resources

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

4.13.6 - Human resources

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

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Inside

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

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

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table




| Name | Impact | | Origin | | Trend | |
|---|--------|---|--------|---|-------|---|
| 4.4 Pollution | | | | | | |
| 4.4.1 Pollution of marine waters | | | | | | |
| | ⊖ | | ⚠ | | ↻ | |
| 4.7 Local conditions affecting physical fabric | | | | | | |
| 4.7.8 Micro-organisms | | | | | | |
| | ⊖ | | ⚠ | | ↻ | |
| 4.9 Other human activities | | | | | | |
| 4.9.1 Illegal activities | | | | | | |
| | ⊖ | ⚠ | ⚠ | | ↻ | |
| 4.9.2 Deliberate destruction of heritage | | | | | | |
| | ⊖ | | ⚠ | | ↻ | |
| 4.10 Climate change and severe weather events | | | | | | |
| 4.10.7 Other climate change impacts | | | | | | |
| | ⊖ | ⚠ | | ⊕ | | ↻ |
| 4.11 Sudden ecological or geological events | | | | | | |
| 4.11.1 Volcanic eruption | ⊕ | ⚠ | ⚠ | ⊕ | | |
| | ⊖ | ⚠ | ⚠ | ⊕ | | |
| 4.11.4 Avalanche/Landslide | ⊕ | | ⚠ | ⊕ | | |
| | ⊖ | | ⚠ | ⊕ | | |
| 4.12 Invasive/alien species or hyper-abundant species | | | | | | |
| 4.12.1 Translocated species | | | | | | |
| | ⊖ | | ⚠ | | ↻ | |
| 4.12.2 Invasive/Alien terrestrial species | | | | | | |
| | ⊖ | ⚠ | ⚠ | | ↻ | |
| 4.12.3 Invasive/Alien freshwater species | | | | | | |
| | ⊖ | | ⚠ | | ↻ | |
| 4.12.4 Invasive/Alien marine species | | | | | | |
| | ⊖ | | ⚠ | | ↻ | |
| 4.12.5 Hyper-abundant species | ⊕ | | ⚠ | ⊕ | | |
| | ⊖ | | ⚠ | ⊕ | | |
| 4.13 Management and institutional factors | | | | | | |
| 4.13.1 Management system/Management plan | ⊕ | ⚠ | | | | |
| | | | | | | |
| 4.13.2 Legal framework | ⊕ | ⚠ | | | | |
| | | | | | | |
| 4.13.3 Governance | ⊕ | ⚠ | | | | |
| | | | | | | |
| 4.13.4 Management activities | ⊕ | | ⚠ | | ↻ | |
| | | | | | | |
| 4.13.5 Financial resources | ⊕ | ⚠ | | | ↻ | |

| | | | | | | |
|---|---|---|--|--|--|---|
| | | | | | | |
| 4.13.6 Human resources |  |  | |  | | |
| | | | | | | |
| 4.13.8 High impact research/monitoring activities | | | | | | |
| |  | |  |  | | |
| | | | | | | |
| Legend |  Current |  Potential |  Negative |  Positive |  Inside |  Outside |

4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.4 Pollution

| Name | Impact | | | Origin | | Trend |
|----------------------------------|---|--|---|--------|---|-------|
| 4.4.1 Pollution of marine waters | | | | | | |
| |  | |  | |  | |

| 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 |

4.7 Local conditions affecting physical fabric

| 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 | | | | | | |

4.9 Other human activities

| Name | Impact | | | Origin | | Trend |
|--|--------------------------|--|--|--------|--|-------|
| 4.9.1 Illegal activities | | | | | | |
| | | | | | | |
| Spatial scale - Area affected by the factor | | | | | | |
| | Restricted | | | | | |
| | Localised | | | | | |
| | Extensive | | | | | |
| | Widespread | | | | | |
| Temporal scale - Occurrence of the impact | | | | | | |
| | One off or rare | | | | | |
| | Intermittent or sporadic | | | | | |
| | Frequent | | | | | |
| | On-going | | | | | |
| Impact - Impact on the attributes | | | | | | |

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

| Name | Impact | | | Origin | | Trend |
|--|--------|--|---|--------|---|-------|
| 4.9.2 Deliberate destruction 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 |

4.10 Climate change and severe weather events

| Name | | Impact | | | Origin | | Trend |
|--|--------------------------------|--------|--|--|--------|--|-------|
| 4.10.7 Other climate change impacts | | | | | | | |
| | | | | | | | |
| 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 |
|--|-----------------|--------|--|--|--------|--|-------|
| 4.11.1 Volcanic eruption | | | | | | | |
| | | | | | | | |
| 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 |
|----------------------------|--------|--|---|--------|--|-------|
| 4.11.4 Avalanche/Landslide | + | | 🔧 | + | | |
| | - | | 🔧 | + | | |

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

| | |
|---|------------|
| | Decreasing |
| ✕ | Static |
| | Increasing |

4.12 Invasive/alien species or hyper-abundant species

| Name | Impact | | | Origin | | Trend |
|-----------------------------|--------|--|---|--------|---|-------|
| 4.12.1 Translocated species | | | | | | |
| | ⊖ | | 🚩 | | 🌱 | |

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

| Name | Impact | | | Origin | | Trend |
|---|--------|---|---|--------|---|-------|
| 4.12.2 Invasive/Alien terrestrial species | | | | | | |
| | ⊖ | 🚩 | 🚩 | | 🌱 | |

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

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

| Name | Impact | | | Origin | | Trend |
|--|--------|--|--|--------|--|-------|
| 4.12.3 Invasive/Alien freshwater species | | | | | | |
| | | | | | | |

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

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

| Name | Impact | | | Origin | | Trend |
|--------------------------------------|--------|--|---|--------|---|-------|
| 4.12.4 Invasive/Alien marine species | | | | | | |
| | + | | 7 | | + | |

| 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 |
|-------------------------------|--------|--|---|--------|--|-------|
| 4.12.5 Hyper-abundant species | + | | 7 | + | | |
| | + | | 7 | + | | |

| 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 | <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 |

| Name | Impact | Origin | Trend |
|-------------------|--|--------------------------------------|-------|
| 4.13.3 Governance | <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 |

| Name | Impact | | | Origin | | Trend |
|------------------------------|---|--|---|--------|---|-------|
| 4.13.4 Management activities |  | |  | |  | |
| | | | | | | |

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

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

| Name | Impact | Origin | Trend |
|----------------------------|---|---|-------|
| 4.13.5 Financial resources |   |  | |
| | | | |




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

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

| | |
|--|---------------|
| Impact - Impact on the attributes | |
| | Insignificant |
| | Minor |
| ✕ | Significant |
| | Major |

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

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

| Name | Impact | Origin | Trend |
|------------------------|---|---|-------|
| 4.13.6 Human resources |   |  | |
| | | | |

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

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

| Name | Impact | | | Origin | | Trend |
|---|--------|--|---|--------|--|-------|
| 4.13.8 High impact research/monitoring activities | | | | | | |
| | ⊖ | | 🔧 | 🕒 | | |

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

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

4.17. Serial inscriptions (national or transnational)

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

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

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

| | Attribute | Preserved | Compromised | Seriously compromised | Lost |
|----------|---|-----------|-------------|-----------------------|------|
| 4.18.1.1 | Significant on-going geological processes | ✗ | | | |
| 4.18.1.2 | Significant on-going ecological, biological, and evolutionary processes | ✗ | | | |
| 4.18.1.3 | | | | | |
| 4.18.1.4 | | | | | |
| 4.18.1.5 | | | | | |

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 property has **no buffer zone** and **does not need one**

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

The property has **no known and recognised** buffer zone

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

5.2. Protective Measures

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

The Heard Island and McDonald Islands Act 1953 ratifies Australia's sovereignty over the Territory and provides for the legal regime. Under this Act, Ordinances may be made specifically for the Territory. The two most significant Ordinances made for the Territory under this Act are the Environment Protection and Management Ordinance 1987 and the Criminal Procedure Ordinance 1993.

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 property has **no buffer zone**

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

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

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

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

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

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

The property's extreme physical isolation impedes the implementation of its legal framework and management objectives.

5.3. Management System/Management Plan

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

Public management system at national level

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.

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

5.3.4 - Management Documents

| Title | Status | Available | Date | Link to source |
|---|--------|-----------|------|---|
| Hear Island and McDonald Islands Marine Reserve Management Plan | N/A | Available | 2005 |  |

Comment

Hear Island and McDonald Islands Marine Reserve Management Plan 2014-2024 (see <http://heardisland.antarctica.gov.au/protection-and-management/management-plan/download-the-heard-island-and-mcdonald-islands-marine-reserve-management-plan-29>;

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

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

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

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

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

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

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

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

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

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

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

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

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

5.3.13 - Is the management system being implemented?

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

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

No annual work/action plan exists and it is **not needed**

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 | <input checked="" type="checkbox"/> | | | | |
| 5.3.15.4 | Indigenous peoples | <input checked="" type="checkbox"/> | | | | |
| 5.3.15.5 | Women | | <input checked="" type="checkbox"/> | | | |
| 5.3.15.6 | Other specific groups | <input checked="" type="checkbox"/> | | | | |
| | 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 | <input checked="" type="checkbox"/> | | | | |
| 5.3.16.2 | Local/Municipal authorities | <input checked="" type="checkbox"/> | | | | |
| 5.3.16.3 | Indigenous peoples | <input checked="" type="checkbox"/> | | | | |
| 5.3.16.4 | Landowners | <input checked="" type="checkbox"/> | | | | |
| 5.3.16.5 | Women | | <input checked="" type="checkbox"/> | | | |
| 5.3.16.6 | Youth/Children | | <input checked="" type="checkbox"/> | | | |
| 5.3.16.7 | Researchers | | | | | <input checked="" type="checkbox"/> |
| 5.3.16.8 | Local Visitors/Tourists | <input checked="" type="checkbox"/> | | | | |
| 5.3.16.9 | National/International tourists | | | | | <input checked="" type="checkbox"/> |
| 5.3.16.10 | Tourism Industry | | | | | <input checked="" type="checkbox"/> |
| 5.3.16.11 | Local businesses and industries | <input checked="" type="checkbox"/> | | | | |
| 5.3.16.12 | NGOs | | <input checked="" type="checkbox"/> | | | |
| 5.3.16.13 | Other specific groups | <input checked="" type="checkbox"/> | | | | |
| | 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 | <input checked="" type="checkbox"/> | | | | |
| 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) | <input checked="" type="checkbox"/> | | | | |
| 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 | <input checked="" type="checkbox"/> | | | | |
| 5.3.17.4 | The management system of the property integrates a human rights-based approach | <input checked="" type="checkbox"/> | | | | |
| 5.3.17.5 | The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood | <input checked="" type="checkbox"/> | | | | |
| 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 | <input checked="" type="checkbox"/> | | | | |

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

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

6. Financial and Human Resources

6.1. Funding

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

| | | |
|--|---------------|---------------|
| | Project costs | Running costs |
|--|---------------|---------------|

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

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

Australia cannot provide the requested data for 6.1, as funding is spread across a large number of different programs and priorities which may have multiple benefits for particular properties. That is, it is not possible to disaggregate the funding component attributed to each property. Funding comes from the Commonwealth Government.

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

The available **budget is adequate** for effective management of the World Heritage property

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

The existing sources of funding are **secure over both the medium- and long-term**

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

-

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 | 0 % | 50 % |
| 6.1.6.2 | Women | 0 % | 50 % |
| | | Total 0 % | Total 100 % |

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

Human resources are **adequate** for management needs

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

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

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

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

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

-

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

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

-

7. Scientific Studies and Research Projects

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

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

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

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

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

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

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

The property's extreme physical isolation impedes the implementation of its management plan (including its scientific research objectives)

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 | Not applicable |
| Local/municipal authorities | Not applicable |
| Indigenous peoples | Not applicable |
| Landowners | Not applicable |
| Women | Poor |
| Youth/children | Poor |
| Researchers | Good |
| Local visitors | Not applicable |
| National/international tourists | Fair |
| Tourism industry | Fair |
| Local businesses and industries | Not applicable |

| | |
|--|----------------|
| NGOs | Fair |
| Other specific groups | Not applicable |
| If you selected 'Other specific groups', please describe | |

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

There is **no education and awareness programme** for children and/or youth, despite an identified need

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

| |
|---------------------------------|
| Researchers |
| National/international tourists |
| Tourism industry |
| Other specific groups |
| General public |

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

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

9. Visitor Management

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

0 / 0 / 0 / 18 / 0 /

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

| |
|--------------------------|
| Other |
| Number of permits issued |

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

Two overnight stays

9.4 - Please provide the source of information

Australian Antarctic Division records

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

Australian Antarctic Division records

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

There is a planned and **effective strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property

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

-

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

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

9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

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

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

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

The Outstanding Universal Value of the property **is adequately presented and interpreted**

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

Not displayed at all

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

No fees are collected

9.15 - Are there locally driven sustainable tourism initiatives?

Not applicable

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

-

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

-

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

| | |
|--|----------------|
| World Heritage managers/coordinators and staff | Poor |
| Local/municipal authorities | Not applicable |
| Local communities | Not applicable |
| Indigenous peoples | Not applicable |
| Landowners | Not applicable |
| Women | Poor |
| Researchers | Poor |

| | |
|---|----------------|
| Tourism industry | Not applicable |
| Local businesses and industry | Not applicable |
| NGOs | Not applicable |
| Other specific groups | Not applicable |
| If you selected 'Other specific groups', please specify | |

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

No relevant Committee recommendations to implement

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

-

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

-

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

| | | |
|--------|--|---|
| 5.1 | Boundaries and Buffer Zones | |
| 5.1.3 | The property has no buffer zone | ✕ |
| 5.1.4 | The property has no known and recognised buffer zone | ✕ |
| 5.2 | Protective Measures | |
| 5.2.4 | The property has no buffer zone | ✕ |
| 5.2.6 | There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain | ✕ |
| 5.3 | Management System/Management Plan | |
| 5.3.7 | No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property | ✕ |
| 5.3.9 | No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property | ✕ |
| 5.3.13 | The management system at the property is only being partially implemented | ✕ |
| 6.1 | Funding | |
| 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 | ✕ |
| 7.3 | Research results are shared with local communities and partners but there is no active outreach to national or international agencies | ✕ |
| 8 | Education, Information and Awareness Building | |
| 8.2 | There is no heritage education and awareness programme for children and/or youth, despite an identified need | |
| 9 | Visitor Management | |
| 9.11 | There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation | |
| 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 0 more issues.

☒ Please save this question to reflect changes

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

| | | | | | | | |
|--------|--|---|---|--|---|--------------------------------|--|
| 4.7 | Local conditions affecting physical fabric | | | | | | |
| 4.7.8 | | Micro-organisms | | | | | |
| 4.9 | Other human activities | | | | | | |
| 4.9.2 | | Deliberate destruction of heritage | | | | | |
| 4.10 | Climate change and severe weather events | | | | | | |
| 4.10.7 | Other climate change impacts | Climate change increases the risk of the introduction of non-native species. The introduction of non-native species would pose risks to the property's significant on-going ecological, biological, and evolutionary processes. | The property is visited infrequently. Visitors to the property are encouraged to monitor for evidence of non-native species. | Visitors to the property are encouraged to monitor for evidence of non-native species. | Indefinite (visits to the property are infrequent). | Australian Antarctic Division. | - |
| 4.11 | Sudden ecological or geological events | | | | | | |
| 4.11.1 | Volcanic eruption | A sudden ecological event could impact the property's significant on-going ecological, biological, and evolutionary processes. A sudden geological event could impact the property's significant on-going geological processes. | The Reserve is visited infrequently. Visitors to the property are encouraged to monitor for evidence of unusual ecological events. Analysis of periodic satellite imagery of the property may detect evidence of geological events (volcanic eruptions) | Visitors to the property are encouraged to monitor for evidence of unusual ecological events. Analysis of periodic satellite imagery of the property may detect evidence of geological events (e.g. volcanic eruptions). | Indefinite. | Australian Antarctic Division. | - |
| 4.11.4 | Avalanche/Landslide | A sudden geological event, such as an avalanche or landslide, could impact the property's significant on-going geological processes. | The Reserve is visited infrequently. Analysis of periodic satellite imagery of the property may detect evidence of geological events (e.g. a large landslide). | Analysis of periodic satellite imagery of the property may detect evidence of geological events (e.g. a large landslide). | Nil. | Australian Antarctic Division. | - |
| 4.12 | Invasive/alien species or hyper-abundant species | | | | | | |
| 4.12.1 | Translocated species | The introduction of non-native species would pose risks to the property's significant on-going ecological, biological, and evolutionary processes. | The Reserve is visited infrequently. Visitors to the property are encouraged to monitor for evidence of non-native species. | Visitors to the property are encouraged to monitor for evidence of non-native species. | Nil. | Australian Antarctic Division. | - |
| 4.12.2 | Invasive/Alien terrestrial species | The introduction of non-native species would pose risks to the property's significant on-going ecological, biological, and evolutionary processes. | The property is visited infrequently. Visitors to the property are encouraged to monitor for evidence of non-native species. | Visitors to the property are encouraged to monitor for evidence of non-native species. | Nil. | Australian Antarctic Division. | - |
| 4.12.3 | | Invasive/Alien freshwater species | | | | | |
| 4.12.4 | | Invasive/Alien marine species | | | | | |
| 4.12.5 | Hyper-abundant species | A species hyper-abundance could pose risks to the property's significant on-going ecological, biological, and evolutionary processes. | Nil. | Nil. | Nil. | Australian Antarctic Division. | The property is visited infrequently. Visitors hereto have not been encouraged to locate evidence of hyper-abundance of species. |

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

| | | | | | |
|--------|---|--|--|--|---|
| 5.1 | Boundaries and Buffer Zones | | | | |
| | | Actions | Timeframe | Lead agency (and others involved) | More info / comment |
| 5.1.3 | The property has no buffer zone | Nil. The property does not have an identified need for a buffer zone. | Nil. | Australian Antarctic Division. | - |
| 5.1.4 | The property has no known and recognised buffer zone | Nil. The property does not have an identified need for a buffer zone. | Nil. | Australian Antarctic Division. | - |
| 5.2 | Protective Measures | | | | |
| 5.2.4 | The property has no buffer zone | Nil. The property does not have an identified need for a buffer zone. | Nil. | Australian Antarctic Division. | - |
| 5.2.6 | There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain | It is an Australian Antarctic Division target to undertake a management expedition at the property within the next five years. | It is an Australian Antarctic Division target to undertake a management expedition at the property within the next five years. | Australian Antarctic Division. | Given its extreme physical isolation, the property is visited infrequently. Infrequent visitation inhibits the enforcement of legislation (principally monitoring for unauthorised visitors). |
| 5.3 | Management System/Management Plan | | | | |
| 5.3.7 | No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property | The Australian Antarctic Division will read the Policy Document on the Impacts of Climate Change on World Heritage Properties. | Within the next year. | Australian Antarctic Division. | - |
| 5.3.9 | No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property | The Australian Antarctic Division will read the Strategy for Reducing Risks from Disasters at World Heritage Properties. | Within the next year. | Australian Antarctic Division. | - |
| 5.3.13 | The management system at the property is only being partially implemented | The property's extreme physical isolation prevents regular management visits, which subsequently inhibits the implementation of the management system. | It is an Australian Antarctic Division target to undertake a management expedition at the property within the next five years. | Australian Antarctic Division. | - |
| 6.1 | Funding | | | | |
| 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 | Nil. | Nil. | Nil. | The property is uninhabited and extremely isolated. |
| 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 | The property's extreme physical isolation prevents regular science visits, which subsequently inhibits the amount of scientific research undertaken in the property. | It is an Australian Antarctic Division target to undertake a management expedition at the property within the next five years. Science will be a principal aim of such an expedition. | Australian Antarctic Division. | - |
| 7.3 | Research results are shared with local communities and partners but there is no active outreach to national or international agencies | The Australian Antarctic Division shall explore opportunities to share scientific research results concerning the property with national and international agencies. | It is an Australian Antarctic Division target to undertake a management expedition at the property within the next five years. Science will be a principal aim of such an expedition. | Australian Antarctic Division. | - |

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?

Not applicable (sites inscribed exclusively under criteria vii to x (natural World Heritage properties))

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

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

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

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

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

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

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

13. Impact of World Heritage Status

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

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

| | |
|---|----------------|
| Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties | Not applicable |
| Other | Not applicable |
| If 'Other', please specify | |

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

-

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

-

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

| |
|------------|
| Management |
|------------|

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

| |
|--|
| The concept of Outstanding Universal Value |
| The property's Outstanding Universal Value |

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?

| |
|----------------------------|
| Update of management plans |
| Awareness raising |
| 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 **given limited consideration** and implementation is in process.

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

Yes

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

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

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

15.4. Format and content of the Periodic Report

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

Most required information was accessible.

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

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

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

-

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 | Not applicable |
| UNESCO (other sectors/field offices) | Not applicable |
| UNESCO National Commission | Not applicable |
| ICOMOS International | Not applicable |
| IUCN International | Not applicable |
| 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) | Not applicable |
| UNESCO other sectors (e.g. field office) | Not applicable |
| National Commission for UNESCO | Not applicable |
| ICOMOS International | Not applicable |
| ICCROM International/regional | Not applicable |
| ICOMOS national/regional | Not applicable |
| IUCN national/regional | Not applicable |
| IUCN International | Not applicable |

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

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

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

-

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

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

No item were proposed for update

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

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

-

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