

# Yakushima

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property


Yakushima

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Yakushima	30.315 / 130.509	10747	0	10747	1993
<b>Total (ha)</b>		<b>10747</b>	<b>0</b>	<b>10747</b>	

### 1.4 - Map(s)

Title	Date	Link to source
Yakushima - Map of the inscribed property	2012	

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

1. [Natural site datasheet from WCMC](#)

### Comment

Please delete the page below as it is not working. > <http://www.env.go.jp/nature/isan/worldheritage/en/yakushima/index.html> We would like to add the page below. (Yakushima, World Natural Heritage in Japan, Ministry of the Environment) > <http://www.env.go.jp/nature/isan/worldheritage/en/yakushima/index.html>

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

### 2.2 - Please provide comments on 2.1 if necessary

N/A

### 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?

Not applicable

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

No

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

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

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

N/A

**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**

N/A

**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.**

N/A

**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

Yakushima is a primeval temperate rainforest extending from the centre of the almost round-shaped, mountainous Yakushima Island. Situated 60 km off the southernmost tip of Kyushu Island in the southwestern end of Japanese archipelago, the island is located at the interface of the palearctic and oriental biotic regions. Mountains reaching almost 2,000 m high dominate the island, and the property lies in the centre of the island, with arms stretching south, east and west to the coast.

The island ecosystem of Yakushima is unique in the Northern Hemisphere's temperate area with successive vertical plant distributions extending from coastal vegetation with subtropical elements, up through a montane temperate rainforest to a high moor and a cold-temperate bamboo grassland at the central peaks.

The montane temperate rainforest of Yakushima is globally distinct, due to its peculiar ecosystem with abundant rheophytes and epiphytes that have adapted to the high rainfall, in excess of 8,000 mm annually, and resulting humid environment. Home to some 1,900 species and subspecies of flora, 16 mammal species and 150 bird species, it exhibits a rich biodiversity including the landscape of the Japanese cedar (*Cryptomeria japonica*), a primeval forest composed of trees called "Yakusugi", which are over 1,000 years in age.

**Criterion (vii):** Yakushima, despite being a small island, boasts several key features including impressive mountains which rise to nearly 2,000 m, and an outstanding gradient from the high peaks of the central core down to the seacoast. The property is home to a number of extremely large diameter Japanese cedar trees, thousands of years old with the oldest and most spectacular individuals of the species found on Yakushima Island. It contains the last, best example of an ecosystem dominated by the Japanese cedar in a superb scenic setting. Thus, Yakushima is a valuable property having natural areas of biological, scientific and aesthetic significance on a small island.

**Criterion (ix):** Yakushima is an island ecosystem with high mountains—a characteristic rare in the region at around 30 degrees north latitude. It contains a unique remnant of a warm-temperate primeval forest which has been much reduced elsewhere in the region. These forests extend through an altitudinal sequence from the coast up to the central peaks. The property is very important for scientific studies on evolutionary biology, biogeography, vegetation succession, interaction of lowland and upland systems, hydrology, and warm-temperate ecosystem processes.

Integrity

Yakushima comprises one single intact block of land containing a full representation of the different life-zones as well as the pristine and important forests in the centre of the island. The property spans an area from the western coastline to the 2,000 m summit of the island, retaining continuity of vertical vegetation distribution from coastal vegetation with subtropical elements to cold-temperate bamboo grassland and a high moor near the summit. It is an area of primeval warm-temperate forests that have not suffered from adverse effects of development with the conservation history of the property going back to 1924.

The boundaries of the property are complex with a number of historical and administrative factors influencing their location. Despite this the property includes all elements necessary to express its value, for example, encompassing a majority of the virgin forests of Japanese cedar, a Tertiary Period relic. The area of the property is 10,747 ha which occupies about 21% of the island, and it is of adequate size to maintain the value of the property for the long term.

The ancient Yakusugi trees found in the property are of prime conservation value. While impacts from tourism remain a concern the widespread public and political support for the property from the Government agencies, the Prefecture, the town, stakeholders and public bode well for the long-term integrity of the property.

Protection and management requirements

Protected under several pieces of legislation, the majority of the Yakushima is national forest, owned and managed by the national government. Designated in the following protected areas: Yakushima Wilderness Area, Yakushima National Park, Special Natural Monument, and Yakushima Forest Ecosystem Reserve, each of these designations has a system to protect the natural environment of Japan and has strict legal regulations regarding development and other activities. Yakushima National Park was gazette as Kirishima-Yaku National Park in 1964 under the Natural Parks Law and became an independent park in 2012. A Wilderness area of 1,219 ha was designated under the Nature Conservation Law in 1975. This Wilderness area forms a small part of the centre of the property and in conjunction with the Special Protection Zone and the Class 1 Special Zone of the Yakushima National Park, the whole property is under strict protection. Further, a Special Natural Monument designated in 1954 under the Law for the Protection of Cultural Properties, a Forest Ecosystem Reserve designated in 1992 based on the Law on the Administration and Management of National Forests, and some other protected areas constitute the legal instruments used for protection and management of the property. The property adjoins national forests and national park areas, and these provisions intensify the protection of the property.

The Yakushima World Heritage Area Management Plan was formulated in 1995 by the management authorities of each system; the Ministry of the Environment, the Forestry Agency, and the Agency for Cultural Affairs, to facilitate smooth management of the multi-tiered protected area system and species, and the property is managed as a unit based on this plan. In 2012, Kagoshima Prefecture and Yakusima Town joined as the management authorities, and the Plan was revised. The Yakushima World Heritage Area Liaison Committee was established in 1995 by the local offices of these ministries and local governments, to promote conservation management of the property in collaboration and cooperation with the local community. Also, the Yakushima World Heritage Area Scientific Council, comprised of academics and relevant scientists, has been set up in 2009 and is promoting the adaptive conservation management of the property reflecting scientific knowledge.

To minimize the impacts of visitors, often concentrated in a certain place or at a certain time of the year, patrols are conducted and visitor facilities have been improved in landscape-conscious and environment-friendly ways. Comprehensive measures have been taken, including establishing visitor rules and promoting the dispersal of visitor use, while reflecting the opinions of stakeholders such as guides. Areas within the property show some negative impacts on vegetation from grazing by deer as a result of overpopulation. A working group has been established within the Scientific Council in 2010 to address this issue and countermeasures have been taken based on the scientific advice from the group.

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	A number of Japanese cedar trees which are thousands of years old	×			
3.2.2	Continuity of vertical vegetation distribution	×			
3.2.3	Diversity of plant species which form the vertical vegetation distribution	×			
3.2.4	Ferns that reflect the high rainfall environment		×		
3.2.5	Threatened endemic plant species		×		
3.2.6	High moor	×			

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

N/A

## 4. Factors Affecting the Property

### 4.1. Buildings and Development

#### 4.1.1 - Housing

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.1.2 - Commercial development

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.1.3 - Industrial areas

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

- Not relevant

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

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.1.5 - Interpretative and visitation facilities

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

- Relevant, Positive, Current, Inside, Outside

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

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

By installing signboards around the World Heritage area, we are making visitors aware that it is a World Heritage area, and promoting the proper use. In addition, information facilities for visitors such as the World Heritage Center, Environmental and Cultural Village Center, and Yakusugi Museum have been set up around the property to provide information.

### 4.2. Transportation Infrastructure

#### 4.2.1 - Ground transport infrastructure

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.2.2 - Underground transport infrastructure

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

- Not relevant











Relevant	✕ Not relevant
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#### 4.2.3 - Air transport infrastructure

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

- Not relevant

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

#### 4.2.4 - Marine transport infrastructure

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

- Not relevant

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

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

- Not relevant

Relevant	✕ Not relevant
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#### 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

On Yakushima Island, an extension of the existing airport runway located outside the property is planned. Based on the Environmental Impact Assessment Act, the environmental assessment procedure is being carried out properly. In addition, the Yakushima World Heritage Area Management Plan is being revised in anticipation of the impact of an increase in number of visitors due to the extension of the runway. We will make effort for proper use based on this plan.

### 4.3. Services Infrastructures

#### 4.3.1 - Water infrastructure

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.3.2 - Renewable energy facilities

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.3.3 - Non-renewable energy facilities

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.3.4 - Localised utilities

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.3.5 - Major linear utilities

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

- Not relevant

Relevant	✕ Not relevant
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**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**

N/A

**4.4. Pollution**

**4.4.1 - Pollution of marine waters**

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

- Not relevant

Relevant

✕ Not relevant

**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**

N/A

**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):

- Relevant, Negative, Potential, Inside

✕ Relevant

Not relevant

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

#### 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

N/A

### 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

N/A

#### 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

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

##### 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

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










##### 4.7.7 - Pests

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

- Relevant, Negative, Potential, Inside, Outside

✕ Relevant

Not relevant

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

#### 4.7.8 - Micro-organisms

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

- Relevant, Negative, Potential, Inside, 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

An infectious disease caused by the alien pine wood nematode (*Bursaphelenchus xylophilus*), which is transmitted by the native Japanese pine sawyer (*Monochamus alternatus*), has occurred on Yakushima Island. Due to this infectious disease, several Yakushima white pines (*Pinus eamamiana*), endemic to Yakushima and Tanegashima Islands, were withered inside the property. Relevant organizations and local stakeholders are working together on the control measures based on the advice of experts.

### 4.8. Social/Cultural uses of heritage

#### 4.8.1 - Ritual/Spiritual/Religious and associative uses

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

- Relevant, Positive, Current, Outside

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

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

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.8.3 - Indigenous hunting, gathering and collecting

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

- Not relevant

Relevant	✕ Not relevant
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#### 4.8.4 - Changes in traditional ways of life and knowledge system

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

- Not relevant

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

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

- Relevant, Positive, Current, Outside


















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

#### 4.8.6 - Impacts of tourism/Visitation/Recreation

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

- Relevant, Positive, Negative, Current, Outside

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

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




The quality of interpretation by tour guides is improving, partly due to the effect of official certificated guide system launched in 2016. In addition, the number of visitors to Yakushima and the World Heritage area has decreased compared to 10 years ago, and the negative impact of visitors on the property has decreased accordingly.

#### 4.9. Other human activities

##### 4.9.1 - Illegal 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 							

##### 4.9.2 - Deliberate destruction of heritage

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

- Not relevant

Relevant	 Not relevant
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##### 4.9.3 - Military training

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

- Not relevant

Relevant	 Not relevant
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##### 4.9.4 - War

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

- Not relevant

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

##### 4.9.5 - Terrorism

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

- Not relevant

Relevant	 Not relevant
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##### 4.9.6 - Civil unrest

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

- Not relevant

Relevant	 Not relevant
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#### 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


N/A















#### 4.10. Climate change and severe weather events

##### 4.10.1 - Storms

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 							

#### 4.10.2 - Flooding

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

- Not relevant

Relevant	 Not relevant
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#### 4.10.3 - Drought

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

- Not relevant

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

#### 4.10.4 - Desertification

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

- Not relevant

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

#### 4.10.5 - Changes to oceanic waters

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

- Not relevant













Relevant	 Not relevant
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#### 4.10.6 - Temperature change

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

- Relevant, Negative, Potential, Outside

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

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

#### 4.10.7 - Other climate change impacts

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

- Not relevant

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

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

N/A













### 4.11. Sudden ecological or geological events

#### 4.11.1 - Volcanic eruption

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

- Not relevant

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

Impact	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):

- Not relevant

Relevant

✕ Not relevant

#### 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**

An explosive eruption occurred in 2015 at a volcano on Kuchinoerabujima Island, which is located more than 10 km away from Yakushima Island. The impact of the eruption on the property has not been observed, but it is necessary to continue to monitor the status of volcanic activity as a potential factor affecting the property.

### 4.12. Invasive/alien species or hyper-abundant species

#### 4.12.1 - Translocated species

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

- Not relevant

Relevant

✕ Not relevant

#### 4.12.2 - Invasive/Alien terrestrial species

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

- Relevant, Negative, Potential, Inside, 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):

- Not relevant

Relevant

✕ Not relevant

#### 4.12.4 - Invasive/Alien marine species

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

- Not relevant

Relevant

✕ Not relevant

#### 4.12.5 - Hyper-abundant species















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

- Relevant, Negative, Current, Inside, Outside

✕ 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


See 4.7.9

### 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, Current, Inside, 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):

- Relevant, Positive, Current, Inside, Outside

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

4.13.8 - High impact research/monitoring activities

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

- Not relevant

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

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

N/A




























4.14. Other factor(s)

4.14.1 - Other factor(s)

N/A

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact			Origin		Trend
4.1 Buildings and Development						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.3 Air transport infrastructure						
						
4.5 Biological resource use/modification						
4.5.6 Commercial wild plant collection						
						
4.7 Local conditions affecting physical fabric						
4.7.2 Relative humidity						
4.7.6 Water (rain/water table)						
4.7.7 Pests						
						
4.7.8 Micro-organisms						

4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses						
4.8.5 Identity, social cohesion, changes in local population and community						
4.8.6 Impacts of tourism/Visitation/Recreation						
4.9 Other human activities						
4.9.1 Illegal activities						
4.10 Climate change and severe weather events						
4.10.1 Storms						
4.10.6 Temperature change						
4.11 Sudden ecological or geological events						
4.11.1 Volcanic eruption						
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial 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						
4.13.7 Low impact research/monitoring activities						
<b>Legend</b> Current  Potential  Negative  Positive  Inside  Outside						

4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name		Impact			Origin		Trend
4.1.5 Interpretative and visitation facilities							

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 - Occurence of the impact

<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes

<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond

<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Developement over the last 6 years

<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

4.2 Transportation Infrastructure




Name		Impact			Origin		Trend
4.2.3 Air transport infrastructure							

Spatial scale - Area affected by the factor

<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

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





## 4.5 Biological resource use/modification

Name	Impact			Origin		Trend
4.5.6 Commercial wild plant collection						
						

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

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

#### 4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.2 Relative humidity	 	 	





<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
✕	Widespread

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

<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major






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

<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

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






<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised

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

Name	Impact			Origin		Trend
4.7.7 Pests						
						

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

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

Name	Impact	Origin	Trend
4.7.8 Micro-organisms			
	 	 	

#### Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

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

#### Impact - Impact on the attributes

✕	Insignificant
	Minor
	Significant
	Major



#### Management response - Capacity of management to respond

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

#### Trend - Development over the last 6 years

	Decreasing
	Static
✕	Increasing

## 4.8 Social/Cultural uses of heritage

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

#### Spatial scale - Area affected by the factor









✕	Restricted
---	------------

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

Name	Impact	Origin	Trend
4.8.5 Identity, social cohesion, changes in local population and community	<div> <div>+</div> <div>🚧</div> <div></div> </div>	<div> <div>🌱</div> <div></div> </div>	<div> <div>➡</div> </div>
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> </div>




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

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

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






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

## 4.9 Other human activities

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

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

#### 4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.1 Storms	 		
	 		

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

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

Name	Impact	Origin	Trend
4.10.6 Temperature change			
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✕	Localised
	Extensive
	Widespread

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

<b>Impact - Impact on the attributes</b>	
✕	Insignificant
	Minor
	Significant
	Major

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

## 4.11 Sudden ecological or geological events





Name	Impact	Origin	Trend
4.11.1 Volcanic eruption			

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

#### 4.12 Invasive/alien species or hyper-abundant species

Name	Impact			Origin		Trend
4.12.2 Invasive/Alien terrestrial species						
<b>Spatial scale - Area affected by the factor</b>						
✕	Restricted					
	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
	One off or rare					
	Intermittent or sporadic					
	Frequent					
✕	On-going					
<b>Impact - Impact on the attributes</b>						

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

Name	Impact			Origin		Trend
4.12.5 Hyper-abundant species						
						

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

	Decreasing
	Static
	Increasing

Name		Impact			Origin		Trend
4.13.2 Legal framework							




Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - 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

Name	Impact			Origin		Trend
4.13.3 Governance						

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

✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.4 Management activities	 	 	

#### Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence of the impact

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

#### Impact - Impact on the attributes





	Insignificant
	Minor
✕	Significant
	Major

#### Management response - Capacity of management to respond

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

#### Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.5 Financial resources	 		




#### Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic






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

Name	Impact			Origin	Trend
4.13.6 Human resources					

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

✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	 	 	

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

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

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

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

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

#### 4.17. Serial inscriptions (national or transnational)

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

This property is not serial.

#### 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	A number of Japanese cedar trees which are thousands of years old	✕			
4.18.1.2	Continuity of vertical vegetation distribution	✕			
4.18.1.3	Diversity of plant species which built the vertical vegetation distribution	✕			
4.18.1.4	Ferns that reflect the high rainfall environment		✕		
4.18.1.5	Threatened endemic plant species		✕		

## 5. Protection and Management of the Property

### 5.1. Boundaries and Buffer Zones

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

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

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

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

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

The 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

Although no buffer zone has been set as defined by the Operational Guideline, surrounding natural park serves as a functional buffer zone. In 2002, an area close to the property, which has some old Japanese cedar trees, was newly upgraded to a Special Protection Zone of national park, and an area of approximately 2,300ha adjacent to the property has been incorporated into the Special Zone of national park. Such upgrade or expansion of the national park strengthened the protection of the site.

### 5.2. Protective Measures

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

Protected under several pieces of legislation. A National Park Special Area, was gazetted in 1964 under the National Parks Law. A Wilderness area, designated under the Nature Conservation Law in 1975, forms a small part of the centre of the recommended area. Under the Law of Protection of Cultural Properties, 4,300ha was established as a Special Natural Monument Area. A Forest Ecosystem Reserve was established in 1992, comprising the property and various adjacent blocks of land.

The property includes the following protected areas: National Park (designated in 1964; building of new structures, taking of plants and animals, etc. requires permission), Wilderness Area, and Forest Ecosystem Reserve (1992; area in principle left to take its natural course without human intervention), etc. Some species of the wildlife in the site have been designated as Natural Monuments.

Source: Periodic Reporting Cycle 2

#### 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 **adequate capacity/resources** to enforce legislation and/or regulation in the World Heritage property

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

The majority of the property is national forest. Based on laws and regulations, the property is designated as National Park (area that requires permission for new construction of structures, collection of animals and plants, etc.), Wilderness area, Forest Ecosystem Reserve (areas that are left to natural transition without human interference in principle), and so on. In addition, some of the animals that live in the property are designated as Natural Monuments.

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

N/A

### 5.3. Management System/Management Plan

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

Public management system joint national/ local

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.
Other forms of statutory or non-statutory plans (e.g. strategic plans)
Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups
A management plan
An annual work plan or business plan

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

Management authorities (Ministry of the Environment, Forestry Agency, Agency for Cultural Affairs, Kagoshima Prefecture and Yakushima Town) manage the property as a unit based on the Management Plan. In addition, a Liaison Committee consisting of the management authorities and local groups has been set up to promote conservation and management through cooperation and collaboration with local stakeholders. Furthermore, a Scientific Council has been set up to provide scientific advice.

### 5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Yakushima World Heritage Area Management Plan	N/A	Available	1995	

### Comment

[Legal management plan or Zoning plan] - Yakushima National Park Plan (2012) - Yakushima Wilderness Area Conservation Plan (1975) - Yakushima Forest Ecosystem Reserve Conservation Management Plan - Prefectural Wildlife Protection Area Designation Plan - Category 2 Specified Wildlife Management Plan (Yaku-sika Deer) (2017) [World Heritage Management Plan] - Yakushima World Heritage Area Management Plan (2012) - Yakushima World Heritage Area Monitoring Plan (2012)

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

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

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

N/A

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

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

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

Monitoring items such as meteorological data are included in the Monitoring Plan in order to understand the impact 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

N/A

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

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

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

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

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

The management system is being **fully implemented and monitored**

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

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

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

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities				✕	
5.3.15.2	Local authorities					✕
5.3.15.3	Landowners in the property and the buffer zone					✕

5.3.15.4	Indigenous peoples	×				
5.3.15.5	Women					×
5.3.15.6	Other specific groups	×				
	If you selected, 'Other specific groups' please specify					

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

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

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

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

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

A system has been established in which management bodies (administrative organs) and stakeholders (local residents, experts, etc.) cooperate to carry out conservation and management of the property while sharing information. Therefore, we consider that the management system of the property is appropriate.

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

Based on the World Heritage Area Management Plan, we are conducting adaptive management by the PDCA cycle, such as formulating an annual project plan and reporting it to the Scientific Council, and evaluating the project results of previous year. In addition to the Management Plan, implementation plans for specific projects have been formulated, and various measures are being conducted.(e.g. see "14. Good Practice")

**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)	88 %	60 %
6.1.1.7	Governmental (regional/provincial/state)	12 %	12 %
6.1.1.8	Governmental (local/municipal)	0 %	20 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	8 %
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 100 %	Total 100 %

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

N/A

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

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

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

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

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

N/A

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	%	%
6.1.6.2	Women	%	%
		Total 0 %	Total 0 %

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

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

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

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

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

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

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

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

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

N/A

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

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

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

N/A

**7. Scientific Studies and Research Projects**

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

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

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

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

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

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

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

N/A

**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	Fair
Local/municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Good
Women	Fair
Youth/children	Fair
Researchers	Good
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Fair

Local businesses and industries	Fair
NGOs	Good
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	

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

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

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

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

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

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

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

N/A

**9. Visitor Management**

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

252,965 / 280,336 / 295,972 / 267,364 / 274,095 /

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

Transportation services
-------------------------

**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**

Yakushima Town Ministry of the Environment

**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**

N/A

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

There is a **strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are **some deficiencies in implementation**

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

N/A

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

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

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

Assessment is conducted by the Scientific Council and so on, based on the Management Plan and Monitoring Plan.

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

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

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

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

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

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

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

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

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

The official certificated guide system, donation system for environmental conservation and the regulation for privately owned cars.

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

Yes

If 'Yes', please specify

Increased tourism-related income

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

- The official certificated guide system, donation system for environmental conservation, and the regulation for privately owned cars have been strengthened or maintained and are being operated appropriately. - The Vision for Appropriate Use in Mountainous Area of Yakushima using ROS (Recreation Opportunity Spectrum) has been formulated, and efforts are being made for appropriate tourism management in collaboration with relevant organizations.

10. Monitoring

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

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

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

Information on the values of the World Heritage property is **adequate and key indicators have been defined** for measuring the state of conservation and **are being used in monitoring** of how the Outstanding Universal value of the property is being maintained

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

	Extend of indicators	Not applicable	No indicators	Indicators have been defined but are not yet in use	Indicators are in place and in use since the last Periodic Reporting cycle
10.3.1	State of conservation				✕
10.3.2	Effectiveness of the management system		✕		
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

Indicators include: [Impact on attributes of OUV] Area and species composition of Japanese cedar natural forest Number of branches and leaf volume of well-known individual tree of "Yakusugi", which is Japanese cedar with over 1,000 years in age. Number of plant species which form the vertical vegetation distribution Number of habitats and individuals of threatened endemic plant species [Impact of visitors] Number of hikers Condition of degradation and vegetation change around the mountai

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Good
Local communities	Non-existent
Indigenous peoples	Not applicable
Landowners	Good
Women	Poor
Researchers	Good
Tourism industry	Fair
Local businesses and industry	Not applicable
NGOs	Fair
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.

N/A

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

In 2012, the Yakushima World Natural Heritage Area Monitoring Plan was formulated, which stipulates basic monitoring policy, management goals, monitoring items, and evaluation methods, in order to promote adaptive management based on scientific knowledge.

### 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 <b>no buffer zone</b>	✕
5.1.4	The property has <b>no known and recognised buffer zone</b>	✕
5.2	Protective Measures	
5.2.4	The property has <b>no buffer zone</b>	✕
5.3	Management System/Management Plan	
5.3.5	<b>No use</b> has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	<b>Some use</b> has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	✕
5.3.9	<b>No use</b> has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	
6.1	Funding	
6.1.3	The available <b>budget is acceptable</b> but <b>could be further improved</b> to fully meet the management needs of the World Heritage property	
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	✕
6.1.10	<b>No use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	
8	Education, Information and Awareness Building	
8.2	There is a planned education and awareness programme for children and/or youth <b>but it only partly meets the needs</b>	✕
9	Visitor Management	
9.7	There <b>is a strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are <b>some deficiencies in implementation</b>	✕
9.9	There is <b>some management</b> of the visitor use of the World Heritage property	

Please select 2 more issues.

☒ Please save this question to reflect changes

## 12. Summary and Conclusions

### 12.1. Summary - Factors affecting the Property

#### 12.1.1 - Summary - Factors affecting the Property

4.2	Transportation Infrastructure						
4.2.3	Air transport infrastructure	The extension of airport runway is planned, but since it is located far outside the property and national park area, there is no direct impact on OUV. The number of visitors will increase, which may have an indirect impact.	The World Heritage Management Plan is being revised in anticipation of the impact of an increase in visitors. We will make effort for proper use based on this plan.	The number of visitors to the island and the number of users at major tourist spots are counted based on the monitoring plan. (Since airport construction has not started, there is no change in the trend at this time)	The heritage management plan will be revised from 2021 to 2022. We will continue the monitoring.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None
4.7	Local conditions affecting physical fabric						
4.7.7	Pests	Due to an infectious disease caused by alien pine wood nematode, several Yakushima white pines, endemic to Yakushima and Tanegashima Islands, have been withered.	We are monitoring the damage situation and considering countermeasures based on its results. In addition, the trees damaged by infectious diseases are being cut down and carried out.	We are investigating the distribution and growth of Yakushima white pine in its habitat.	We will continue to take measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None
4.7.8	Micro-organisms	Same as 4.7.7	Same as 4.7.7	Same as 4.7.7	Same as 4.7.7	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None
4.8	Social/Cultural uses of heritage						
4.8.6		Impacts of tourism/Visitation/Recreation					
4.9	Other human activities						
4.9.1		Illegal activities					
4.10	Climate change and severe weather events						
4.10.1		Storms					
4.10.6	Temperature change	Although changes in temperature may affect vegetation, no significant impacts have been observed at this time.	The relevant organs cooperate to carry out continuous monitoring to understand the impact.	Based on the monitoring plan, we are investigating meteorological data, vegetation dynamics, and distribution of rare and endemic species. The results are evaluated by the Scientific Council.	We will continue the monitoring.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture	None
4.11	Sudden ecological or geological events						
4.11.1		Volcanic eruption					
4.12	Invasive/alien species or hyper-abundant species						

4.12.2	Invasive/Alien terrestrial species	Same as 4.7.7	Same as 4.7.7	Same as 4.7.7	Same as 4.7.7	Same as 4.7.7	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town
4.12.5	Hyper-abundant species	Impact on vegetation due to feeding damage by Yaku-sika deers	see "14. Good Practice"	Based on the monitoring plan, we are monitoring the vegetation and the status of Yaku-sika population. The results are evaluated by the Scientific Council.	We will continue to take measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None

Question not completed

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

5.1	<b>Boundaries and Buffer Zones</b>					
		<b>Actions</b>	<b>Timeframe</b>	<b>Lead agency (and others involved)</b>	<b>More info / comment</b>	
5.1.3	The property has <b>no buffer zone</b>	Surrounding national park serves as a functional buffer zone, and appropriate protection and management are being promoted in accordance with laws and regulations.	We will continue to promote measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None	
5.1.4	The property has <b>no known and recognised buffer zone</b>	Same as 5.1.3	Same as 5.1.3	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None	
5.2	<b>Protective Measures</b>					
5.2.4	The property has <b>no buffer zone</b>	Same as 5.1.3	Same as 5.1.3	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None	
5.3	<b>Management System/Management Plan</b>					
5.3.7	<b>Some use</b> has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	We will continue to monitor meteorological data, evaluate the impact on the natural environment such as vegetation, and consider countermeasures.	We will continue to promote measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None	
6.1	<b>Funding</b>					
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	Depending on the needs, relevant organs will make effort to secure more personnel.	We will continue to promote measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None	
8	<b>Education, Information and Awareness Building</b>					
8.2	There is a planned education and awareness programme for children and/or youth <b>but it only partly meets the needs</b>	We will improve existing programs and systematically add programs.	We will continue to promote measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None	
9	<b>Visitor Management</b>					

9.7	There is a <b>strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are <b>some deficiencies in implementation</b>	The official guide system, donation system for conservation, and the regulation for cars are being operated appropriately. The Vision for Appropriate Use in Mountainous Area of Yakushima using Recreation Opportunity Spectrum has been formulated.	We will continue to promote measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None
9.12	The presentation and interpretation of the Outstanding Universal Value of the property <b>is acceptable but improvements could be made</b>	We will improve existing exhibits and add new ones.	We will continue to promote measures.	Ministry of the Environment, Forestry Agency, Kagoshima Prefecture, Yakushima Town	None

#### 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 impacted by factors described in this report, but this situation is being addressed through effective management actions.**

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

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

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

None

### 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	Very positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Very positive
Education	Positive
Infrastructure development	Very positive
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Positive
Advocacy	Positive
Institutional coordination	Very positive
Security	Not applicable
Gender equality	Positive
Provision of ecosystem services/ benefits to local communities	Positive

Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Positive
Fostering inclusive local economic development and enhancing livelihood	Positive
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

N/A

## 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

A large number of Yaku-sika deers inhabit on Yakushima Island, and their feeding behavior causes the degradation of understory vegetation and the decrease in biodiversity of forests. For this reason, the relevant administrative organs have set the target of optimum population for Yaku-sika management and systematically captured the deers with the aim to reduce the estimated population from 21,000-31,000 in 2015 to about 9,000 in 2021. In addition, we have been monitoring the population density of Yaku-sika and condition of forest vegetation. As a result, the estimated deer population decreased to 10,000-15,000 in 2019. In 2018, four management goals and evaluation indicators were set to assess the status of vegetation recovery, and a systematic monitoring system was established.

<Management goal> (1) Recovery of the coverage of forest floor by ferns that reflect the high rainfall environment (2) Recovery of the diversity of plant species that form the vertical vegetation distribution, which constitutes OUV of Yakushima natural World Heritage (3) Recovery of the plant species preferred by Yaku-sika (4) Conservation of threatened endemic plant species The monitoring data is discussed annually by the Scientific Council consisting of experts. The council evaluates the recovery status of vegetation and gives advice for improving countermeasures. Regarding (2) above, it was confirmed that the number of plant species has generally increased in each altitude zone in the southern, northern and central parts of the island from 2002 to 2017. In addition to the above-mentioned population management of Yaku-sika, fences for vegetation protection have been installed at about 100 points to conserve forest floor vegetation. Within the fences, forest floor vegetation, including threatened plant species, is recovering. We will continue the adaptive management based on scientific data to further restore the forest ecosystem.

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

State of Conservation
Management

## 15. Assessment of the Periodic Reporting Exercise

### 15.1. Relevance of Periodic Reporting

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

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

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

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

### 15.2. Use of Data

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

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

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

N/A

### 15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff

Focal points of other international conventions/programmes
Responsible persons for local designated sites under other international conventions/ programmes
Staff from other World Heritage properties
Local communities
External experts

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

Gender balance is explicitly considered and effectively implemented in the process.

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

Yes

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

20 / 10 / 10 /

### 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

We would appreciate if there is an explanation of the changes in the questions from the previous cycle and if we could see previous answers.

## 15.5. Training and Guidance

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

UNESCO World Heritage Centre	Fair
UNESCO (other sectors/field offices)	Fair
UNESCO National Commission	Fair
ICOMOS International	Not applicable
IUCN International	Fair
ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Fair

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

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

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

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?**

N/A

**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**

N/A

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