

# Ogasawara Islands

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property


Ogasawara Islands

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Kitanoshima and peripheral reefs	27.718 / 142.1	34	?	34	2011
Mukojima and peripheral reefs	27.681 / 142.139	285	?	285	2011
Nakodajima and peripheral reefs	27.628 / 142.178	147	?	147	2011
Yomejima and peripheral reefs	27.496 / 142.211	77	?	77	2011
Otojojima and peripheral reefs	27.166 / 142.191	536	?	536	2011
Anijima and peripheral reefs	27.123 / 142.21	812	?	812	2011
Some parts of Chichijima and peripheral reefs	27.07 / 142.209	1410	?	1410	2011
Nishijima and peripheral reefs	27.117 / 142.167	51	?	51	2011
Higashijima and peripheral reefs	27.093 / 142.245	26	?	26	2011
Minamijima and peripheral reefs	27.038 / 142.175	33	?	33	2011
Marine area	0 / 0	1171	?	1171	2011
Some parts of Hahajima and peripheral reefs	26.667 / 142.156	1419	?	1419	2011
Mukohjima and peripheral reefs	26.603 / 142.13	144	?	144	2011
Hirajima and peripheral reefs	26.585 / 142.155	64	?	64	64
Meijima and peripheral reefs	26.569 / 142.232	94	?	94	2011
Anejima and peripheral reefs	26.554 / 142.156	153	?	153	2011
Imotojima and peripheral reefs	26.559 / 142.21	131	?	131	2011
Marine area	0 / 0	410	?	410	2011
Kita-iwoto and peripheral reefs	25.433 / 141.282	557	?	557	2011
Minami-iwoto	24.235 / 141.463	355	?	355	2011
Nishinoshima and peripheral reefs	27.247 / 140.876	30	?	30	2011
<b>Total (ha)</b>		<b>7939</b>	<b>0</b>	<b>7939</b>	

### 1.4 - Map(s)

Title	Date	Link to source
Ogasawara Islands - inscribed property	2011	

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

1. [Ogasawara Islands Nature Information Centre \(Japanese, English\)](#)

## 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
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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?

No

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

No

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

<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

The Ogasawara Islands are located in the North-Western Pacific Ocean roughly 1,000 km south of the main Japanese Archipelago. The serial property is comprised of five components within an extension of about 400 km from north to south and includes more than 30 islands, clustered within three island groups of the Ogasawara Archipelago: Mukojima, Chichijima and Hahajima, plus an additional three individual islands: Kita-iwoto and Minami-iwoto of the Kazan group and the isolated Nishinoshima Island. These islands rest along the Izu-Ogasawara Arc Trench System. The property totals 7,939 ha comprising a terrestrial area of 6,358 ha and a marine area of 1,581 ha. Today only two of the islands within the property are inhabited, Chichijima and Hahajima.

The landscape is dominated by subtropical forest types and sclerophyllous shrublands surrounded by steep cliffs. There are more than 440 species of native vascular plants with exceptionally concentrated rates of endemism as high as 70% in woody plants. The islands are the habitat for more than 100 recorded native land snail species, over 90% of which are endemic to the islands.

The islands serve as an outstanding example of the ongoing evolutionary processes in oceanic island ecosystems, as evidenced by the high levels of endemism; speciation through adaptive radiation; evolution of marine species into terrestrial species; and their importance for the scientific study of such processes.

**Criterion (ix):** The property's ecosystems reflect a range of evolutionary processes illustrated through its rich assemblage of plant species from both a Southeast Asian and a Northeast Asian origin. There is also a very high percentage of endemic species in selected taxonomic groups, resulting from these evolutionary processes. Within the flora it is an important centre for active, ongoing speciation.

The Ogasawara Islands provide valuable evidence of evolutionary processes through their significant on-going ecological processes of adaptive radiation in the evolution of the land snail fauna as well as in their endemic plant species. The examples of fine-scale adaptive radiation between and sometimes within the different islands of the archipelago are central to the study and understanding of speciation and ecological diversification. This is further enhanced by the relatively low extinction rates in taxa such as the land snails.

It is the combination of both the concentration of endemism and extent of adaptive radiation evident in the Ogasawara Islands which sets the property apart from other places illustrating evolutionary processes. When taking into account their small area, the Ogasawara Islands show exceptionally high levels of endemism in land snails and vascular plants.

#### Integrity

The boundaries of the serial property cover the key values of the property and are well designed. The zonation and the legal protection provide an appropriate framework, while the boundaries of Ogasawara National Park serve as a functional overall buffer zone. Marine protected areas are partly included, contributing to more effective management of the terrestrial-marine interface and thus integrity. Integrity issues are mostly related to external threats, most importantly invasive alien species. The effects of invasive alien species and historic logging have already altered many of the archipelago's habitats. Future invasions have the potential to compromise the very values the Ogasawara Islands have been recognized for and therefore need careful and continuous attention. Possible future air access, as well as increased visitation and corresponding development potentially have strong and even irreversible effects in a fragile island environment. Control of access to the islands and of alien invasive species, two in part overlapping issues, is of critical importance for the conservation of the archipelago.

#### Protection and management requirements

The majority of the property is state-owned and under the authority of various agencies. Some land is owned by Ogasawara Village with some other areas privately owned. The property contains five legally designated categories of protected area managed by three national Government agencies and is surrounded by the much larger Ogasawara National Park serving as a functional buffer zone. The property is protected through seven pieces of national legislation which overlap in

jurisdiction and objectives specifying the mandate of the Ministry of the Environment, the Forestry Agency and the Cultural Agency. Any jurisdictional conflicts are resolved through an interagency Regional Liaison Committee structure.

The 2010 multi-agency Ogasawara Islands Management Plan and companion Ogasawara Islands Ecosystem Conservation Action Plan cover a wide area of 129,360 ha and include controls beyond the property such as ship navigation routes. The plans deal with critical issues such as access to the islands and control of alien invasive species. Management activities are detailed for the different island groups within the property with clear coordination mechanisms and monitoring plans prescribed. The plan is based on scientific knowledge and includes timetabled and prioritized actions.

The property benefits from strong links and dialogue between researchers, managers and community. Particularly commendable is the role of the Scientific Council and the approach to research which is adaptive and management-oriented. Local involvement and the maintenance of community benefits are crucial elements in the management of this remote archipelago.

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	High level of endemism in vascular plant, adaptive radiation	✕			
3.2.2	High level of endemism in land snail, adaptive radiation	✕			
3.2.3	High level of endemism in insect	✕			
3.2.4	Distribution of important bird habitats	✕			
3.2.5					
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

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

Although the attributes of OUV are preserved, the invasion of alien species is an issue. We are continuing to take measures including: - Eradication of alien plants with some success. - Eradication of alien rats by rodenticides, which is showing the results such as recovery of seabird breeding. - Eradication of feral goats, their last population remains on Chichijima. - Measures to prevent unintentional introduction of alien predatory flatworm. - Measures to prevent the spread of the green anole.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Relevant	✕ Not relevant
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4.1.2 - Commercial development

Relevant	✕ Not relevant
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4.1.3 - Industrial areas

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

Relevant	✕ Not relevant
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4.1.5 - Interpretative and visitation facilities

✕ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	🌐 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive ✕	✕		✕			→	

Negative							
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**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**

The Ogasawara World Heritage Center was opened in May 2017 in a residential area outside the property as a base for interpretation of the value and conservation efforts of the Ogasawara Islands as a natural World Heritage, as well as a base for conservation and management of the site.

## 4.2. Transportation Infrastructure

### 4.2.1 - Ground transport infrastructure

Relevant	Not relevant
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### 4.2.2 - Underground transport infrastructure

Relevant	Not relevant
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### 4.2.3 - Air transport infrastructure

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

### 4.2.4 - Marine transport infrastructure

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

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**

Currently, we are conducting surveys outside the property as part of the ongoing efforts to work out a draft plan for air routes ,and there is no impact on the property. It will be checked if there are any actual impacts by conducting an Environmental Impact Assessment, as the World Heritage Committee requested when it decided to inscribe the property on the World Heritage List.

## 4.3. Services Infrastructures

### 4.3.1 - Water infrastructure

Relevant	Not relevant
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### 4.3.2 - Renewable energy facilities

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

### 4.3.3 - Non-renewable energy facilities

Relevant	Not relevant
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### 4.3.4 - Localised utilities

Relevant	Not relevant
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### 4.3.5 - Major linear utilities

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

Construction of the solar power plant on Hahajima Island is still in the planning stage, and there is no impact on the property.

### 4.4. Pollution

#### 4.4.1 - Pollution of marine waters

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.4.2 - Ground water pollution

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.4.3 - Surface water pollution

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.4.4 - Air pollution

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.4.5 - Solid waste

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.4.6 - Input of excess energy

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

n/a

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources

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

#### 4.5.2 - Aquaculture

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.5.3 - Land conversion

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.5.4 - Livestock farming/Grazing of domesticated animals

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.5.5 - Crop production

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.5.6 - Commercial wild plant collection

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.5.7 - Subsistence wild plant collection

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.5.8 - Commercial hunting

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.5.9 - Subsistence hunting

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.10 - Forestry/Wood production

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

The fishery has been practiced in sustainable manner since before inscription, and efforts for sustainable fisheries are being implemented in accordance to the "Ogasawara Islands Management Plan".

4.6. Physical resource extraction

4.6.1 - Mining

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

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.6.3 - Oil and gas

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.6.4 - Water (extraction)

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

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

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

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

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

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.7.6 - Water (rain/water table)

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

4.7.7 - Pests

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

4.7.8 - Micro-organisms

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

-Strong typhoons and droughts, which have given positive influences to the ecosystem of the site for long years, are becoming negative factors because it induces the proliferation of alien plants. - Pests have a serious negative impact on the ecosystem, including the land snail fauna which represent the OUV. Measures are being taken to eradicate and prevent new invasions with some success.

### 4.8. Social/Cultural uses of heritage

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

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.2 - Society's valuing of heritage

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.3 - Indigenous hunting, gathering and collecting

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.4 - Changes in traditional ways of life and knowledge system

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.5 - Identity, social cohesion, changes in local population and community

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

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

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

#### 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

As the property's recognition increased, voluntary rules were established and protection and conservation activities were expanded.

### 4.9. Other human activities

#### 4.9.1 - Illegal activities

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.9.2 - Deliberate destruction of heritage

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.9.3 - Military training

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

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

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.9.6 - Civil unrest

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

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

##### 4.10.2 - Flooding

Relevant	✕ Not relevant
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##### 4.10.3 - Drought

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

##### 4.10.4 - Desertification

Relevant	✕ Not relevant
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##### 4.10.5 - Changes to oceanic waters

Relevant	✕ Not relevant
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##### 4.10.6 - Temperature change

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

##### 4.10.7 - Other climate change impacts

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











#### 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

Natural phenomena such as strong typhoons and droughts, which have given positive influences to the ecosystem of the site for long years, are becoming negative factors because it induces the proliferation of IAS. It also gives serious impacts on the conservation measures, e.g. damage to the exclusion fence for IAS.

#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		

Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕		✕				
 Negative							

#### 4.11.2 - Earthquake

Relevant	✕ Not relevant
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#### 4.11.3 - Tsunami/Tidal wave

Relevant	✕ Not relevant
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#### 4.11.4 - Avalanche/Landslide

Relevant	✕ Not relevant
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#### 4.11.5 - Erosion and siltation/Deposition

Relevant	✕ Not relevant
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#### 4.11.6 - Fire (wildfire)

Relevant	✕ Not relevant
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#### 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

On Nishinoshima Island, a new eruption started in 2013 and is continuing. The whole island is covered by lava and volcanic ashes, and now it becomes a valuable place to see the evolution of ecosystem starting from zero.

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











#### 4.12.1 - Translocated species

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

#### 4.12.2 - Invasive/Alien terrestrial species

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

#### 4.12.3 - Invasive/Alien freshwater species











Relevant	✕ Not relevant
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#### 4.12.4 - Invasive/Alien marine species

Relevant	✕ Not relevant
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#### 4.12.5 - Hyper-abundant species

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

#### 4.12.6 - Modified genetic material

Relevant	✕ Not relevant
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#### 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

Many invasive alien terrestrial species have been established on the Ogasawara Islands, which have a negative impact on native ecosystems such as land snails which represent the OUV of the property. In marine area, the number of Crown-of-thorns starfish is increasing, which has a negative effect on coral. Various eradication measures have been implemented to address these issues, and some of them have been successful.

### 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

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

#### 4.13.5 - Financial resources

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

#### 4.13.6 - Human resources

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

#### 4.13.7 - Low impact research/monitoring activities

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

#### 4.13.8 - High impact research/monitoring activities

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

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

National and local governments are giving a positive impact by conductig the site management with local stakeholders. We also make efforts to conserve and restore the value of the property through research and monitoring.

































#### 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						
						
4.3 Services Infrastructures						
4.3.2 Renewable energy facilities						
						
4.5 Biological resource use/modification						
4.5.1 Fishing/collecting aquatic resources						
						
4.7 Local conditions affecting physical fabric						
4.7.6 Water (rain/water table)						
						
4.7.7 Pests						
						
4.8 Social/Cultural uses of heritage						
4.8.5 Identity, social cohesion, changes in local population and community						
4.8.6 Impacts of tourism/Visitation/Recreation						

4.10 Climate change and severe weather events						
4.10.1 Storms						
						
4.10.3 Drought						
						
4.10.6 Temperature change						
						
4.10.7 Other climate change impacts						
						
4.11 Sudden ecological or geological events						
4.11.1 Volcanic eruption						
4.12 Invasive/alien species or hyper-abundant species						
4.12.1 Translocated 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						
4.13.8 High impact research/monitoring activities						
<div> <div>Legend</div> <div> Current</div> <div> Potential</div> <div> Negative</div> <div> Positive</div> <div> Inside</div> <div> Outside</div> </div>						

## 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							
<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						

## 4.2 Transportation Infrastructure

Name		Impact			Origin		Trend
4.2.3 Air transport infrastructure							
<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







### 4.3 Services Infrastructures

Name	Impact			Origin		Trend
4.3.2 Renewable energy facilities						
						

<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

#### 4.5 Biological resource use/modification

Name	Impact	Origin	Trend
4.5.1 Fishing/collecting aquatic resources			
	  	 	 

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

✕	Restricted
	Localised
	Extensive
	Widespread

##### Temporal scale - Occurrence of the impact

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

##### Impact - Impact on the attributes

✕	Insignificant
	Minor
	Significant
	Major






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

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

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

	Decreasing
✕	Static
	Increasing

#### 4.7 Local conditions affecting physical fabric




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

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

	Restricted
	Localised
✕	Extensive
	Widespread




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

Name	Impact			Origin		Trend
4.7.7 Pests						
						

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input 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 type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity

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

## 4.8 Social/Cultural uses of heritage

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





<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
4.8.6 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

#### 4.10 Climate change and severe weather events

Name	Impact			Origin		Trend
4.10.1 Storms						
						

<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
4.10.3 Drought						
	⊖	📊			🔄	↗

<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
4.10.6 Temperature change						
	⊖	📊			🔄	↗

<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
4.10.7 Other climate change impacts						
						





<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
4.12.1 Translocated species			
	 		

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

Name	Impact			Origin		Trend
4.12.2 Invasive/Alien terrestrial species						
						





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

✕	Major
<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						
						






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

#### 4.13 Management and institutional factors

Name	Impact			Origin		Trend
4.13.1 Management system/Management plan						



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

Name	Impact			Origin		Trend
4.13.2 Legal framework						

<b>Spatial scale - Area affected by the factor</b>							
	Restricted						
	Localised						
	Extensive						
X	Widespread						
<b>Temporal scale - Occurrence of the impact</b>							
	One off or rare						
	Intermittent or sporadic						
	Frequent						
X	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
4.13.3 Governance						

<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
4.13.4 Management activities						

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

Name	Impact			Origin		Trend
4.13.5 Financial resources						

<b>Spatial scale - Area affected by the factor</b>							
	Restricted						
	Localised						
	Extensive						
X	Widespread						
<b>Temporal scale - Occurrence of the impact</b>							
	One off or rare						
	Intermittent or sporadic						
	Frequent						
X	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
4.13.6 Human resources	 	 	

<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
4.13.7 Low impact research/monitoring activities	 	 	

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

Name	Impact			Origin		Trend
4.13.8 High impact research/monitoring activities						

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
X	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
X	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

#### 4.17. 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

n/a

#### 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	High level of endemism in vascular plant, adaptive radiation	✕			
4.18.1.2	High level of endemism in land snail, adaptive radiation	✕			
4.18.1.3	High level of endemism in insect	✕			
4.18.1.4	Distribution of important bird habitats	✕			
4.18.1.5					

### 5. Protection and Management of the Property

#### 5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

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

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

Although no buffer zone has been set, the integrity, protection and management of the Ogasawara Islands cannot be separated from the surrounding ocean. During the nomination process, it was agreed with IUCN that much larger Ogasawara National Park surrounding the property serves as a functional buffer zone based on the Operational Guideline.

#### 5.2. Protective Measures

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

##### 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

1975 / Wilderness area / Nature Conservation / -Prohibition of acts that affect the conservation of the natural environment-Designation of / 1972 /

National Park / Natural Parks / Prohibition and restriction of various acts in each zone of / 2007 / Forest Ecosystem Reserve /

Act Concerning Utilization of National Forest Land / Proper conservation and use in each zone of / 1980 / National Wildlife Protection Area / Protection and Control of Wild Birds and Mammals and Hunting Management Law /

-Prohibition of capture, collection, killing, etc.-Designation of / 1993 / National Endangered Species / Act on Conservation of Endangered Species of Wild Fauna and Flora / -Prohibition of capture, collection, killing, etc.-Designation of /

1950 / Natural Monument / Act on Protection of Cultural Properties / Restriction of acts that change the current state and affect its preservation /

2005 / System for measures against alien species / Act on the Prevention of Adverse Ecological Impacts Caused by Designated Invasive Alien Species (Invasive Alien Species Act) / Regulations on breeding, cultivation, transportation, etc. /

2020 / Ogasawara Village Ordinance on Proper Keeping and Management of Pet Animals / Ogasawara Village Ordinance / Proper keeping, registration and restrictions on bringing of pet animals, and notification when bringing animals (including non-pet animals), etc. /

### 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

In principle, permission is required to enter the area of property based on the regulations mentioned in "5.2.1 - Protective designation". In addition, various acts are also regulated and are subject to prohibition or permission system.

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

The measures taken to protect the World Heritage property are appropriate to maintain the OUV.

## 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 framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property

A code of practice developed by local communities or other groups

A management plan

An annual work plan or business plan

A joint approach to management of cultural and natural heritage

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

The management body (administrative agencies) and stakeholders (local residents, experts, etc.) cooperate to carry out conservation and management of the property.

### 5.3.4 - Management Documents

#### Comment

-"Ogasawara Islands Management Plan"(March 2018) -"Ogasawara Islands Ecosystem Conservation Action Plan"(March 2018) - "Overall Concept for Promoting Ecotourism of Ogasawara Village" (developed by Ogasawara Ecotourism Association in 2016) - "Ogasawara Rule Book" (revised by Ogasawara Ecotourism Association in 2015)

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

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

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

NA

**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:**

We referred to the concept of policy for considering future actions.

**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**

We referred to the concept of policy for considering future actions.

**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	Local economic groups and NPOs familiar with ecosystem and OUV of the Ogasawara Islands.				

**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 the management body (administrative agencies) and stakeholders (local residents, experts, etc.) cooperate to carry out conservation and management of the property while sharing information. Thus, the management system of the property is considered as relevant.

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

As answered in the previous question, we have established a management system and are properly conducting the management following the Management Plan and the Ecosystem Conservation Action Plan.

## 6. Financial and Human Resources

### 6.1. Funding

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

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	%	%
6.1.1.2	Bilateral international funding	%	%
6.1.1.3	World Heritage Fund (International Assistance)	%	%
6.1.1.4	Contribution from other conventions and programmes	%	%
6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	66 %	66 %
6.1.1.7	Governmental (regional/provincial/state)	32 %	32 %
6.1.1.8	Governmental (local/municipal)	1 %	1 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	%	%
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	%	%
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	%	%
6.1.1.12	Other	1 %	1 %
		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 both the medium- and long-term

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

It is necessary to increase the budget to fully implement the measures for alien species eradication and prevention of new invasion.

**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	50 %	50 %
6.1.6.2	Women	50 %	50 %
		Total 100 %	Total 100 %

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

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

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

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

**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	Poor
Capacity development and education	Poor
Administration	Not available
Research and monitoring	Not available
Awareness raising and public information/communication	Not available
Marketing and promotion	Not available
Interpretation	Poor
Visitor management/tourism	Not available
Enforcement (custodians, police)	Not available

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

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

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

Not used

**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**

## 7. Scientific Studies and Research Projects

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

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

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

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

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

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

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

The management body conducts various surveys necessary for the site management. Researchers also carry out scientific studies through various research projects.

## 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	Good
Youth/children	Good
Researchers	Good
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Good
Local businesses and industries	Good
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 and effective education and awareness programme** for children and youth that contributes to the protection of the World Heritage property

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

Local communities
Youth/children
Local Visitors
National/international tourists

### 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	Good
Guided tours	Good
Trails/routes	Good
Printed information materials	Good

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

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

-the management body actively disseminates information such as the implementation status of site management and considerations of the scientific council based on the monitoring data. -In addition to providing environmental education for local educational institutions such as elementary and secondary schools, dissemination and rising awareness of tourists is also practiced by various means.

## 9. Visitor Management

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

23,778 / 26,259 / 24,870 / 24,870 / 21,681 /

### 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?

More than four overnight stays

### 9.4 - Please provide the source of information

Based on the information collected by Ogasawara Village.

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

1,288 / 108 / 1,288 / 0 / 314 / 109 /

### 9.6 - Please provide the source of information

Based on the information collected by Ogasawara Village.

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

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

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

As a strategy for appropriately utilizing the ecosystem of the Ogasawara Islands, including natural World Heritage area, the Overall Concept for Promoting Ecotourism of Ogasawara Village has been designed and applied.

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

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

### 9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

#### If a different system, please specify

It is monitored by the people involved in the tourism industry through the operation of voluntary rules to reduce the impact on the ecosystem including OUV of the property as well as designing and the application of the Overall Concept for Promoting Ecotourism of Ogasawara Village.

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

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

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?

**No fees** are collected

### 9.15 - Are there locally driven sustainable tourism initiatives?

Yes

#### If 'Yes', please specify

Designing and application of the Overall Concept for Promoting Ecotourism of Ogasawara Village, and operation of voluntary rules

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

Yes

## If 'Yes', please specify

Economic benefits such as accommodation expenses, cost of souvenirs, charges for food and drinks, guide fees, etc.

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

For proper tourism use, voluntary rules to reduce the impact on the ecosystem including OUV of the property are being operated, and the Overall Concept for Promoting Ecotourism of Ogasawara Village are designed and being applied.

## 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 **considerable monitoring** but it is not directed towards management needs and/or improving the understanding of 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

Monitoring indicators for "10.3.1. State of conservation" -Conservation of land snails: population density of land snails, detection rate of rats -Conservation of rare birds: population size -Conservation of endemic insects: population density of weevils and green anole -Measures against alien species: Vegetation status, habitat status of insects and land snails, etc. -Measures against feral goats: Estimated population size -Measures against rats: detection rate of rats

### 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	Fair
Indigenous peoples	Not applicable
Landowners	Good
Women	Good
Researchers	Good
Tourism industry	Good
Local businesses and industry	Good
NGOs	Not applicable
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

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

Implementation is underway

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

The recommendations included in the decision of the World Heritage Committee are written in the management plan, and corresponding management measures for each item are implemented. In addition, the progress of each item is reported at the annual Scientific Council.

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

Monitoring of alien species and rare species such as land snails, which represent the OUV, is carried out to understand the current state of the OUV and provide feedback to site management.

## 11. Identification of Priority Management Needs

### 11.1 - Identification of Priority Management Needs

5.1	<b>Boundaries and Buffer Zones</b>							
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	<b>Protective Measures</b>							
5.2.4	The property has <b>no buffer zone</b>							✕
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							✕
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	<b>Funding</b>							
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							✕
10	<b>Monitoring</b>							
10.1	There is <b>considerable monitoring</b> at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value							✕

Please select 0 more issues.

☒ Please save this question to reflect changes

## 12. Summary and Conclusions

### 12.1. Summary - Factors affecting the Property

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

4.2	<b>Transportation Infrastructure</b>							
4.2.3	Air transport infrastructure							
4.3	<b>Services Infrastructures</b>							
4.3.2	Renewable energy facilities							
4.7	<b>Local conditions affecting physical fabric</b>							
4.7.6	Water (rain/water table)							
4.7.7	Pests	Pests that have a serious impact on the organisms endemic to Ogasawara include: the predatory flatworm ( <i>Platydemus manokwari</i> ), alien rats, and alien ants that affect land snails; land nemertines that affect land snails and insects; and green anoles that affect insects.	- Felling and chemical withering of alien plants - Aerial dispersion of rodenticides and installation of bait stations against rats - Measures to prevent the spread of <i>Platydemus manokwari</i> . - Capturing green anoles with traps	For alien plants, eradication works and monitoring are carried out based on the eradication plan. Growth of native plants has been confirmed after eradication. For rats, the population is monitored after eradication works. The negative impacts of r	Taking appropriate measures for each pest.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Governmet and Ogasawara Village	n/a	
4.10	<b>Climate change and severe weather events</b>							

4.10.1	Storms	Large-scale vegetation disturbance occurs during strong typhoons that hit once in several years or decades. Such disturbance is a "positively affecting factor" for maintaining and restoring the diversity of the ecosystem, but in recent years, it is becoming a "negative factor" because alien plants often flourish after the disturbance. There are also problems of functional loss, such as the collapse of the fences for preventing the spread of alien species due to the storm.	When the functions necessary for site management, such as the fences to prevent the spread of alien species, are damaged, they will be repaired promptly.	When a strong typhoon hits, the situation is monitored and necessary measures are taken to improve the situation.	At the timing of a strong typhoon.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
4.10.3	Drought	Although the effects of drought have been seen in plants, land snails and insect fauna, there are no organized monitoring data showing a causal relationship between temperature fluctuations and drought conditions.	Constant observations of air and seawater temperature.	Although the temperature of air and seawater are constantly measured, the tendency of long-term temperature fluctuations is unknown.	Constant observations of air and seawater temperature.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
4.10.6	Temperature change	Although droughts have affected plants, land snails and insect fauna, monitoring data on temperature and drought conditions to prove a causal relationship have not been organized.	Constant observations of air and seawater temperature.	Although the temperature of air and seawater is constantly measured, the tendency of long-term temperature fluctuations is unknown.	Constant observations of air and seawater temperature.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
4.10.7	Other climate change impacts	Although the effects of drought have been seen in plants, land snails and insect fauna, there are no organized monitoring data showing a causal relationship between temperature fluctuations and drought conditions.	Constant observations of air and seawater temperature.	Although the temperature of air and seawater are constantly measured, the tendency of long-term temperature fluctuations is unknown.	Constant observations of air and seawater temperature.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
4.12	Invasive/alien species or hyper-abundant species						
4.12.1		Translocated species					
4.12.2	Invasive/Alien terrestrial species	Pests that have a serious impact on the organisms endemic to Ogasawara include: the predatory flatworm ( <i>Platydemus manokwari</i> ), alien rats, and alien ants that affect land snails; land nemertines that affect land snails and insects; and green anoles that affect insects.	- Felling and chemical withering of alien plants - Aerial dispersion of rodenticides and installation of bait stations against rats - Measures to prevent the spread of <i>Platydemus manokwari</i> . - Capturing green anoles with traps	For rats, the population is monitored after eradication works. The negative impacts of rats are gradually diminishing. For the predatory flatworm, expansion of the habitat is monitored. For green anoles, the removal work plays a role in monitoring the expansion of the habitat. The distribution status in Anijima is stable due to the efforts of capture and prevention fences.	Taking proper measures for each pest.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a

## 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>	Although no buffer zone has been set, the integrity, protection and management of the Ogasawara Islands are inseparable from the surrounding ocean.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
5.1.4	The property has <b>no known and recognised buffer zone</b>	Although no buffer zone has been set, the integrity, protection and management of the Ogasawara Islands are inseparable from the surrounding ocean.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
5.2	<b>Protective Measures</b>				
5.2.4	The property has <b>no buffer zone</b>	Although no buffer zone has been set, the integrity, protection and management of the Ogasawara Islands are inseparable from the surrounding ocean.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
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	Proper management is conducted by the legal framework and the fixed management system.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
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	Proper management is conducted by the legal framework and the fixed management system.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
6.1	<b>Funding</b>				
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	Each management agency makes every effort to secure the budget necessary for site management.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	Trying to improve lack of human resources in the management agencies for some parts.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a



6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Proper management is conducted by the legal framework and the fixed management system.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a
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10	Monitoring				
10.1	There is <b>considerable monitoring</b> at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	Monitoring of alien species and rare species like land snails representing the OUV is conducted to recognize the current state of the OUV.	It is continuous.	Ministry of the Environment, Forestry Agency, Tokyo Metropolitan Government and Ogasawara Village	n/a

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.

Conservation measures, such as eradication of alien species, are being implemented, focusing particularly on endemic species that are suffering significantly from alien species, and these effects have been confirmed.

### 13. Impact of World Heritage Status

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

Conservation	Very positive
Research and monitoring	Very positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Very positive
Education	Very positive
Infrastructure development	Very positive
Funding for the property	Very positive
International cooperation	Very positive
Political support for conservation	Very positive
Legal/Policy framework	Very positive
Advocacy	Not applicable

Institutional coordination	Very positive
Security	Not applicable
Gender equality	Very positive
Provision of ecosystem services/ benefits to local communities	Very positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Very positive
Fostering inclusive local economic development and enhancing livelihood	Very positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Negative
Other	Negative
If 'Other', please specify	

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

The inscription of the Ogasawara Islands as a World Heritage contributed to an increase in the budget for conservation projects related to site management and OUV. Moreover, it contributed to economic development centered on the tourism industry as the number of visitors increases.

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

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

"The Ecosystem Conservation Action Plan", a concrete action plan based on the Management Plan, has been developed and implemented. This action plan sets long-term goals for the conservation and restoration of OUV for each island with a different ecosystem as well as the short-term goals for the next five years, detailing the actions (conservation projects and monitoring) necessary for each goal. For each action, the name of the main management agencies and their roles are specified. The progress of the action based on this plan is evaluated from a scientific point of view by the scientific council held about once a year, and the results are reflected in the next fiscal year's project.

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

Management
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## 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?

Management effectiveness to maintain the Outstanding Universal Value
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#### 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
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#### 15.2.2 - Comments on use of data from the Cycle of Periodic Reporting

The data recorded in this periodic report was organized in collaboration with each management agency and will be used for future site management.

### 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
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?

No

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

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

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

**15.4. Format and content of the Periodic Report****15.4.1 - How accessible was the information required to complete this questionnaire?**

Most required information was accessible.

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

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

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

n/a

**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	No support
UNESCO (other sectors/field offices)	No support
UNESCO National Commission	No support
ICOMOS International	No support
IUCN International	No support
ICCROM international/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	No support

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

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

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

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

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

Not used

**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**

For this property, a system for collaboration among management agencies in site management have established and site management based on the Management Plan and Ecosystem Conservation Action Plan is conducted. To improve the quality and efficiency of site management with information disclosure, the Scientific Council to obtain scientific advice on site management and the Regional Liaison Committee to coordinate with regional representatives are held. Since information is regularly organized an

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