

# Nanda Devi and Valley of Flowers National Parks

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property

Nanda Devi and Valley of Flowers National Parks

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
	0 / 0	?	?	?	
	0 / 0	?	?	?	
	0 / 0	?	?	?	
	0 / 0	?	?	?	
Nanda Devi National Park	30.419 / 79.85	62460	514857	577317	1988
Valley of Flowers National Park	30.733 / 79.633	8750	?	8750	2005
<b>Total (ha)</b>		<b>71210</b>	<b>514857</b>	<b>586067</b>	

### 1.4 - Map(s)

Title	Date	Link to source
General location of nominated property	2004	

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

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

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

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

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

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

**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?**

Not applicable

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

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?**

Not applicable

**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)**

The World Heritage property of 'Nanda Devi and Valley of Flowers National Parks' (in whole) constitute the core zones of the larger Nanda Devi Biosphere Reserve.

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

Not aware

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

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

Not aware

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

### 3. Statement of Outstanding Universal Value

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

#### Statement of Outstanding Universal Value

##### Brief synthesis

The Nanda Devi and Valley of Flowers National Parks are exceptionally beautiful high-altitude West Himalayan landscapes with outstanding biodiversity. One of the most spectacular wilderness areas in the Himalayas, Nanda Devi National Park is dominated by the 7,817 m peak of Nanda Devi, India's second highest mountain which is approached through the Rishi Ganga gorge, one of the deepest in the world. The Valley of Flowers National Park, with its gentler landscape, breath-taking beautiful meadows of alpine flowers and ease of access, complements the rugged, inaccessible, high mountain wilderness of Nanda Devi. Apart from some community-based ecotourism to small portions of these parks, there has been no anthropogenic pressure in this area since 1983. This property therefore acts as a control site for the maintenance of natural processes, and is of high significance for long-term ecological monitoring in the Himalayas.

Both parks contain high diversity and density of flora and fauna of the west Himalayan biogeographic zone, with significant populations of globally threatened species including the snow leopard, Himalayan musk deer and numerous plant species. Covering 71,210 ha, these two parks are surrounded by a large buffer zone of 514,857 ha which encompasses a wide range of elevation and habitats. This entire area, located within the Western Himalayas Endemic Bird Area (EBA), supports significant populations of mountain ungulates and galliformes that are prey to carnivores such as the snow leopard.

**Criterion (vii):** The Nanda Devi National Park is renowned for its remote mountain wilderness, dominated by India's second highest mountain at 7,817 m and protected on all sides by spectacular topographical features including glaciers, moraines, and alpine meadows. This spectacular landscape is complemented by the Valley of Flowers, an outstandingly beautiful high-altitude Himalayan valley. Its 'gentle' landscape, breath-taking beautiful meadows of alpine flowers and ease of access has been acknowledged by renowned explorers, mountaineers and botanists in literature for over a century and in Hindu mythology for much longer.

**Criterion (x):** The Nanda Devi National Park, with its wide range of high altitude habitats, holds significant populations of flora and fauna including a number of threatened mammals, notably snow leopard and Himalayan musk deer, as well as a large population of bharal, or blue sheep. Abundance estimates for wild ungulates, galliformes and carnivores within the Nanda Devi National Park are higher than those in similar protected areas in the western Himalayas. The Valley of Flowers is internationally important on account of its diverse alpine flora, representative of the West Himalaya biogeographic zone. The rich diversity of species reflects the valley's location within a transition zone between the Zaskar and Great Himalaya ranges to the north and south, respectively, and between the Eastern and Western Himalaya flora. A number of plant species are globally threatened, several have not been recorded from elsewhere in Uttarakhand and two have not been recorded in Nanda Devi National Park. The diversity of threatened species of medicinal plants is higher than has been recorded in other Indian Himalayan protected areas. The entire Nanda Devi Biosphere Reserve lies within the Western Himalayas Endemic Bird Area (EBA). Seven restricted-range bird species are endemic to this part of the EBA.

##### Integrity

The Nanda Devi and Valley of Flowers National Parks are naturally well protected due to their remoteness and limited access. Both the parks were unexplored until the 1930s and have not been subjected to anthropogenic pressures since 1983 with the exception of some well regulated community-based ecotourism to small portions of the parks. Therefore, both the parks contain relatively undisturbed natural habitats that now act as control sites for the continuance of natural processes. The integrity of this property is further enhanced by the fact that both the parks form the core zones of the Nanda Devi Biosphere Reserve and are encircled by a large buffer zone of 514,857 ha. The Kedarnath Wildlife Sanctuary and the Reserved Forest Divisions located west, south and east of the Biosphere Reserve provide additional buffer to this Biosphere Reserve. The local communities residing in the buffer zones of the Nanda Devi Biosphere Reserve actively participate in the conservation programmes of the Forest Department.

##### Protection and management requirements

The Nanda Devi and Valley of Flowers National Parks are naturally well protected due to their inaccessibility. The State Forest Department undertakes regular monitoring of the limited routes that provide access to these parks. Both parks are subject to very low levels of human use, with only some community-based ecotourism that is regulated and facilitated by the park management. There has been no livestock grazing inside these parks since 1983. Mountaineering and adventure-based activities inside Nanda Devi National Park has been banned since 1983 due to garbage accumulation and environmental degradation by such activities in the past. The status of flora, fauna and their habitats inside Nanda Devi National Park has been monitored through scientific expeditions carried out once in every ten years since 1993. Results of the surveys and time series analysis of remote sensing data indicate substantial improvement in the status of flora, fauna and their habitats inside Nanda Devi National Park. Similarly, studies and annual surveys in Valley of Flowers National Park indicate the maintenance of the status of the flora, fauna and habitats. Both the National Parks and the Reserved Forests in the buffer zone of the Nanda Devi Biosphere Reserve are well protected and managed as per wildlife management and working plans respectively.

The long-term protection of the Nanda Devi and Valley of Flowers National Parks is dependant on the maintenance of the high levels of protection and current low levels of anthropogenic pressures within the parks. Regular monitoring of the status of wildlife and their habitats in these parks is critical and needs to be continued. Tourist or pilgrim management, and development activities such as hydro power projects and infrastructure inside the buffer zone of the Nanda Devi Biosphere Reserve are the existing and potential threats that need to be addressed.

#### 3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	The Nanda Devi National Park is renowned for its remote mountain wilderness, dominated by India's second highest mountain at 7,817 m and protected on all sides by spectacular topographical features including glaciers, moraines, and alpine meadows.	✗			
3.2.2	This spectacular landscape is complemented by the Valley of Flowers, an outstandingly beautiful high-altitude Himalayan valley.	✗			
3.2.3	The Nanda Devi National Park, with its wide range of high altitude habitats, holds significant populations of flora and fauna including a number of threatened mammals, notably snow leopard and Himalayan musk deer, as well as a large population of bharal, or blue sheep.	✗			
3.2.4	The Valley of Flowers is internationally important on account of its diverse alpine flora, representative of the West Himalaya biogeographic zone. A number of plant species are globally threatened, several have not been recorded from elsewhere in Uttarakhand and two have not been recorded in Nanda Devi National Park. The diversity of threatened species of medicinal plants is higher than has been recorded in other Indian Himalayan protected areas.	✗			

3.2.5	The entire Nanda Devi Biosphere Reserve lies within the Western Himalayas Endemic Bird Area (EBA). Seven restricted-range bird species are endemic to this part of the EBA.	✕			
3.2.6	The Nanda Devi and Valley of Flowers National Parks are naturally well protected due to their remoteness and limited access. Therefore, both the parks contain relatively undisturbed natural habitats that now act as control sites for the continuance of natural processes.	✕			
3.2.7	The integrity of this property is further enhanced by the fact that both the parks form the core zones of the Nanda Devi Biosphere Reserve and are encircled by a large buffer zone of 514,857 ha. The Kedarnath Wildlife Sanctuary and the Reserved Forest Divisions located west, south and east of the Biosphere Reserve provide additional buffer to this Biosphere Reserve.	✕			
3.2.8	The local communities residing in the buffer zones of the Nanda Devi Biosphere Reserve actively participate in the conservation programmes of the Forest Department.	✕			
3.2.9	The State Forest Department undertakes regular monitoring of the limited routes that provide access to these parks.	✕			
3.2.10	Both parks are subject to very low levels of human use, with only some community-based ecotourism that is regulated and facilitated by the park management. There has been no livestock grazing inside these parks since 1983. Mountaineering and adventure-based activities inside Nanda Devi National Park has been banned since 1983.	✕			
3.2.11	Tourist or pilgrim management, and development activities such as hydro power projects and infrastructure inside the buffer zone of the Nanda Devi Biosphere Reserve are the existing and potential threats that need to be addressed.	✕			
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

Remoteness, ruggedness and restricted access to anthropogenic activities continue to characterise this property and maintain its OUV in intact form.

## 4. Factors Affecting the Property

### 4.1. Buildings and Development

#### 4.1.1 - Housing

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Current, Potential, Inside

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

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

## 4.2. Transportation Infrastructure

### 4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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### 4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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**4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively**











## 4.3. Services Infrastructures

### 4.3.1 - Water infrastructure

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

### 4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.3.4 - Localised utilities

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.3.5 - Major linear utilities

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

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

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.4.2 - Ground water pollution

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.4.3 - Surface water pollution

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.4.4 - Air pollution

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.4.5 - Solid waste

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant

Not relevant

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

4.4.6 - Input of excess energy

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

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

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.5.2 - Aquaculture

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.5.3 - Land conversion

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

#### 4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

#### 4.5.5 - Crop production

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

#### 4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

#### 4.5.8 - Commercial hunting

Previous answer Cycle 2 (30/07/2011):








- Not relevant

Relevant	✕ Not relevant
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#### 4.5.9 - Subsistence hunting

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

#### 4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ 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**

### 4.6. Physical resource extraction

#### 4.6.1 - Mining

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.6.2 - Quarrying

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.6.3 - Oil and gas

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.6.4 - Water (extraction)

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ 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**

### 4.7. Local conditions affecting physical fabric

#### 4.7.1 - Wind

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.7.2 - Relative humidity

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.7.3 - Temperature

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.7.4 - Radiation/Light

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.7.5 - Dust

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.7.7 - Pests

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.7.8 - Micro-organisms

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ 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

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Current, Potential, Outside

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

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

Negative							
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#### 4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (30/07/2011):

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

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

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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Potential, Outside

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

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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

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

#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

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

##### 4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	Not relevant
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4.9.4 - War

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.9.5 - Terrorism

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

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

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Inside, Outside

✕ Relevant

Not relevant

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

4.10.2 - Flooding

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.10.4 - Desertification

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.10.6 - Temperature change







Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant

Not relevant


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

 Negative 							
--	---	---	--	---	--	--	---

#### 4.10.7 - Other climate change impacts

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

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

#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

##### 4.11.2 - Earthquake

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Inside, Outside

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

##### 4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

##### 4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (30/07/2011):

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

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

##### 4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Inside, Outside

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

##### 4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

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

4.12. Invasive/alien species or hyper-abundant species

#### 4.12.1 - Translocated species

Previous answer Cycle 2 (30/07/2011):






- Relevant, Negative, Current, Potential, Inside, Outside

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

#### 4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

#### 4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

#### 4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

#### 4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Potential, Inside, Outside

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

#### 4.12.6 - Modified genetic material

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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




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

4.13. Management and institutional factors

#### 4.13.1 - Management system/Management plan

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

#### 4.13.2 - Legal framework

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

Negative							
----------	--	--	--	--	--	--	--

#### 4.13.3 - Governance

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

#### 4.13.4 - Management activities

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Current, Potential, Inside, Outside

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

#### 4.13.5 - Financial resources

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

#### 4.13.6 - Human resources

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

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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Current, Potential, Inside, Outside

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

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

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

4.14. Other factor(s)
















4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact		Origin		Trend	
4.1 Buildings and Development						
4.1.4 Major visitor accommodation and associated infrastructure						
4.1.5 Interpretative and visitation facilities						



4.3 Services Infrastructures						
4.3.1 Water infrastructure						
	⊖	⚡	⚡		🔄	➡
4.4 Pollution						
4.4.5 Solid waste						
	⊖	⚡	⚡		🔄	➡
4.5 Biological resource use/modification						
4.5.3 Land conversion						
	⊖	⚡	⚡		🔄	➡
4.5.4 Livestock farming/Grazing of domesticated animals						
	⊖	⚡	⚡		🔄	➡
4.5.6 Commercial wild plant collection						
	⊖	⚡	⚡		🔄	➡
4.5.7 Subsistence wild plant collection						
	⊖	⚡	⚡		🔄	➡
4.5.9 Subsistence hunting						
	⊖	⚡	⚡		🔄	➡
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses	⊕	⚡	⚡		🔄	➡
	⊖	⚡	⚡		🔄	➡
4.8.2 Society's valuing of heritage	⊕	⚡	⚡		🔄	➡
4.8.3 Indigenous hunting, gathering and collecting						
	⊖	⚡	⚡		🔄	➡
4.8.4 Changes in traditional ways of life and knowledge system	⊕	⚡	⚡		🔄	➡
	⊖	⚡	⚡		🔄	➡
4.8.5 Identity, social cohesion, changes in local population and community	⊕		⚡		🔄	➡
4.8.6 Impacts of tourism/Visitation/Recreation						
	⊖	⚡	⚡		🔄	➡
4.9 Other human activities						
4.9.1 Illegal activities						
	⊖	⚡	⚡		🔄	➡
4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖	⚡	⚡	⊕	🔄	➡
4.10.6 Temperature change						
	⊖	⚡	⚡		🔄	➡
4.11 Sudden ecological or geological events						
4.11.2 Earthquake						
	⊖		⚡	⊕	🔄	➡
4.11.4 Avalanche/Landslide						
	⊖	⚡	⚡	⊕	🔄	➡

4.11.5 Erosion and siltation/Deposition						
						
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial 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						
4.13.7 Low impact research/monitoring activities						
<b>Legend</b>	 Current	 Potential	 Negative	 Positive	 Inside	 Outside

## 4.16. Assessment of current and potential positive and negative factors

### 4.16.1 - Assessment of current and potential negative and positive factors






#### 4.1 Buildings and Development

Name	Impact			Origin		Trend
4.1.4 Major visitor accommodation and associated infrastructure						
						

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








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

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					

### 4.3 Services Infrastructures

Name	Impact			Origin		Trend
4.3.1 Water infrastructure						
						
<b>Spatial scale - Area affected by the factor</b>						
	Restricted					
✕	Localised					

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





## 4.4 Pollution

Name	Impact	Origin	Trend
4.4.5 Solid waste			
	<div>⊖</div> <div>⚠</div> <div>⚠</div>	<div>🔄</div> <div>📍</div>	<div>📈</div>






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

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





## 4.5 Biological resource use/modification

Name	Impact			Origin		Trend
4.5.3 Land conversion						
						

<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
4.5.4 Livestock farming/Grazing of domesticated animals						
						

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
4.5.6 Commercial wild plant collection						
						

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

	Major
<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
4.5.7 Subsistence wild plant collection			
	  		





<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
4.5.9 Subsistence hunting			
	  		

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

## 4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.1 Ritual/Spiritual/Religious and associative uses	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
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 type="checkbox"/>	Intermittent or sporadic		
<input checked="" type="checkbox"/>	Frequent		
<input type="checkbox"/>	On-going		
Impact - Impact on the attributes			
<input type="checkbox"/>	Insignificant		
<input checked="" type="checkbox"/>	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
4.8.2 Society's valuing of heritage					

<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
4.8.3 Indigenous hunting, gathering and collecting					

<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
4.8.4 Changes in traditional ways of life and knowledge system						
						

<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
4.8.5 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						

## 4.9 Other human activities




Name	Impact			Origin		Trend
4.9.1 Illegal activities						
<b>Spatial scale - Area affected by the factor</b>						
✕	Restricted					
	Localised					
	Extensive					
	Widespread					
<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
4.10.6 Temperature change			
			

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

	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence of the impact

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

#### Impact - Impact on the attributes

	Insignificant
	Minor
✕	Significant
	Major




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

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

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

	Decreasing
	Static
✕	Increasing

## 4.11 Sudden ecological or geological events

Name	Impact	Origin	Trend
4.11.2 Earthquake			
			





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

	Restricted
✕	Localised
	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

✕	One off or rare
	Intermittent or sporadic

	Frequent
	On-going
<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
4.11.4 Avalanche/Landslide						
						

<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
4.11.5 Erosion and siltation/Deposition							

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

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

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

### 4.13 Management and institutional factors

Name	Impact			Origin		Trend
4.13.1 Management system/Management plan						

<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
4.13.2 Legal framework	  	 	

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

	Restricted
	Localised
✕	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

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

#### Impact - Impact on the attributes





	Insignificant
	Minor
	Significant
✕	Major

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

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

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

	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.13.3 Governance	  	 	

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





	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic









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

Name	Impact	Origin	Trend
4.13.4 Management activities	  	 	

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

	Static
✕	Increasing

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	  	 	

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

	Restricted
✕	Localised
	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

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

#### Impact - Impact on the attributes

	Insignificant
	Minor
✕	Significant
	Major

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

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

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

	Decreasing
✕	Static
	Increasing

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

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

#### 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	Natural beauty	✕			
4.18.1.2	Habitat for in situ conservation of endangered species	✕			
4.18.1.3	Integrity of property ensured	✕			
4.18.1.4	Strong protection and management framework	✕			
4.18.1.5	Low-levels of human use	✕			

## 5. Protection and Management of the Property

### 5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

The buffer zones of the World Heritage property **are known and recognised by both** the management authority and local communities/landowners

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

### 5.2. Protective Measures

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

The Nanda Devi National Park was established as a national park with effect from 6 November 1982, the intention having been notified on 18 August 1980, under the provisions of the Wild Life (Protection) Act, 1972. Originally established as a game sanctuary on 7 January 1939. Land is owned by the provincial government.

The Valley of Flowers was declared a national park on 6 September 1982, under the Wildlife (Protection) Act, 1972. All rights in respect of land (including ownership) is vested in the Government of Uttaranchal State and, in accordance with this Act, livestock grazing ceased from 1982. The Valley of Flowers was designated a core zone within the Nanda Devi Biosphere Reserve in February 2000, in addition to Nanda Devi National Park which was designated in 1988. UNESCO approved the addition of NDBR to its World Network of Biosphere Reserves in November 2004.

Mountaineering is regulated under State Government Order No. 997/CS/MT/2004, in accordance with new Guidelines for Mountaineering Expeditions in Uttaranchal. Two peaks, Rataban (6,126 m) and Gori Parbat (6,601 m), within the Valley of Flowers National Park are open for mountaineering, subject to permission from the Chief Wildlife Warden and special conditions.

Source: Periodic Reporting Cycle 2

#### 5.2.2 - Please list any legislation and other measures (regulatory -including spatial planning- contractual, institutional or traditional) not included in 5.2.1 and indicate the category

#### 5.2.3 - Is the legal framework (i.e. legislation and/or regulation including spatial planning) adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an **adequate basis for effective management and protection**

#### 5.2.4 - Is the legal framework (i.e. legislation and/or regulation) adequate in the buffer zone for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** in the buffer zone for the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an **adequate basis for effective management and protection**

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

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

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

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

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

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

### 5.3. Management System/Management Plan

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

Public management system at provincial/regional level

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.

An integrated management plan combining World Heritage and any other designations


A management plan

An annual work plan or business plan

A disaster, climate or conflict risk management plan

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

### 5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Management Plan for Valley of Flowers National Park	N/A	Available	2004	

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

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

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

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

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

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

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

**Some use** has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties

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

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

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

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

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

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

The management system is being **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 many of its activities are being implemented**

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

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

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

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities					×
5.3.16.2	Local/Municipal authorities				×	
5.3.16.3	Indigenous peoples					×

5.3.16.4	Landowners				×	
5.3.16.5	Women				×	
5.3.16.6	Youth/Children					×
5.3.16.7	Researchers				×	
5.3.16.8	Local Visitors/Tourists					×
5.3.16.9	National/International tourists					×
5.3.16.10	Tourism Industry				×	
5.3.16.11	Local businesses and industries				×	
5.3.16.12	NGOs				×	
5.3.16.13	Other specific groups	×				
	If you selected 'Other specific groups', please specify					

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

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

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

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

**6. Financial and Human Resources**

**6.1. Funding**

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

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	60 %	30 %
6.1.1.7	Governmental (regional/provincial/state)	40 %	70 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	0 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	0 %	0 %
		Total 100 %	Total 100 %

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

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

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

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

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

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

6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage properties and the extent to which they are drawn from local communities.

		From local communities %	From elsewhere %
6.1.6.1	Men	70 %	80 %
6.1.6.2	Women	30 %	20 %
		Total 100 %	Total 100 %

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

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

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

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

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

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

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

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

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

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

A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff

#### 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 **acceptable** for most key areas but there are gaps

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

There is **considerable** research but it is **not** directed towards management needs and/or improving understanding of Outstanding Universal Value

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

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

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

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

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

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

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

Local communities
Local/municipal authorities
Indigenous peoples
Women
Youth/children
Researchers
Local Visitors

National/international tourists
NGOs

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

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

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

**9. Visitor Management**

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

922 / 17425 / 14725 / 13766 / 9667 /

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

Entry tickets and registries

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

One day (no overnight stay)

**9.4 - Please provide the source of information**

Office of the Divisional Forest Officer, Nanda Devi National Park

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

40 / 10 / 15 / 5 / 5 / 10 /

**9.6 - Please provide the source of information**

Office of the Divisional Forest Officer, Nanda Devi National Park

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

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

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

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

Visitor use of the World Heritage property is managed but **improvements could be made**

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

Yes, using a different system

If a different system, please specify

Management Plan

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

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

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

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

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

In **many locations**, but **not easily visible** to visitors



**9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property?**  
Fees are collected, and make some contribution to the management of the World Heritage property

**9.15 - Are there locally driven sustainable tourism initiatives?**  
Yes

If 'Yes', please specify  
Ecodevelopment activities

**9.16 - Are the benefits of tourism shared with local communities?**  
Not applicable

If 'Yes', please specify

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

10. Monitoring

**10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the understanding of the Outstanding Universal Value?**  
There is a comprehensive, integrated programme of monitoring, which is relevant to management needs and/or improving understanding of the Outstanding Universal Value

**10.2 - Is necessary information available in order to define key indicators for measuring the state of conservation and are they used in monitoring how the Outstanding Universal Value of the property is being maintained?**  
Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved

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

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

**10.4 - Please provide information on relevant key indicators adopted at the property**  
Monitoring is primarily undertaken through the Management Plan framework and associated indicators mentioned therein.

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

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

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

No relevant Committee recommendations to implement

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

No recent recommendations have been made regarding the property.

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

## 11. Identification of Priority Management Needs

### 11.1 - Identification of Priority Management Needs

5.3	Management System/Management Plan		
5.3.7	No use	has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	✕
5.3.9	Some use	has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	✕
5.3.11	There is <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>		✕
6.1	Funding		
6.1.3	The available <b>budget is acceptable</b> but <b>could be further improved</b> to fully meet the management needs of the World Heritage property		✕
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property		✕
6.1.10	No use	has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	✕
6.1.12	A <b>site-based</b> capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, <b>but most technical work is carried out by external staff</b>		
7	Scientific Studies and Research Projects		
7.2	There is <b>considerable research</b> in the World Heritage property but it is <b>not directed towards management needs and/or improving understanding of Outstanding Universal Value</b>		✕
7.3	Research <b>results are shared</b> with local communities and partners <b>but there is no active outreach</b> to national or international agencies		
8	Education, Information and Awareness Building		
8.2	There is a <b>limited and ad hoc education</b> and awareness programme for children and/or youth		
9	Visitor Management		
9.9	Visitor use of the World Heritage property is managed but <b>improvements could be made</b>		
9.11	There is <b>limited cooperation</b> between those responsible for the World Heritage property and the tourism industry <b>to present the Outstanding Universal Value and increase appreciation</b>		
9.12	The presentation and interpretation of the Outstanding Universal Value of the property <b>is acceptable but improvements could be made</b>		✕
10	Monitoring		
10.2	Information on the values of the World Heritage <b>property is adequate and key indicators have been defined</b> but <b>monitoring of the status of indicators could be improved</b>		✕

Please select 1 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

4.4	Pollution						
4.4.5	Solid waste						
4.5	Biological resource use/modification						

4.5.3	Land conversion	Criteria-x	This is taking place in the buffer area and the Biosphere Reserve management authorities are engaging with the communities.	Direct observations	Continuous	Forest Department	NA
4.8	<b>Social/Cultural uses of heritage</b>						
4.8.1	Ritual/Spiritual/Religious and associative uses	Criteria-x	Park authorities engage with the religious spiritual followers	Visitation data	Continuous	Forest Department and local communities	NA
4.8.4	Changes in traditional ways of life and knowledge system	Criteria-x	Preserving the traditions and aspiring for development are parallel tracks in the overall setting.	State Government	Continuous	StateGovernment	NA
4.10	<b>Climate change and severe weather events</b>						
4.10.1		Storms					
4.10.6	Temperature change	Criteria-x	Greater research and monitoring actions are being undertaken	Meteorological data	Continuous	Forest Department	NA
4.11	<b>Sudden ecological or geological events</b>						
4.11.2		Earthquake					
4.11.4	Avalanche/Landslide	Criteria-vii & x	Redressal measures are taken when event occurs	Physical monitoring	During occurrence of event	Forest Department	NA
4.11.5		Erosion and siltation/Deposition					
4.12	<b>Invasive/alien species or hyper-abundant species</b>						
4.12.2	Invasive/Alien terrestrial species	Criteria-x	Research is undertaken to assess the spread of invasive species.	Forest Department; Research scientists	Continuous	Forest Department	NA

Question not completed

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

5.3	<b>Management System/Management Plan</b>				
		<b>Actions</b>	<b>Timeframe</b>	<b>Lead agency (and others involved)</b>	<b>More info / comment</b>
5.3.7	<b>No use</b> has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	Important to refer the policy document as high altitude zones are sensitive to climate change	5 years	Forest Department	NA
5.3.9	<b>Some use</b> has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	Fragile mountain zone may be susceptible to disasters and the Strategy document will be referred.	5 years	Forest Department	NA

5.3.11	There is <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>	Periodic consultative meetings will be required between the property administration and the other Government line departments.	Continuous	Forest Department, Land Revenue Department, Agriculture Department, Tourism department	NA
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	Initiatives are being taken to ensure uninterrupted and more funding for the property	Continuous	Forest Department	NA
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	Efforts are on to increase sanctioned posts for staff	5 years	Forest Department	NA
6.1.10	<b>No use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Orientation session on the strategy will be organised and relevant provisions will be identified for implementation.	3 years	Forest Department, Capacity-building agency	NA
7	<b>Scientific Studies and Research Projects</b>				
7.2	There is <b>considerable research</b> in the World Heritage property but it is <b>not directed towards management needs and/or improving understanding of Outstanding Universal Value</b>	The property allows only decadal research expedition. The objectives of research may be more oriented towards management needs.	Periodic	Forest Department; Scientific institutions	NA
9	<b>Visitor Management</b>				
9.12	The presentation and interpretation of the Outstanding Universal Value of the property <b>is acceptable</b> but <b>improvements could be made</b>	Measures are envisaged for more appealing presentation and interpretation of the property.	5 years	Forest Department	NA
10	<b>Monitoring</b>				

10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved	Indicators need to be closely monitored	5 years	Forest Department	NA
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Summary - Management Needs completed

### 12.3. Conclusions on the State of Conservation of the Property

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

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

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

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

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

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

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

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

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

### 13. Impact of World Heritage Status

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

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

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

World Heritage designation of the property has definitely helped in raising the profile of Nanda Devi and Valley of Flowers National Parks.

## 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

Women frontline forest personnel have been deployed in the high mountain areas for protection and conservation duty. They belong to the local communities of the region, are better adapted to the geographical conditions and have demonstrated their capacity to undertake their challenging tasks.

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

Sustainable Development

State of Conservation

Management

Governance

Capacity Building

## 15. Assessment of the Periodic Reporting Exercise

### 15.1. Relevance of Periodic Reporting

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

The *World Heritage Convention*

The concept of Outstanding Universal Value

The property's Outstanding Universal Value

Management effectiveness to maintain the Outstanding Universal Value

Monitoring and reporting

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

State Party

Good

Site Managers

Good

UNESCO World Heritage Centre

Fair

Advisory Bodies (ICOMOS, IUCN, ICCROM)

Fair

### 15.2. Use of Data

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

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

Update of management plans

Fundraising

Awareness raising

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

The data from Periodic Reporting cycle will be particularly useful for assessing the status of Management Planning of the property in relation to World Heritage values.

### 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

Responsible persons for local designated sites under other international conventions/ programmes

Non-Governmental Organizations

External experts

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

Gender balance has been **explicitly considered** in the process **but there are still deficiencies in the implementation.**

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

No

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

60 / 10 / 25 /

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

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

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

**Most** required information was accessible.

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

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

**15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire****15.5. Training and Guidance****15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire**

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Good
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	Good
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	No support
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?**

Due to remote location and logistics challenges, including network connectivity, more in-person capacity-building will be helpful for addressing the difficulties of online Questionnaire.

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

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

No item were proposed for update

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

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

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