

Golden Mountains of Altai

1. World Heritage Property Data

1.1 - Name of World Heritage property

Golden Mountains of Altai

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Altaysky Zapovednik and Buffer zone of Teletskoye Lake	51.497 / 87.711	965753	?	965753	1998
Katunsky Zapovednik and Buffer zone around Belukha Mountain	49.667 / 86	392800	?	392800	1998
Ukok Quiet Zone on the Ukok Plateau	49.367 / 87.5	252904	?	252904	1998
Total (ha)		1611457	0	1611457	

1.4 - Map(s)

Title	Date	Link to source
Teletskoye Lake and Altaysky zapovednik, scale: 1:500,000	1997	
Location of nominated clusters, scale: 1:1,600,000	1997	

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

- [Greenpeace Russia](#)
- [Natural site datasheet from WCMC](#)
- [Natural Heritage Protection Fund](#)
- [Altayskiy State Nature Biosphere Reserve](#)
- [State Nature Biosphere Reserve \(in Russian\)](#)
- [Nature Park](#)

Comment

Links 1 and 6 are non-operative. Actual link for the Nature Parks "Belukha" and "Quiet Zone Ukok", as well as the Lake Teletskoye Natural Monument is <https://oopt-ra.ru/> (in Russian) - official site of the Directorate of Protected areas of the Republic of Altai, which is responsible for these protected areas.

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

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

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

2.2 - Please provide comments on 2.1 if necessary

Only two clusters are Biosphere Reserve: Altaiskiy BR containing Altaiskiy Nature Reserve and partly Lake Teletskoye Natural Monument, and Katunskiy BR covering most of the territory of the relevant cluster "Katunskiy Nature Reserve and Its Buffer Zone Around Mt. Belukha". Katunskiy BR is also a part of the Russian-Kazakhstani Transboundary BR "Great Altay".

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

Not applicable

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

No

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

No

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

No

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

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

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

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

No

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

No elements from the property are inscribed into the Representative List of the Intangible Cultural Heritage. However, there is an initiative of inscribing the Altai Kai (throat singing) which is associated with the property.

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

No

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

No documentary heritage is associated with the property.

3. Statement of Outstanding Universal Value

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

Comment

Altai is a unique natural mountain region of Siberia, with outstanding example of rich biodiversity, concentrated within compact area. Flora is represented by more than 2 000 species, about 12% of which are endemics. 60 mammal species inhabit the area, incl. globally-endangered Snow leopard and Altai Argali. Altai is unique example of biological evolution, being the one of the centers of species origin. Ecosystem cover includes relic tertiary coniferous forests and unique cryo-steppes.

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	Populations of globally-endangered species (Snow leopard, Argali sheep etc)	✗			
3.2.2	Endemism of flora	✗			
3.2.3	Unique landscapes of Siberian Jungle (tertiary Taiga forest) and cryo-steppes formed on permafrost	✗			
3.2.4	Protected areas coverage, providing integrity	✗			
3.2.5	Set of typical zonal landscapes forming all types of altitudinal zonation in the Altai Mountains	✗			
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

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

4. Factors Affecting the Property












4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Potential, Inside, Outside

✗ Relevant	Not relevant		
	Impact	Origin	Trend of impact

Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 			Negative 				

4.1.2 - Commercial development

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.1.3 - Industrial areas

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (31/07/2014):

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

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

4.1.6 - 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 (31/07/2014):

- Relevant, Positive, Current, Potential, Outside

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

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✕ Not relevant

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

Negative effects of the ground transport infrastructure are assessed as potential: for the moment it doesn't significantly negatively affect the property, but combined with the general trend of increasing the number of tourists within the property it could have negative impacts in future (e.g. by increased traffic during the reproduction season of birds and mammals, sound pollution, wildlife disturbance etc).

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Potential, Outside

✕ Relevant

Not relevant

	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 (31/07/2014):

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

✕ Relevant

Not relevant

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

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.3.4 - Localised utilities

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.3.5 - Major linear utilities

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Potential, Inside, Outside

✕ Relevant

Not relevant

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

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 (31/07/2014):

- Not relevant

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

4.4.2 - Ground water pollution

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.4.3 - Surface water pollution

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Current, Potential, Inside

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

4.4.4 - Air pollution

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Current, Inside

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

4.4.5 - Solid waste

Previous answer Cycle 2 (31/07/2014):

- Not relevant

✕ 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 (31/07/2014):

- 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 (31/07/2014):

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

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

4.5.2 - Aquaculture

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.5.3 - Land conversion

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (31/07/2014):

- Relevant, Positive, Negative, Current, Inside

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

4.5.5 - Crop production

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (31/07/2014):

- Not relevant















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

4.5.8 - Commercial hunting

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Current, Outside









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

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

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Current, 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 (31/07/2014):

- Relevant, Negative, Current, Outside

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

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 (31/07/2014):

- Not relevant

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

4.6.2 - Quarrying

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.6.3 - Oil and gas

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.6.4 - Water (extraction)

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

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

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.7.2 - Relative humidity

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.7.3 - Temperature

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.7.4 - Radiation/Light

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.7.5 - Dust

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.7.7 - Pests

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Potential, Inside, Outside

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

4.7.8 - Micro-organisms

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

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 (31/07/2014):

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

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

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (31/07/2014):

- Relevant, Positive, Current, Potential, Inside

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

	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive ✕	✕	✕	✕			➡	
🔴 Negative							

4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

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

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (31/07/2014):

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

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

	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive ✕	✕	✕	✕	✕		➡	
🔴 Negative ✕	✕	✕	✕	✕			📈

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

Impacts of tourism/Visitation/Recreation are considered as negative (currently and potentially) for the clusters "Quiet Zone Ukok" and "Belukha" because of increased use of the off-road vehicles (causing the damage to vegetation) and littering the natural areas.

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Current, Inside, 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 (31/07/2014):

- Not relevant

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

4.9.3 - Military training

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.9.4 - War

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.9.5 - Terrorism

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.9.6 - Civil unrest

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- Not relevant

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

4.10.2 - Flooding

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.10.3 - Drought

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.10.4 - Desertification

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.10.6 - Temperature change

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Current, Potential, Inside

✕ 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 (31/07/2014):

- Relevant, Negative, Current, Inside

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

Comparing to the previous periodic report, Other climate change impacts are not considered as the factor, affecting the property, since no clear evidences of these effects are documented.

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.11.2 - Earthquake

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (31/07/2014):

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

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	🌐 Outside	📉 Decreasing	➡ Stable	📈 Increasing
➕ Positive ✕	✕	✕	✕			➡	
➖ Negative ✕	✕	✕	✕			➡	

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Current, Potential, Inside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	🌐 Outside	📉 Decreasing	➡ Stable	📈 Increasing
➕ Positive							
➖ Negative ✕		✕	✕	✕		➡	

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 (31/07/2014):

- Not relevant

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

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (31/07/2014):

- Relevant, Negative, Potential, Inside

✕ 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 (31/07/2014):

- Relevant, Negative, Potential, Inside

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

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

4.12.6 - Modified genetic material

Previous answer Cycle 2 (31/07/2014):

- 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

Concerning Invasive/Alien freshwater species, the factor is assessed as "not relevant" because no evidence was documented during the reporting period

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 (31/07/2014):

- Relevant, Positive, Current, Inside

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

4.13.5 - Financial resources

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

4.13.6 - Human resources

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

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (31/07/2014):

- Relevant, Positive, Current, Inside

✕ 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 (31/07/2014):

- 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						
4.1.1 Housing						
	➖	🟡		🟢	📈	
4.1.4 Major visitor accommodation and associated infrastructure						

4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
4.3 Services Infrastructures						
4.3.1 Water infrastructure						
4.3.2 Renewable energy facilities						
4.3.5 Major linear utilities						
4.4 Pollution						
4.4.3 Surface water pollution						
4.4.4 Air pollution						
4.4.5 Solid waste						
4.5 Biological resource use/modification						
4.5.1 Fishing/collecting aquatic resources						
4.5.4 Livestock farming/Grazing of domesticated animals						
4.5.6 Commercial wild plant collection						
4.5.7 Subsistence wild plant collection						
4.5.8 Commercial hunting						
4.5.9 Subsistence hunting						
4.5.10 Forestry/Wood production						
4.7 Local conditions affecting physical fabric						
4.7.7 Pests						
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses						
4.8.3 Indigenous hunting, gathering and collecting						

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						
4.10.6 Temperature change						
4.11 Sudden ecological or geological events						
4.11.4 Avalanche/Landslide						
4.11.6 Fire (wildfire)						
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						
4.13.5 Financial resources						
4.13.6 Human resources						
4.13.7 Low impact research/monitoring activities						
Legend Current Potential Negative Positive Inside Outside						






4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development






Name		Impact			Origin		Trend
4.1.1 Housing							
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
4.1.4 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
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	  		

Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

✕	Insignificant
	Minor
	Significant
	Major






Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
	Static
✕	Increasing

4.2 Transportation Infrastructure

Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	 		
	 		

Spatial scale - Area affected by the factor

✕	Restricted
---	------------






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

4.3 Services Infrastructures

Name	Impact			Origin		Trend
4.3.1 Water 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	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing






Name	Impact	Origin	Trend
4.3.2 Renewable energy facilities	  	 	

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

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

Name	Impact	Origin	Trend
4.3.5 Major linear utilities	  	 	

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





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

4.4 Pollution

Name	Impact			Origin		Trend
4.4.3 Surface water pollution						
						

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

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



Name	Impact	Origin	Trend
4.4.4 Air pollution			
			
			

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

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

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

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

Name	Impact	Origin	Trend
4.4.5 Solid waste			
			
			








Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input 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 checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

4.5 Biological resource use/modification

Name	Impact	Origin	Trend
4.5.1 Fishing/collecting aquatic resources	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>

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 type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	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
4.5.4 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 - Occurence of the impact

One off or rare

Intermittent or sporadic

Frequent

✕

On-going

Impact - Impact on the attributes

Insignificant

✕

Minor

Significant

Major

Management response - Capacity of management to respond

High capacity

✕

Medium capacity

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

Decreasing

Static

✕

Increasing

Name	Impact			Origin		Trend
4.5.7 Subsistence wild plant collection						

Spatial scale - Area affected by the factor

✕

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

One off or rare

Intermittent or sporadic

Frequent

✕

On-going







Impact - Impact on the attributes

Insignificant

✕

Minor

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

Name	Impact	Origin	Trend
4.5.8 Commercial hunting			
	  	 	

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
4.5.9 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 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						
<input type="checkbox"/>	Significant						
<input type="checkbox"/>	Major						
Management response - Capacity of management to respond							
<input type="checkbox"/>	High capacity						
<input checked="" type="checkbox"/>	Medium capacity						
<input type="checkbox"/>	Low capacity						
<input type="checkbox"/>	No capacity and / or resources						
Trend - Development over the last 6 years							
<input type="checkbox"/>	Decreasing						
<input checked="" type="checkbox"/>	Static						
<input type="checkbox"/>	Increasing						

Name	Impact			Origin		Trend
4.5.10 Forestry/Wood production						





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

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




4.7 Local conditions affecting physical fabric

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

4.8 Social/Cultural uses of heritage

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

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

Name	Impact			Origin		Trend
4.8.3 Indigenous hunting, gathering and collecting						

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






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

Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	<div> <div>+</div> <div>⬇️</div> <div>⬆️</div> </div>	<div> <div>🌐</div> <div>🔄</div> </div>	<div>➡️</div>
	<div> <div>-</div> <div>⬆️</div> <div>⬇️</div> </div>	<div> <div>🌐</div> <div>🔄</div> </div>	<div>⬆️</div>

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







✕	Increasing
---	------------

4.9 Other human activities

Name	Impact	Origin	Trend
4.9.1 Illegal activities			
			
			

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









4.10 Climate change and severe weather events

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
4.11.4 Avalanche/Landslide	  		
	  		

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

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

Name	Impact	Origin	Trend
4.11.6 Fire (wildfire)			
			  

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

4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	<div> <div>+</div> <div>⚠</div> <div>⚠</div> </div>	<div> <div>↻</div> </div>	<div> <div>→</div> </div>

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

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

Name	Impact	Origin	Trend
4.13.2 Legal framework	  	 	





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

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

Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major



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

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

Name	Impact	Origin	Trend
4.13.3 Governance	  		





Spatial scale - Area affected by the factor	
	Restricted
	Localised

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

Name	Impact			Origin		Trend
4.13.4 Management activities						

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

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

Name	Impact	Origin	Trend
4.13.5 Financial resources	  		






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

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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

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

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

Name	Impact	Origin	Trend
4.13.6 Human resources	  		

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

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

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

Altaiisky Strict Nature Reserve: Housing, Interpretative and visitation facilities, Renewable energy facilities, Pests, Impacts of tourism/Visitation/Recreation, Illegal activities, Temperature change, Avalanche/Landslide, Fire (wildfire), Invasive/Alien terrestrial species, Management system/Management plan, Legal framework, Governance, Management activities, Financial resources, Human resources, Low impact research/monitoring activities Katunskiy Strict Nature Reserve: Interpretative and visitation facilities, Renewable energy facilities, Air pollution, Solid waste (at surrounding areas), Commercial wild plant collection (at surrounding areas), Subsistence wild plant collection (at surrounding areas), Pests, Impacts of tourism/Visitation/Recreation, Illegal activities, Temperature change, Avalanche/Landslide, Fire (wildfire), Invasive/Alien terrestrial species, Management system/Management plan, Legal framework, Governance, Management activities, Financial resources, Human resources, Low impact research/monitoring activities Lake Teletskoye and its buffer zone: Housing, Major visitor accommodation and associated infrastructure, Ground transport infrastructure, Water infrastructure, Surface water pollution, Fishing/collecting aquatic resources, Forestry/Wood production, Impacts of tourism/Visitation/Recreation, Fire (wildfire), Legal framework, Governance, Management activities, Low impact research/monitoring activities Mt. Belukha: Major visitor accommodation and associated infrastructure, Solid waste, Livestock farming/Grazing of domesticated animals, Commercial hunting, Subsistence hunting, Pests, Ritual/Spiritual/Religious and associative uses, Impacts of tourism/Visitation/Recreation, Illegal activities, Temperature change, Avalanche/Landslide, Fire (wildfire), Management system/Management plan, Legal framework, Governance, Management activities, Financial resources, Human resources, Low impact research/monitoring activities Quiet Zone Ukok: Major visitor accommodation and associated infrastructure, Ground transport infrastructure, Solid waste, Fishing/collecting aquatic resources, Livestock farming/Grazing of domesticated animals, Subsistence wild plant collection, Ritual/Spiritual/Religious and associative uses, Indigenous hunting, gathering and collecting, Impacts of tourism/Visitation/Recreation, Temperature change, Fire (wildfire), Management system/Management plan, Legal framework, Governance, Management activities, Financial resources, Human resources, Low impact research/monitoring activities

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	Populations of globally-endangered species (Snow leopard, Argali sheep etc)	✕			
4.18.1.2	Endemism of flora	✕			
4.18.1.3	Unique landscapes of Siberian Jungle (tertiary Taiga forest) and cryo-steppes formed on permafrost	✕			
4.18.1.4	Protected areas coverage, providing integrity	✕			
4.18.1.5	Set of typical zonal landscapes forming all types of altitudinal zonation in the Altai Mountains	✕			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

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

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

5.2. Protective Measures

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

Legal protection stems from a number of federal laws and decisions, as well as laws and decisions of the Altai Republic. These include new laws relating to the environmental protection within the Altai Republic enacted since the 1996 IUCN evaluation mission to the Altai. Specifically, these include a decision of the Altai Republic on the "inclusion of natural properties of the Altai Republic in the World Heritage List", signed by the Premier of the Republic and the Government Committee of Ecology. This decision covers all of the nominated sites and is a positive sign indicating strong commitment to the protection of key sites within the Altai Republic. Additionally, the Altaiisky and Katunsky Zapovedniks are offered protection at the highest level under the laws of the Russian Federation with the buffer

zones around the Teletskoye Lake and Belukha mountain protected under the Federal Forest Service. The Ukok Quiet Zone is protected by laws and decisions of the Altai Republic and has recently been given strict protected status. Other actions have been taken to protect the integrity of the site, including implementation of restrictions on grazing and herding of cattle from Mongolia.

The protected areas of the Property are governed by the national protected area legislation, in particular the federal law "On environmental protection" dating back to 1991 but updated in 2002, and federal law No.33-FZ "On specially protected natural areas" dated 14 March 1995.

The first law defines standards for environmental quality, makes provisions for the protection of biota and provides a basis for federal protected areas and activities permitted in them. The protected area law regulates the organization, protection and use of protected areas. This legislation recognizes different types of protected areas such as strict nature reserves, national parks and nature monuments at the federal level and nature parks, nature reserves and nature monuments, at the regional level.

Golden Mountains of Altai is a serial property composed of 5 protected areas. Two components, Altaisky Strict Nature reserve (ASNR) and Katunsky Strict Nature reserve (KSNR), are federal protected areas with the status of a Strict Nature Reserve (Zapovednik), corresponding to IUCN protected area category I and enjoying a high protection status where, in principle, no economic uses are allowed. There have been recent changes to the Russian legislation: through Federal Law No. 365-FZ dated 30 November 2011, a number of amendments and additions to the Federal Law N° 33-FZ have been made. The 3 other components have a regional protected area status: Belukha Mountain Nature Park (BMNP), Ukok Quiet Zone Nature Park (UQZNP) and Lake Teletskoye Nature Monument (LTNM). These regional protected areas have a protection status, equivalent to IUCN category IV (nature parks) or III (nature monuments).

Source: Advisory Body Evaluation; 2012 RMM mission report

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

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

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

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

The property has **no buffer zone**

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

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

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

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

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

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

Regional protected areas (namely, Nature Parks Belukha and Quiet Zone Ukok) have limited financial and human resources to effectively implement the legal framework

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

Other

If 'Other', please specify

Public management system joint national/ regional

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

A statutory Management Plan or zoning plan for the property.

Other forms of statutory or non-statutory plans (e.g. strategic plans)

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

An annual work plan or business plan

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

5.3.4 - Management Documents

Comment

There is no information prefilled by the World Heritage Centre

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

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

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

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

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

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

GLOCHAMORE (Global Change and Mountain Regions) Research Agenda, recommended by the UNESCO MAB programme for the Mountains Biosphere Reserves, is being implemented (at different degree) at Katunskiy and Altaiskiy Strict Nature Reserves. At these protected areas there are extensive monitoring programmes tackling climate and biodiversity change are in place. Also there are regional studies of climate change and its effects for biodiversity and landscapes covering other clusters of the property.

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

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

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

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

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

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

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

5.3.13 - Is the management system being implemented?

The management system is being **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)	0 %	83 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	8 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	1 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	8 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	0 %	0 %
		Total 0 %	Total 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 both the medium- and long-term**

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

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

		From local communities %	From elsewhere %
6.1.6.1	Men	85 %	20 %
6.1.6.2	Women	15 %	80 %
		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	Poor
Community participation and inclusion	Fair
Risk preparedness	Fair
Capacity development and education	Fair
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Good
Marketing and promotion	Fair
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	Fair
Environmental sustainability	Not available
Community participation and inclusion	Poor
Risk preparedness	Fair
Capacity development and education	Fair
Administration	Fair
Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	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 fully implemented; **all technical skills are being transferred** to those managing the property locally

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

7. Scientific Studies and Research Projects

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

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

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

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

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

There is a **planned and effective education and awareness programme** for children and youth that contributes to the protection of the World Heritage property

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

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

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

Visitor centre	Fair
Site museum	Poor
Information booths	Fair
Guided tours	Fair
Trails/routes	Fair
Printed information materials	Fair
Online (website, social media, etc.)	Good
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

610000 / 0 / 503000 / 495000 / 482000 /

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

Entry tickets and registries

Accommodation establishments

Transportation services

Tourism industry

Visitor surveys

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

More than four overnight stays

9.4 - Please provide the source of information

The number of visitors is being collected properly only for the Altaiskiy and Katunskiy Strict Nature Reserves (approximately 65000 and 9000 visitors per year). For the other areas we use assessments. Official statistics is being held only at regional level, demonstrating 2500000 visitations in 2022, 2186000 - in 2021, 2200000 - in 2020, 2117000 - in 2019 and 2115000 - in 2018. Source: <https://mpr-ra.ru/razvitie-turizma-v-respublike-altaj/turizm-v-tsifrah-itogovye-danny>

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

55 / 10 / 0 / 0 / 0 / 50 /

9.6 - Please provide the source of information

<https://tass.ru/obschestvo/16858185> Visitor survey at Katunskiy Biosphere Reserve in 2019-2022

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

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

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

There are relevant strategies for the Altaiskiy and Katunskiy Strict Nature Reserves, while there are no such strategies for the other clusters

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

There are locally-adapted monitoring systems at Altaiskiy and Katunskiy Strict Nature Reserves

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** and **easily visible** to visitors

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

Fees are collected, and make **some contribution** to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Projects on development of sustainable tourism with close involvement of local communities in the transition zones of Altaiskiy and Katunskiy Strict Nature Reserves

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

Yes

If 'Yes', please specify

Local people are actively involved into tourism as providers of local goods and services, therefore they benefit from the tourism at the WH site

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

Zero meanings in 9.1 and 9.5 mean "no data"

10. Monitoring

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

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

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

Information on the values of the World Heritage property is **adequate** and **key indicators have been defined** but **monitoring of the status of indicators could be improved**

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

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

10.4 - Please provide information on relevant key indicators adopted at the property

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Poor
Local communities	Poor
Indigenous peoples	Poor
Landowners	Poor
Women	Not applicable
Researchers	Good
Tourism industry	Poor
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?

Implementation is underway

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

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

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.1	Boundaries and Buffer Zones	
5.1.3	The property has no buffer zone	
5.1.4	The property has no known and recognised buffer zone	

5.2	Protective Measures						
5.2.4	The property has no buffer zone						
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain						
5.3	Management System/Management Plan						
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property						
5.3.7	Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property						
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property						
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved						
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does contribute to conflict prevention, including respect for cultural diversity within and around the World Heritage property 						
6.1	Funding						
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property						
6.1.7	Human resources partly meet the management needs of the World Heritage property						
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property						
7	Scientific Studies and Research Projects						
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value						
9	Visitor Management						
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation						
9.9	Visitor use of the World Heritage property is managed but improvements could be made						
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation						
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made						
10	Monitoring						
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value						
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved						
Please select 0 more issues.							
<input checked="" type="checkbox"/> Please save this question to reflect changes							

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.2	Transportation Infrastructure						
4.2.1	Ground transport infrastructure	Unregulated roads for ATV disturbing the vegetation	Law enforcement activities at Nature park "Quiet Zone Ukok"	Primary monitoring of land use during patrolling, monitoring visits of experts	on-going	Directorate of Protected Areas of Republic of Altai, external experts (researchers)	none
4.4	Pollution						
4.4.4	Air pollution	No clear confirmation of effect of the air pollution to the OUV. The pollution is noted at Katunskiy Biosphere Reserve caused by the transboundary air mass movement. Potential sources of pollution are the industrial centers of the Eastern Kazakhstan	Monitoring and research	Joint research expeditions of the Institute of geography of the Russian Academy of Sciences and Katunskiy Reserve staff (once per 5 years)	Once per 5 years	Administration of Katunsiy SNR	none

4.5	Biological resource use/modification						
4.5.4	Livestock farming/Grazing of domesticated animals	Potential damage to vegetation and flora species	Detailed study of the grazing impact onto the vegetation is required at the Nature Park "Quiet Zone Ukok", as well as implementation of the special monitoring for this factor	No	Perspective	Directorate of Protected Areas of the Republic of Altai	none
4.5.6	Commercial wild plant collection	Collection of the <i>Rhodiola rosea</i> within the areas, surrounding Katunskiy SNR. Serious damage to populations of the endangered species.	Law enforcement and monitoring of the state of plant population are required	Monitoring visits of the staff of Katunskiy SNR	On-going	Ministry of Natural resources of the Republic of Altai	none
4.5.7	Subsistence wild plant collection	Potential damage to vegetation	Patrolling the territory of protected areas, law enforcement	Monitoring of natural vegetation communities is in place at Altaiskiy and Katunskiy SNR, thus giving the background information on the natural dynamics of populations. However, monitoring of affected populations outside of the reserves is required	Ongoing and perspective	Ministry of Natural Resources and Ecology of the Republic of Altai, Directorate of Protected Areas of the Republic of Altai	none
4.5.8	Commercial hunting	Potential damage to wild animals populations (Red deer)	Law enforcement, wildlife monitoring	Monitoring visits and animal counts	On-going	Directorate of Protected Areas of the Republic of Altai	none
4.8	Social/Cultural uses of heritage						
4.8.6	Impacts of tourism/Visitation/Recreation	Damage to vegetation cover, littering of the natural territories, trail degradation	Law enforcement, monitoring the state of trails and camps, ecological campaigns against littering, removing the garbage from natural areas, public education, assessment of recreational carrying capacity	Monitoring of ecosystem state and impacts is in place at Altaiskiy and Katunskiy SNRs. It is required also for the other clusters	On-going + perspective	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none
4.9	Other human activities						
4.9.1	Illegal activities	Illegal collection of medicinal plants (including endangered), poaching - directly affects biodiversity	Law enforcement, sustainable livelihoods programme for local communities targeted to create additional income for local people as an alternative to illegal resource use, ecological education and public awareness	Monitoring the vegetation, animals counts	Ongoing + perspective	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none
4.10	Climate change and severe weather events						
4.10.6	Temperature change	Affects the dynamics of biodiversity and ecosystems. There are clear evidences of the upward shift of the treeline ecotone and degradation of modern glaciers. Plant species of the alpine zone are vulnerable.	Monitoring temperature regime and changes in biodiversity and physical environment. Public awareness campaigns on climate change.	Katunskiy and Altaiskiy SNRs implement (at different degree) the GLOCHAMORE (Global change and mountain regions) Research Agenda, which includes monitoring the landscapes and biodiversity. Katunskiy SNR is a GLORIA site.	Ongoing and perspective	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none
4.11	Sudden ecological or geological events						
4.11.4	Avalanche/Landslide	While being widespread, the avalanches are a normal process within the property. Does not significantly affect the OUV	No special actions are needed	Not needed	Not applicable	Not applicable	none

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.2	Protective Measures				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	There are enough resources for law enforcement within the federal protected areas (Altaiskiy and Katunskiy SNR), and lack of the resources at regional PAs. Therefore increase of regional capacities is required	On-going	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none
5.3	Management System/Management Plan				
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	There is an initiative to establish a coordination council for the property in order to harmonise the management of different sites. Its further implementation is desired.	Discussion on the Coordination Council started in 2022	UNESCO Chair at Gorno-Altai University	none
6.1	Funding				
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	There is a high need to increase the budget of the regional protected areas; potentially and partially by implementing the entrance fees	The feasibility study was initiated several years ago, but increase of capacities is required for its implementation	Directorate of Protected Areas of the Republic of Altai	none
6.1.7	Human resources partly meet the management needs of the World Heritage property	There is a strong need to increase the human resources of regional protected areas	-	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none
7	Scientific Studies and Research Projects				
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	Development of the OUV-specific monitoring programme aligned with stresses, threats and managerial responses is needed for all clusters of the property. Currently such program is being implemented at Altaiskiy and Katunskiy SNRs.	In coming years it is required to implement the monitoring at the other clusters of the property	Directorate of Protected Areas of the Republic of Altai	none
9	Visitor Management				

9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	Joint Strategy of Sustainable Tourism is needed for the property, developed in a participatory manner	Perspective	Ministry of Natural Resources and Ecology, Ministry of Tourism of the Republic of Altai	none
9.9	Visitor use of the World Heritage property is managed but improvements could be made	There is a need to enhance the visitor infrastructure within the property	Perspective	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation	Joint Strategy of Sustainable Tourism is needed for the property, developed in a participatory manner	Perspective	Ministry of Natural Resources and Ecology, Ministry of Tourism of the Republic of Altai, administrations of Altaiskiy and Katunskiy SNRs	none
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	There are educational and public awareness programmes being implemented within all clusters of the property. More coordination between clusters is required for interpretation and information dissemination within the region	Ongoing	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none
10	Monitoring				
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	Development of the OUV-specific monitoring programme aligned with stresses, threats and managerial responses is needed for all clusters of the property. Currently such program is being implemented at Altaiskiy and Katunskiy SNRs.	In coming years it is required to implement the monitoring at the other clusters of the property	Administrations of Altaiskiy and Katunskiy SNRs, Directorate of Protected Areas of the Republic of Altai	none

Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

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

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

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

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

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

The World Heritage property's Outstanding Universal Value has been **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	Positive
Management effectiveness	Positive
Quality of life for local communities and indigenous peoples	No impact
Recognition	Very positive
Education	Positive
Infrastructure development	Negative
Funding for the property	No impact
International cooperation	Very positive
Political support for conservation	Very positive
Legal/Policy framework	No impact
Advocacy	Positive
Institutional coordination	No impact
Security	No impact
Gender equality	No impact
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	No impact
Fostering inclusive local economic development and enhancing livelihood	No impact
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	No impact
Other	Not applicable
If 'Other', please specify	

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

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

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

1: NGO-driven long-term project on involvement of local people into development of ecotourism at the protected areas, designated as the WH. The project is aimed at increasing capacities of local communities in microenterprise by (1) trainings for local people, (2) financial support of local business-initiatives and (3) assisted promotion of local goods and services with the overall goal to provide the sustainable income from tourism for local communities as an alternative to poaching and unsustainable nature resource use. During 10 years of the project run, following results are achieved: up to 250 people received new skills and knowledge in the tourism-related fields (and relevant university-issued diploma); more than 200 local business-initiatives received financial support and resulted in >600 new seasonal and 110 new all-year jobs and 35 new touristic attractions (guest-houses, ethnovisitor-centers etc). 2: Transboundary cooperation of Katunskiy Strict Nature Reserve and Katon-Karagaitskiy National Park in Kazakhstan in the frameworks of the "Great Altay" Transboundary Biosphere Reserve. This cooperation provides (1) institutional mechanisms to prevent transboundary threat to the property (e.g. forest fires etc.), (2) coordinated monitoring programmes and activities (especially for the migrating animals), (3) effective information sharing about the OUV and special protection regime of the property and (4) popularization of the World Heritage.

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

Sustainable Development
Management
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
Management effectiveness to maintain the Outstanding Universal Value
Monitoring and reporting

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

State Party	Fair
Site Managers	Fair
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	No follow-up

15.2. Use of Data

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

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

Update of management plans

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

15.3. Timing and resources

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

Site Manager/Coordinator World Heritage property staff
Local communities
Other specific groups
Researchers
Non-Governmental Organizations

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

Gender balance has been **given limited consideration** and implementation is in process.

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

Yes

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

72 / 36 / 24 /

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)	Not applicable
UNESCO National Commission	Not applicable
ICOMOS International	Not applicable
IUCN International	Not applicable

ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable

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

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

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

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

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

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

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

• **Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee**

Reason for update: Altai is a unique natural mountain region of Siberia, with outstanding example of rich biodiversity, concentrated within compact area. Flora is represented by more than 2 000 species, about 12% of which are endemics. 60 mammal species inhabit the area, incl. globally-endangered Snow leopard and Altai Argali. Altai is unique example of biological evolution, being the one of the centers of species origin. Ecosystem cover includes relic tertiary coniferous forests and unique cryo-steppes.

Changes to these items will need to go through the proper processes.

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.