

The Persian Qanat

1. World Heritage Property Data

1.1 - Name of World Heritage property


The Persian Qanat

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Qasabeh Gonabad	34.29 / 58.654	4492	25805	30297	2016
Qanat of Baladeh	0 / 0	2757	19321	22078	2016
Qanat of Zarch	0 / 0	3984	125162	129146	2016
Hasam Abad-e Moshir Qanat	0 / 0	2759	121662	124421	2016
Ebrahim Abad Qanat	50.025 / 34.094	1238	23655	24893	2016
Qanat of Vazvan	0 / 0	5	29631	29636	2016
Mozd Abad Qanat	0 / 0	3636	?	3636	2016
Qanat of the Moon	33.379 / 52.375	5	3047	3052	2016
Qanat of Gowhariz	0 / 0	151	2980	3131	2016
Ghasem Abad	29.09 / 58.399	15	80	95	2016
Akbar Abad	29.089 / 58.399	15	?	15	2016
Total (ha)		19057	351343	370400	

1.4 - Map(s)

Title	Date	Link to source
The Persian Qanat - maps of the inscribed property	2016	

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

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

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

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

2.2 - Please provide comments on 2.1 if necessary

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

No

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

No

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

Not applicable

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

No

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

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?

Yes

2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the

Intangible Cultural Heritage of which you are aware

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

No

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

3. Statement of Outstanding Universal Value

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

Statement of Outstanding Universal Value

Brief synthesis

Throughout the arid regions of Iran, agricultural and permanent settlements are supported by the ancient qanat system of tapping alluvial aquifers at the heads of valleys and conducting the water along underground tunnels by gravity, often over many kilometres.

Each qanat comprises an almost horizontal tunnel collecting water from an underground water source, usually an alluvial fan, into which a mother well is sunk to the appropriate level of the aquifer. Well shafts are sunk at regular intervals along the route of the tunnel to enable removal of spoil and allow ventilation. These appear as craters from above, following the line of the qanat from water source to agricultural settlement. The water is transported along underground tunnels, so-called *koshkan*, by means of gravity due to the gentle slope of the tunnel to the exit (*mazhar*), from where it is distributed by channels to the agricultural land of the shareholders.

The levels, gradient and length of the qanat are calculated by traditional methods requiring the skills of experienced qanat workers and have been handed down over centuries. Many qanats have sub branches and water access corridors for maintenance purposes, as well as dependant structures including rest areas for the qanat workers, public and private hamams, reservoirs and watermills. The traditional communal management system still in place allows equitable and sustainable water sharing and distribution.

Criterion (iii): The Persian Qanat system is an exceptional testimony to the tradition of providing water to arid regions to support settlements. The technological and communal achievements of the qanats play a vital role of qanat in the formation of various civilisations. Its crucial importance for the larger arid region is expressed in the name of the desert plateau of Iran which is called "Qanat Civilisation". Dispersion of primary settlements on alluvial fans of the inner plateau and deserts of Iran is immediately related with the distribution pattern of qanat system across the country. The system also presents an exceptional living cultural tradition of communal management of water resources.

Criterion (iv): The Persian Qanat system is an outstanding example of a technological ensemble illustrating significant stages in the history of human occupation of arid and semi-arid regions. Based on complex calculations and exceptional architectural qualities, water was collected and transported by mere gravity over long distances and these transport systems were maintained over centuries and, at times, millennia. The qanat system enabled settlements and agriculture but also inspired the creation of a desert-specific style of architecture and landscape involving not only the qanats themselves, but their associated structures, such as water reservoirs, mills, irrigation systems, and gardens.

Integrity

The eleven qanats forming this property are still active water carriers and have retained not only their architectural and technological structures but also their function. They continue to provide the essential resource water sustaining Iranian settlements and gardens and remain maintained and managed through traditional communal management systems. These management systems have remained intact and been transferred from the distant past thanks to the collaboration of people and users.

To ensure the continued functionality of the qanats, the water catchment areas are included in the buffer zone and have been committed to highest protection levels considering their essential function in the provision of the water resources. Likewise, the agricultural areas illustrating the distribution and use of the water resources have been protected through buffer zones to allow the full long-term protection of the qanat system.

Authenticity

The authenticity of the eleven qanats has been respected regarding design, technology, building materials, traditions, techniques, management systems as well as intangible heritage associations based on knowledge of the natural environment, material technology and the indigenous culture. Qanats have been founded and constructed based on social collaboration, communal trust and honesty as well as common sense. Furthermore, their stability and functionality has been managed, preserved, expanded and developed based on such joint cooperation.

Protection and management requirements

The eleven qanats comprising this series are included in the national register of monuments of the Islamic Republic of Iran. Their catchment and irrigation areas have been included in specifically designed protective zones with status of buffer zones. The further elaboration and completion of an inventory of the eleven components will assist in monitoring and communicating the full scope of protected attributes.

The overall management of the serial nomination is coordinated by a Steering Committee comprising representatives of the Qanat Councils and relevant government departments including the Cultural Heritage Handicrafts and Tourism Organisation (ICHHTO), Natural Resources, Agriculture, Energy, Road and Urban Development, Environment Protection Organisation, Rural Housing Foundation and NGOs relating to cultural heritage and the environment. Daily management concerns are considered through the ICHHTO National Qanat Base which acts through ICHHTO's provincial offices. A Management Strategy and Action Plan was outlined at the time of nomination, which will be further developed into management and maintenance plans for the individual components. These will include interpretation and tourism management plans as well as risk preparedness and disaster response strategies.

The eleven qanats are managed under traditional supervision of qanat councils, each qanat with its local qanat council composed of those knowledgeable in the respective region. The traditional management systems of the inscribed qanats contribute to their unique value but are also essential to their continued preservation and transmission to future generations. Historical knowledge and craft skills preserved over many generations need to be continuously handed down to ensure the future viability of this property. This management system, set up by owners, distributors, consumers and ordinary people, has developed and evolved with the passage of time which has made qanats survive until today and will be the key to their future conservation.

The eleven qanats are further supported by financial and technical means through national resources, and conservation and management measures at all qanats are underway respecting their authenticity and integrity.

3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a

guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	The eleven qanats are managed under traditional supervision of qanat councils	✕			
3.2.2	The authenticity of the eleven qanats has been respected regarding design, technology, building materials, traditions, techniques, management systems as well as intangible heritage associations based on knowledge of the natural environment, material technology and the indigenous culture	✕			
3.2.3	The qanat system enabled settlements and agriculture but also inspired the creation of a desert-specific style of architecture and landscape involving not only the qanats themselves, but their associated structures, such as water reservoirs, mills, irrigation systems, and gardens.	✕			
3.2.4					
3.2.5					
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

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

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

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

4.1.2 - Commercial development






Relevant	✕ Not relevant
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4.1.3 - Industrial areas

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


















4.1.4 - Major visitor accommodation and associated infrastructure

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

 Negative 							
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4.1.5 - Interpretative and visitation facilities

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

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

4.2. Transportation Infrastructure















4.2.1 - Ground transport infrastructure

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

4.2.2 - Underground transport infrastructure


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

4.2.3 - Air transport infrastructure














Relevant	 Not relevant
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4.2.4 - Marine transport infrastructure

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

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

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

4.3. Services Infrastructures

4.3.1 - Water infrastructure

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

4.3.2 - Renewable energy facilities

Relevant

✕ Not relevant

4.3.3 - Non-renewable energy facilities

Relevant

✕ Not relevant

4.3.4 - Localised utilities











Relevant

✕ Not relevant

4.3.5 - Major linear utilities

✕ 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

4.3.1. : The best examples of cases which have the underground dome technology are Qanats of Isfahan, namely Qanat of Vazv n and Mozd b d Qanat. 4.3.5. : The negative aspect which should be considered is the possibility of destructive construction near our sites, but buffer zone's regulations, relevant legislations and risk management plan have controlled this situation.

4.4. Pollution

4.4.1 - Pollution of marine waters











Relevant

✕ Not relevant

4.4.2 - Ground water pollution

✕ Relevant











Not relevant

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

4.4.3 - Surface water pollution

✕ Relevant











Not relevant

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

4.4.4 - Air pollution

✕ Relevant



Not relevant







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

4.4.5 - Solid waste


✕ 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














Relevant	 Not relevant
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4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

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

4.5.2 - Aquaculture

Relevant	 Not relevant
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4.5.3 - Land conversion

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

4.5.4 - Livestock farming/Grazing of domesticated animals

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

4.5.5 - Crop production

Relevant	 Not relevant
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4.5.6 - Commercial wild plant collection

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

4.5.7 - Subsistence wild plant collection

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

4.5.8 - Commercial hunting

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

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

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

4.5.6. : Ten species of medical plants in Qanat of Baladeh have been recognised, which indigenous people consume them as their personal use.

4.6. Physical resource extraction

4.6.1 - Mining

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

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

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

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

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

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

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

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

4.7.4 - Radiation/Light

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

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

➡ Positive							
➡ Negative ✕	✕	✕		✕		➡	

4.7.6 - Water (rain/water table)

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

4.7.7 - Pests

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

4.7.8 - Micro-organisms

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

4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

✕ 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



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

4.8.3 - Indigenous hunting, gathering and collecting

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

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

 Positive ✕	✕	✕		✕		→	
 Negative ✕	✕			✕		→	

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

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








4.8.6 - Impacts of tourism/Visitation/Recreation

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

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

4.9. Other human activities

4.9.1 - Illegal activities

✕ 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

Relevant	✕ Not relevant
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4.9.3 - Military training

Relevant	✕ Not relevant
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4.9.4 - War

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

4.9.5 - Terrorism

Relevant	✕ Not relevant
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4.9.6 - Civil unrest

Relevant	✕ Not relevant
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4.9.7 - Please comment as necessary on how the factors selected as relevant in 4.9 are affecting the property either negatively or positively

4.10. Climate change and severe weather events

4.10.1 - Storms

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

4.10.2 - Flooding

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

4.10.3 - Drought

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








4.10.4 - Desertification

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

4.10.5 - Changes to oceanic waters

Relevant	✕ Not relevant
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4.10.6 - Temperature change

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

4.10.7 - Other climate change impacts

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

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

4.10.3. : Building underground dome in Mozd b d Qanat has avoided wasting water in specific seasons which irrigation of fields is not necessary. 4.10.4. : Qanat of Bam (Gh sem b d and Akbar b d) have been located in the middle of the Lut Desert, but the characteristics of Qanat can help decrease drought.











4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

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

4.11.2 - Earthquake

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

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

4.11.3 - Tsunami/Tidal wave











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

4.11.4 - Avalanche/Landslide

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

4.11.5 - Erosion and siltation/Deposition

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

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

4.11.6 - Fire (wildfire)

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

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

4.11.5. : A defined dredging mechanism conducted regularly to remove sludge once in every season.











4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

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











4.12.2 - Invasive/Alien terrestrial species

✕ 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

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

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

4.12.4 - Invasive/Alien marine species

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

4.12.5 - Hyper-abundant species

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

4.12.6 - Modified genetic material

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

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

➡ Positive							
➡ Negative ✕		✕	✕			➡	

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

4.12.2. : Fogging operations in collaboration with Yazd City Health Centre, in Qanat of Zarch has controlled spreading Phlebotomus. 4.12.6. : Monitoring and studying a specific aquatic species in collaboration with Ferdowsi University in Mashhad.

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

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

4.13.2 - Legal framework

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

4.13.3 - Governance

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

4.13.4 - Management activities


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

4.13.5 - Financial resources

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

4.13.6 - Human resources

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

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

4.13.7 - Low impact research/monitoring activities

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

4.13.8 - High impact research/monitoring activities

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

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

An integrated management plan has been implemented based on received recommendations from ICOMOS in 2018. In addition, operational guideline from UNESCO since 2016 has been used in order to preserve OUV of the property specially its authenticity and integrity.

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						
	🛑		👉		🔄	➡️
4.1.3 Industrial areas						
	🛑		👉		🔄	➡️
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						
	🛑		👉		🔄	👉
4.2.2 Underground transport infrastructure						
	🛑		👉	🕒	🔄	➡️
4.2.5 Effects arising from use of transportation infrastructure						
	🛑		👉		🔄	➡️
4.3 Services Infrastructures						
4.3.1 Water infrastructure	✅	🚩	👉	🕒	🔄	➡️
	🛑		👉		🔄	➡️
4.3.5 Major linear utilities						
	🛑		👉		🔄	➡️

4.4 Pollution						
4.4.2 Ground water 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						
4.5.3 Land conversion						
4.5.4 Livestock farming/Grazing of domesticated animals						
4.5.6 Commercial wild plant collection						
4.5.7 Subsistence wild plant collection						
4.6 Physical resource extraction						
4.6.4 Water (extraction)						
4.7 Local conditions affecting physical fabric						
4.7.3 Temperature						
4.7.5 Dust						
4.7.6 Water (rain/water table)						
4.7.7 Pests						
4.7.8 Micro-organisms						
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses						
4.8.2 Society's valuing of heritage						
4.8.4 Changes in traditional ways of life and knowledge system						
4.8.5 Identity, social cohesion, changes in local population and community						

4.8.6 Impacts of tourism/Visitation/Recreation						
4.9 Other human activities						
4.9.1 Illegal activities						
4.9.4 War						
4.10 Climate change and severe weather events						
4.10.1 Storms						
4.10.2 Flooding						
4.10.3 Drought						
4.10.4 Desertification						
4.10.6 Temperature change						
4.11 Sudden ecological or geological events						
4.11.2 Earthquake						
4.11.5 Erosion and siltation/Deposition						
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial species						
4.12.3 Invasive/Alien freshwater species						
4.12.6 Modified genetic material						
4.13 Management and institutional factors						
4.13.1 Management system/Management plan						
4.13.2 Legal framework						
4.13.3 Governance						
4.13.4 Management activities						
4.13.5 Financial resources						

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








Name	Impact			Origin		Trend
4.1.3 Industrial areas						

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

Name	Impact			Origin		Trend
4.1.4 Major visitor accommodation and associated infrastructure						

Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input 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

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

<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
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

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

Name	Impact			Origin		Trend
4.2.2 Underground transport infrastructure						

Spatial scale - Area affected by the factor

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



Temporal scale - Occurrence of the impact

<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
--------------------------	---------------

	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
4.2.5 Effects arising from use of transportation 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							
<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 type="checkbox"/>	Insignificant						
<input checked="" 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 checked="" type="checkbox"/>	Static						
<input type="checkbox"/>	Increasing						




Name		Impact			Origin		Trend
4.3.5 Major linear utilities							
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							

	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
4.4.2 Ground 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
4.4.3 Surface water pollution			
			

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
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

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

Name	Impact	Origin	Trend
4.4.4 Air pollution			
			





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	
	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	
✕	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

4.5 Biological resource use/modification



Name	Impact			Origin		Trend
4.5.1 Fishing/collecting aquatic resources						
						

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

Name	Impact			Origin		Trend
4.5.3 Land conversion						





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

	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
4.5.4 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

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

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes





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

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

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

Name	Impact	Origin	Trend
4.5.7 Subsistence wild plant collection	  		

Spatial scale - Area affected by the factor





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

Temporal scale - Occurrence of the impact

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

4.6 Physical resource extraction

Name	Impact	Origin	Trend
4.6.4 Water (extraction)	  		

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

	Decreasing
✕	Static
	Increasing

4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.3 Temperature			
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></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
4.7.5 Dust			
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></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
4.7.6 Water (rain/water table)	  		

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 - Developement over the last 6 years	
	Decreasing
✕	Static
	Increasing

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 - Developement over the last 6 years	
✕	Decreasing
	Static
	Increasing





Name	Impact			Origin		Trend
4.7.8 Micro-organisms						
						

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

Temporal scale - 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
4.8.2 Society's valuing of heritage	  		






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

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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

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

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

Name	Impact	Origin	Trend
4.8.4 Changes in traditional ways of life and knowledge system	  		
	 		





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

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

Name	Impact	Origin	Trend
4.8.5 Identity, social cohesion, changes in local population and community	<div> <div>+</div> <div>🚩</div> <div>🚩</div> </div>	<div> <div>🔄</div> </div>	<div> <div>↗</div> </div>
	<div> <div>-</div> <div>🚩</div> <div></div> </div>	<div> <div>🔄</div> </div>	<div> <div>↘</div> </div>

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	  		

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




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

Impact - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major

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

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

4.9 Other human activities

Name	Impact	Origin	Trend
4.9.1 Illegal activities	 		

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






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

Name	Impact	Origin	Trend
4.9.4 War			
	⊖	📌	🔄 →

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
4.10.1 Storms			
	  		




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

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

Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major





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
4.10.2 Flooding			
	  		

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
4.10.3 Drought						
						

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
4.10.4 Desertification			
	<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
4.10.6 Temperature change			
	<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

4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.2 Earthquake						
						
Spatial scale - Area affected by the factor						
	Restricted					
	Localised					
	Extensive					
✕	Widespread					
Temporal scale - Occurrence of the impact						
✕	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going					
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
4.11.5 Erosion and siltation/Deposition			
			

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




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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

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

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

4.12 Invasive/alien species or hyper-abundant species

Name	Impact	Origin	Trend
4.12.2 Invasive/Alien terrestrial species			
			

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

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

Name	Impact			Origin		Trend
4.12.3 Invasive/Alien freshwater species						
	⊖		📢	🕒		➡

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

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

Name	Impact	Origin	Trend
4.12.6 Modified genetic material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond	
<input 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

4.13 Management and institutional factors






Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Name	Impact			Origin	Trend
4.13.2 Legal framework					

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

Name	Impact	Origin	Trend
4.13.5 Financial resources	  		

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

Name	Impact			Origin		Trend
4.13.8 High impact research/monitoring activities						

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

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

4.17. Serial inscriptions (national or transnational)

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

All the effective factors are common to all components except the following factors; 4.1.3. Ebrahim b d Qanat 4.1.5. Qanat of Baladeh, Qasabeh Qanat, Ebrahim b d Qanat 4.3.1. Qanat of Vazv n, Mozd b d Qanat, Qanat of the Moon 4.5.3. Qanat of Baladeh, Qasabeh Qanat 4.5.6. Qanat of Baladeh 4.7.7. Qanat of Z rch 4.8.5. Qasabeh Qanat 4.12.12. Qanat of Z rch

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	The eleven qanats are managed under traditional supervision of qanat councils.	✕			
4.18.1.2	The authenticity of the eleven qanats has been respected regarding design, technology, building materials, traditions, techniques, management systems as well as intangible heritage associations based on knowledge of their natural environment material technology and the indigenous culture.	✕			
4.18.1.3	The qanat system enabled settlements and agriculture, but also inspired the creation of a desert- specific style of architecture and landscape involving not only the qanats themselves, but their associated structures such as water reservoirs, mills, irrigation systems and gardens.	✕			
4.18.1.4					
4.18.1.5					

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

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

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

Considering regulations, the core zone and buffer zone has been controlled.

5.2. Protective Measures

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

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

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

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

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

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

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

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

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

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

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

All the recommendation and planning happened in the Persian Qanat World Heritage Site in cooperation with Ministry of Cultural Heritage, Tourism and Handicraft, researchers and local communities. As a result, the plan has been implemented under supervision of experts.

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

5.3. Management System/Management Plan

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

Public management system joint national/ local

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.

Traditional ways of management recognised by local communities and other specific groups

Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property

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

An integrated management plan combining World Heritage and any other designations

A management plan

A disaster, climate or conflict risk management plan

A visitor/visitation management plan

An assessment of biological and cultural diversity and ecosystem services provided by the property

A joint approach to management of cultural and natural heritage

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

Since Qanat require integrated management, meetings were held monthly by engagement of local offices in the central office. The managers are supposed to introduce protection and restoration plans, specify their interactions with relevant entities and communicate the problems in such meetings.

5.3.4 - Management Documents

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

The policy for dealing with development proposals is **fully based** on 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.

The area constituting the buffer zone determined in each case through appropriate mechanisms. Details on the size, characteristics and authorized uses of a buffer zone, as well as a map indicating the precise boundaries of the property based on HUL recommendations.

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

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

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

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

The risk management policy is **fully based** on the agreed 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

By analysis of seismic and tectonic condition and faults of each region and feeding floods to aquifers, one could prevent from destruction of their structure. The use of new materials such as cement and cement coils instead of mud-made ones, sealing the gaps between coils and use of tar emulsions are some adoptable solutions to water- impenetrability of dry sections of Qanat. Drawing on experiences of traditional managers of Qanat and training Qanat diggers with new technical knowledge could significantly contribute to improved condition of Qanat during pre-event times and they will be very useful when crises occur as such measures reduce Risk-caused losses in terms of time and financial burden.

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

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

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

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

5.3.13 - Is the management system being implemented?

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

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

An annual work/action plan **exists and 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

The management plan has met all the requirements to present a comprehensive plan to preserve the site without discrimination people, such as age, sex, relegion, origin, ethnicity, etc.

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)	95 %	70 %
6.1.1.7	Governmental (regional/provincial/state)	5 %	18 %
6.1.1.8	Governmental (local/municipal)	0 %	7 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	5 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	%	%
		Total 100 %	Total 100 %

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

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

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

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

The existing sources of funding are **secure over 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	75 %	87 %
6.1.6.2	Women	25 %	13 %

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

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

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

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

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

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

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

Training and capacity building at this property is **fully based** on 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 a **comprehensive, integrated programme** of research, which is relevant to management needs and/or improving understanding of Outstanding Universal

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

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

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

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

Local communities
Indigenous peoples
Youth/children

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

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

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

A program called "Zang Qanat" in schools for the first time has been conducted in the country with the full cooperation of the Department of Education in coordination with the Governor and the Department of Agricultural Jihad, the Ministry of Energy and Environment.

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

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

Other

Site Manager

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

One day (no overnight stay)

9.4 - Please provide the source of information

The statistics are not accurate and they are only reported by site managers.

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

36 / 32 / 18 / 0 / 0 / 20 /

9.6 - Please provide the source of information

The statistics according to the question 9.5 is related to the last year (2020).

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****9.9 - Is visitor use effectively managed to maintain the Outstanding Universal Value of the property?**Visitor use of the World Heritage property is **effectively managed and does not impact its Outstanding Universal Value****9.10 - Is the effectiveness of tourism management regularly monitored?**

No

If a different system, please specify

9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the Outstanding Universal Value of the World Heritage property?There is **good cooperation** between those responsible for the World Heritage property and the tourism industry **to present the Outstanding Universal Value and increase appreciation****9.12 - How well is the information on the Outstanding Universal Value of the property presented and interpreted?**The Outstanding Universal Value of the property **is adequately presented and interpreted****9.13 - At how many locations is the World Heritage emblem displayed at the property?**In **many locations** and **easily visible** to visitors**9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property?****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

Selling handicrafts

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

Yes

If 'Yes', please specify

Economic benefits toward selling handicrafts

9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage property**10. Monitoring****10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the understanding of the Outstanding Universal Value?**There is a **comprehensive, integrated programme of monitoring**, which is relevant to management needs and/or improving understanding of the Outstanding Universal Value**10.2 - Is necessary information available in order to define key indicators for measuring the state of conservation and are they used in monitoring how the Outstanding Universal Value of the property is being maintained?**Information on the values of the World Heritage property is **adequate and key indicators have been defined** for measuring the state of conservation and **are being used in monitoring** of how the Outstanding Universal value of the property is being maintained

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

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

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

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

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

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

The permanent boundaries of property components and their buffer zone on the ground have been defined. Moreover, documentation has been expanded due to researchers and reports of regional offices. As well, strategy risk management plan has been implemented, and some correspondences between Central Office of Iranian Qanat and entities, managers of local offices are included and relevant guidelines were imparted. Also monthly, seasonal and annual monitoring reports help to control key indicators.

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

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.3	Management System/Management Plan	
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	×
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status 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	×
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	×

Please select 0 more issues.

☒ Please save this question to reflect changes

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.1 Buildings and Development							
4.1.5	Interpretative and visitation facilities	Criteria: iv	Under regulations of buffer zone, we have controlled the possible future destructive camping activities. The current positive feature is because of museums that we have built recently to promote tourism.	A monthly analysis regarding to reports of natural and historical, which is a key monitoring indicator as a part of physical type of risks in our risk management plan is executing.	Monthly	ICHHTO and Regional Offices	No comment.
4.7 Local conditions affecting physical fabric							
4.7.3	Temperature	Criteria: iii, iv	Because of material and form of the qanats, change of temperature is moderately controllable.	We are monitoring reports of stations of Iran Meteorological Organization, and we have defined monitoring indicators, such as water use system and qanat related structures in monthly and annually basis to control related risks.	Monthly and annually	ICHHTO, IMO (Iran Meteorological Organization)	No comment.
4.8 Social/Cultural uses of heritage							
4.8.5		Identity, social cohesion, changes in local population and community					
4.9 Other human activities							
4.9.4	War	Criteria: iii, iv	We cannot prevent happening this possible disaster, but as we are part of the 1954 Hague Convention for the protection of Cultural Property in the Event of Armed Conflict, this harmful situation could be controlled with international aids.	No monitoring is available right now.	Unpredictable.	There is not any specified agency.	No comment.
4.10 Climate change and severe weather events							
4.10.1	Storms	Criteria: iv	uncontrollable.	We are monitoring reports of stations of Iran Meteorological Organization, and we have defined monitoring indicators, such as water Inflow, water use system and qanat related structures in monthly and annually basis to control related risks.	Monthly, seasonally and annually	ICHHTO, IMO	No comment.
4.10.2		Flooding					
4.10.3		Drought					

4.11	Sudden ecological or geological events						
4.11.2	Earthquake	Criteria: iii, iv	Building related structures, such as baths near qanats has helped structural strengthening against possible sudden events.	We have defined natural aquifer as a monitoring indicator in earthquake monitoring area in our risk management plan, and we collect data from Iranian Seismological Center. Moreover, annual chemical test of water conducts regularly.	Annual	ICHHTO, ISC (Iranian Seismological Center)	No comment.
4.11.5	Erosion and siltation/Deposition	Criteria: iv	Seasonally dredging is happening.	Site managers report this problem whenever it happens.	Seasonally	ICHHTO, MAJ (Ministry of Agriculture Jihad)	No comment.
4.12	Invasive/alien species or hyper-abundant species						
4.12.3			Invasive/Alien freshwater species				
Question not completed							

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3	Management System/Management Plan				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	We are going to research the Impacts of Climate Change at the Research Institute of Cultural Heritage and Tourism.	Long-term plan	ICHHTO	No comment.
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status 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 	With respect to our country's laws, we are trying to improve the involvement of different groups specially minorities.	on-going	ICHHTO	No comment.

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	With demonstrating outstanding universal values of the property to the local people, responsible communities and authorities the amount of this budget is increasing.	On-going	ICHHTO	No comment.
6.1.7	Human resources partly meet the management needs of the World Heritage property	Informing local people is a long-term action, but we have seen it's positive influence during the past years. Therefore, people are getting interested to be involved as part of preserving this property more over the time.	Long-term plan	ICHHTO	No comment.
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	Ticket selling and having some handicraft shops could be our priority because of some tourism plan which are dedicated to some components.	six months pilot	ICHHTO	

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?

The Authenticity of the World Heritage property **has been preserved**

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.

Considering the WHC recommendations and other related documents provided by UNESCO, we have conducted a management plan which can preserve the OUV 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	Very positive
Quality of life for local communities and indigenous peoples	No impact
Recognition	Positive
Education	Positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	Positive

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

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

All the outstanding universal values of the property has been preserved, including authenticity and integrity.

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

- Preparation of identification document and branding for Qanat of Qasabeh. - Preparation of a comprehensive tourism development plan for Qanat of Qasabeh. - Research and documentary of dependent structures of Qanat of Zarch. - Compilation of monitoring forms. - Designing a website about Ebrahim Abad Qanat. - Preparation a trilingual booklet about Qanat of Baladeh. - Periodical reviews and updating fundamental studies such as analysis of stone materials, structures within the area of Qanats to determine their physical qualities and define penetrability of surface waters and feeding of Qanat aquifer. - Document and collection of data from relevant entities on ecologic and biologic conditions of premises of Qanat. - Developing GIS database. - Completing the re-organization map - Having tourism stations in Qanat of Baladeh. - Opening local management offices near sites. -Review and check-up of well shafts in terms of post-crisis structural strength to consider the probability of destruction. -Reconstruction, compensation of damages to Qanat after filling the reports of damages by cooperation with Agricultural Jihad Organization, local people and traditional management panels of Qanat. -Analysis of water quality through quantitative and qualitative methods to control and reduce pollution. -Monitoring the duties of stakeholders and beneficiaries based on relevant plans and guidelines. Updating diagnosis results of the analysis of environmental risks and making topical maps for natural factors and human risks. Reorganizing the visitor routes for Qanat galleries; - Making a comprehensive plan for reinforcing Qanat and its relevant structures. - Identification and revival of abandoned Qanat based in the boundaries of the Persian Qanats. - Developing a health tourism plan to convey the influence of Persian Qanats. - Cultural promotion and training of children in voluntary assistance plan of Qanat development.

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

Sustainable Development
Synergies
State of Conservation
Management
Governance
Capacity Building

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

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

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

State Party	No follow-up
Site Managers	No follow-up

UNESCO World Heritage Centre	No follow-up
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
Fundraising
Awareness raising
Advocacy

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

15.3. Timing and resources

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

Site Manager/Coordinator World Heritage property staff
External experts

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

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

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

Yes

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

480 / 480 / 50 /

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?

All 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

No suggestion

15.5. Training and Guidance

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

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Good
UNESCO National Commission	Good
ICOMOS International	Good
IUCN International	No support
ICCROM international/regional	Good
ICOMOS national/regional	Good
IUCN national/regional	No support

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

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Good
National Commission for UNESCO	Good
ICOMOS International	Good
ICCROM International/regional	Good
ICOMOS national/regional	Good
IUCN national/regional	Good
IUCN International	Good

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

Yes

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

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

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

No item were proposed for update

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

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

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