

Hyrcanian Forests

1. World Heritage Property Data

1.1 - Name of World Heritage property

Hyrcanian Forests

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Golestan (North)	37.421 / 55.724	17873.18	64300.77	82173.95	
Golestan (South)	37.341 / 55.726	10658.08	?	10658.08	
Abr (East)	36.813 / 54.945	6672.52	23323.35	29995.87	
Abr (West)	36.816 / 55.101	10991.08	?	10991.08	
Jahan Nama	36.665 / 54.402	11339.73	26862.83	38202.56	
Boola	36.099 / 53.394	17516.47	12344.21	29860.68	
Alimestan	36.174 / 52.404	394.3	845.98	1240.28	
Vaz (East)	36.279 / 52.125	2218.16	3720.15	5938.31	
Vaz (West)	36.307 / 52.061	4692.37	?	4692.37	
Kojoor	36.546 / 51.668	14891.8	9628.5	24520.3	
Chahar-Bagh	36.259 / 51.217	6886.44	2663.8	9550.24	
Khoshk-e-Daran	36.727 / 51.064	214.47	39.08	253.55	
Siahroud-e-Roudbar	36.9 / 49.672	11197.4	15897.4	27094.8	
Gast Roudkhan	37.066 / 49.153	10541.13	16015.37	26556.5	
Lisar	37.936 / 48.832	3397.61	1487.35	4884.96	
Total (ha)		129484.74	177128.79	306613.53	

1.4 - Map(s)

Title	Date	Link to source
Hyrcanian Forests - Maps of the inscribed property	2019	

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?

Not applicable

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

Not applicable

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

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?

Not applicable

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

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

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

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

No

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

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

The Hyrcanian Forests form a green arc of forest, separated from the Caucasus to the west and from semi-desert areas to the east: a unique forested massif that extends from south-eastern Azerbaijan eastwards to the Golestan Province, in Iran. The Hyrcanian Forests World Heritage property is situated in Iran, within the Caspian Hyrcanian mixed forests ecoregion. It stretches 850 km along the southern coast of the Caspian Sea and covers around 7 % of the remaining Hyrcanian forests in Iran.

The property is a serial site with 15 component parts shared across three Provinces (Gilan, Mazandaran and Golestan) and represents examples of the various stages and features of Hyrcanian forest ecosystems. Most of the ecological characteristics which characterize the Caspian Hyrcanian mixed forests are represented in the property. A considerable part of the property is in inaccessible steep terrain. The property contains exceptional and ancient broad-leaved forests which were formerly much more extensive however, retreated during periods of glaciation and later expanded under milder climatic conditions. Due to this isolation, the property hosts many relict, endangered, and regionally and locally endemic species of flora, contributing to the high ecological value of the property and the Hyrcanian region in general.

Criterion (ix): The property represents a remarkable series of sites conserving the natural forest ecosystems of the Hyrcanian Region. Its component parts contain exceptional broad-leaved forests with a history dating back 25 - 50 million years ago, when such forests covered most parts of the Northern Temperate region. These huge ancient forest areas retreated during Quaternary glaciations and later, during milder climate periods, expanded again from these refugia. The property covers most environmental features and ecological values of the Hyrcanian region and represents the most important and key environmental processes illustrating the genesis of those forests, including succession, evolution and speciation.

The floristic biodiversity of the Hyrcanian region is remarkable at the global level with over 3,200 vascular plants documented. Due to its isolation, the property hosts many relict, endangered, and regionally and locally endemic plant species, contributing to the ecological significance of the property, and the Hyrcanian region in general. Approximately 280 taxa are endemic and sub-endemic for the Hyrcanian region and about 500 plant species are Iranian endemics.

The ecosystems of the property support populations of many forest birds and mammals of the Hyrcanian region which are significant on national, regional and global scales. To date, 180 species of birds typical of broadleaved temperate forests have been recorded in the Hyrcanian region including Steppe Eagle, European Turtle Dove, Eastern Imperial Eagle, European Roller, Semicollared Flycatcher and Caspian Tit. Some 58 mammal species have been recorded across the region, including the iconic Persian Leopard and the threatened Wild Goat.

Integrity

The component parts of the property are functionally linked through the shared evolutionary history of the Caspian Hyrcanian mixed forest ecoregion and most have good ecological connectivity through the almost continuous forest belt in the whole Hyrcanian forest region. Khoshk-e-Daran, is the only component that is isolated, however it still benefits from a high level of intactness and contributes to the overall value of the series. Each component part contributes distinctively to the property's Outstanding Universal Value and the components together sustain the long-term viability of the key species and ecosystems represented across the Hyrcanian region, as well as the evolutionary processes which continue to shape these forests over time.

Several component parts have suffered in the past from lack of legal protection, and continue to be negatively impacted to some extent by seasonal grazing and wood collection. The sustainable management of these uses is a critical issue for the long-term preservation of the site's integrity and it will require strong ongoing attention by the State Party.

Protection and management requirements

All component parts of the property are state owned and strictly protected by national legislation. In the case of protected areas through the Nature Conservation Law and for areas outside of the protected areas by Iran's Heritage Law. It will be important to align the boundaries of the existing protected areas to those of the property following inscription on the World Heritage List so as to harmonize and streamline the management and protection regime across the site as a whole.

The management of the property's components is under the responsibility of three national agencies, the Iranian Forests, Range, Watershed and Management Organization (FRWO), Department of Environment (DoE) and the Cultural Heritage, Handicrafts and Tourism Organization (ICHHTO). A National Steering Committee is in place to ensure coordination across the series as a whole. This mechanism will need to be maintained in order to guarantee comprehensive management of the site into the future, based on a common vision and supported by adequate funding. Each component part has a management plan however, a "Master Management Plan" for the whole property is also a long term requirement. The national and component specific plans should be maintained, developed and updated regularly together by the responsible management institutions, in cooperation with ministries, universities and NGOs.

Public access and use of the area is legally regulated and logging, grazing, hunting and most other uses that may potentially impact the property are strictly prohibited within all component parts. Vehicle access and other uses and activities that may potentially impact the property are also either forbidden or strictly regulated. However, enforcement of access and use regulations is not always effective and requires strengthening. Particular attention is required to maintain and enhance where possible, ecological connectivity between components and to ensure effective regulation of seasonal grazing and wood collection.

Comment

Cultural Heritage, Handicrafts and Tourism Organization (ICHHTO) as a one of responsible entities in management of the Hyrcanian Forests, promoted to the ministry (Ministry of Cultural Heritage, Tourism and Handicrafts (MCTH) after inscription of this property in the UNESCO World Heritage List

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	outstanding example of exceptional broad-leaved forests with a history dating back 25 - 50 million years ago	✕			
3.2.2	Ongoing ecological processes of diversification and adaptation to constantly changing environmental conditions	✕			
3.2.3	remarkable floristic diversity at the global level with many relict, fossil, endangered, and regionally and locally endemic plant species	✕			
3.2.4	Extraordinary diversity of rare, endangered, and endemic species of animal significant on national, regional and global scales	✕			
3.2.5	high degree of endemism	✕			
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

4.1.2 - Commercial development

Relevant

✕ Not relevant

4.1.3 - Industrial areas

Relevant

✕ Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure

Relevant

✕ Not relevant

4.1.5 - Interpretative and visitation facilities

✕ Relevant

Not relevant

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

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

In general, because of strict protecting laws and lack of access to the most of the components, tourism infrastructure within most of the components are poor. But there are visitor center and museum in Khoshk-e-Daran and Golestan components. These centers have trained experts that present brochures to the tourists and gave them a lot of information about the property. Different books, posters, photos etc., in these centers would increase visitor's awareness.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

✕ Relevant				Not relevant			
	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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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			
	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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4.3.2 - Renewable energy facilities

Relevant	✕ Not relevant
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4.3.3 - Non-renewable energy facilities

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

4.3.4 - Localised utilities

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

Negative							
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4.3.5 - Major linear utilities

Relevant	Not relevant
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	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

the villages located in the buffer zones and the surrounded area of the components have electricity, a privilege that helped decrease the independence of the villagers on natural resources.

4.4. Pollution

4.4.1 - Pollution of marine waters

Relevant	Not relevant
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4.4.2 - Ground water pollution

Relevant	Not relevant
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4.4.3 - Surface water pollution

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

4.4.4 - Air pollution

Relevant	Not relevant
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4.4.5 - Solid waste

Relevant	Not relevant
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	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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







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
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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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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	 Not relevant
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4.5.9 - Subsistence hunting

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

4.5.10 - Forestry/Wood production

Relevant	 Not relevant
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4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

There is no silvicultural intervention whatsoever but the limited logging by local people (for making handicrafts and renewing rural houses etc.), and traditional use of natural resources such as none wood products and medicinal plants and forest fruits has a long history over thousand years

4.6. Physical resource extraction

4.6.1 - Mining

Relevant	 Not relevant
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4.6.2 - Quarrying

Relevant	 Not relevant
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4.6.3 - Oil and gas

Relevant	 Not relevant
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4.6.4 - Water (extraction)

Relevant	 Not relevant
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4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Relevant

✕ Not relevant

4.7.2 - Relative humidity

Relevant

✕ Not relevant

4.7.3 - Temperature

Relevant

✕ Not relevant

4.7.4 - Radiation/Light

Relevant

✕ Not relevant

4.7.5 - Dust

Relevant

✕ Not relevant

4.7.6 - Water (rain/water table)

Relevant

✕ Not relevant

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















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

There are no permanent residents in any of the 15 components. There are only four components that have rural communities living in their buffer zones. These are: Abr with seven villages and 7.3 people per Km2, Jahan Nama with one village and 8.4 people per Km2, Boola with one village and 1.06 people per Km2 and Gasht Roudkhan with one village and 3.08 people per Km2. According to a 2016 national survey, the number of inhabitants in the said buffer zone is less than 25 people per square kilometer

4.9. Other human activities














4.9.1 - Illegal activities

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

4.9.3 - Military training

Relevant	 Not relevant
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4.9.4 - War

Relevant	✕ Not relevant
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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
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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
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4.10.4 - Desertification

Relevant	✕ Not relevant
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4.10.5 - Changes to oceanic waters

Relevant	✕ Not relevant
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4.10.6 - Temperature change

Relevant	✕ Not relevant
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4.10.7 - Other climate change impacts

Relevant	✕ Not relevant
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4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Relevant	✕ Not relevant
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4.11.2 - Earthquake

Relevant	✕ Not relevant
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4.11.3 - Tsunami/Tidal wave

Relevant	✕ Not relevant
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4.11.4 - Avalanche/Landslide

Relevant	✕ Not relevant
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4.11.5 - Erosion and siltation/Deposition

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

Positive							
Negative							

4.11.6 - Fire (wildfire)

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

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

Wild fire happened very rarely (less than 5%) in the Hyrcanian Forests

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

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

4.12.2 - Invasive/Alien terrestrial species

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

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
----------	--------------

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

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

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

4.13.2 - Legal framework

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

4.13.3 - Governance

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

4.13.4 - Management activities

✕ 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

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						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
4.2.5 Effects arising from use of transportation infrastructure						
4.3 Services Infrastructures						
4.3.3 Non-renewable energy facilities						
4.3.4 Localised utilities						
4.3.5 Major linear utilities						
4.4 Pollution						
4.4.3 Surface water pollution						
4.4.5 Solid waste						
4.5 Biological resource use/modification						
4.5.3 Land conversion						
4.5.4 Livestock farming/Grazing of domesticated animals						
4.5.7 Subsistence wild plant collection						
4.5.9 Subsistence hunting						
4.7 Local conditions affecting physical fabric						
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						
	-	⚠	⚠		↺	→
4.9.2 Deliberate destruction of heritage						
	-		⚠		↺	↘
4.10 Climate change and severe weather events						
4.10.2 Flooding						
	-	⚠		⊙	↺	→
4.11 Sudden ecological or geological events						
4.11.5 Erosion and siltation/Deposition						
	-	⚠			↺	→
4.11.6 Fire (wildfire)						
	-		⚠		↺	→
4.12 Invasive/alien species or hyper-abundant species						
4.12.1 Translocated species						
	-	⚠	⚠	⊙	↺	→
4.12.2 Invasive/Alien terrestrial species						
	-	⚠	⚠	⊙	↺	→
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	+	⚠		⊙	↺	↗
4.13.2 Legal framework	+	⚠	⚠	⊙	↺	↗
4.13.3 Governance	+	⚠		⊙	↺	↗
4.13.4 Management activities	+	⚠	⚠	⊙	↺	↗
4.13.5 Financial resources	+	⚠		⊙	↺	↗
4.13.6 Human resources	+	⚠		⊙	↺	↗
4.13.7 Low impact research/monitoring activities	+	⚠		⊙	↺	↗
4.13.8 High impact research/monitoring activities	+	⚠	⚠	⊙	↺	→

	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
4.2.5 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
4.3.3 Non-renewable energy 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

Name	Impact			Origin	Trend
4.3.4 Localised utilities					

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised




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

Name	Impact			Origin	Trend
4.3.5 Major linear utilities					
					

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

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

4.4 Pollution

Name	Impact	Origin	Trend
4.4.3 Surface water pollution			
	 		 





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

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

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

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

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

Name	Impact	Origin	Trend
4.4.5 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
4.5.3 Land conversion						
	⊖	⚡		🌱	🔄	➡

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
4.5.4 Livestock farming/Grazing of domesticated animals	<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 type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<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
4.5.7 Subsistence wild plant collection	<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	
---	--






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

Name	Impact			Origin		Trend
4.5.9 Subsistence hunting						
	⊖	🚩		🌐	🌱	📈











Spatial scale - Area affected by the factor	
✕	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

4.7 Local conditions affecting physical fabric





Name	Impact			Origin		Trend
4.7.7 Pests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						

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

Name	Impact			Origin		Trend
4.7.8 Micro-organisms						
						





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

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	
<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input 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
4.8.2 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							
<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
4.8.5 Identity, social cohesion, changes in local population and community					

Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
	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	
	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
4.8.6 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	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact			Origin		Trend
4.9.2 Deliberate destruction of heritage						

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




	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
4.10.2 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

4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.5 Erosion and siltation/Deposition						
						







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

Name	Impact			Origin		Trend
4.11.6 Fire (wildfire)						
						




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

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

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.12.2 Invasive/Alien terrestrial species			
	  	 	

Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

✕	Insignificant
	Minor
	Significant
	Major





Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing

4.13 Management and institutional factors







Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	 	 	

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread




Temporal scale - Occurrence of the impact

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

Name	Impact	Origin	Trend
4.13.2 Legal framework	  	 	

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

	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.13.3 Governance	 	 	

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes




	Insignificant
	Minor
✕	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.13.4 Management activities	  	 	





Spatial scale - Area affected by the factor

	Restricted
	Localised
✕	Extensive
	Widespread

Temporal scale - Occurrence of the impact




	One off or rare
--	-----------------

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

Name	Impact			Origin		Trend
4.13.5 Financial resources						

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

	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.13.6 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

surface water pollution: Khoshk-e Daran (12) Solid waste: Golestan (01, 02) Livestock farming/grazing domesticated: Siahroud-e Roudbar flooding: Golestan (01, 02) fire: Golestan (01, 02), Siahroud-e Roudbar (13) effect arising from use of transportation infrastructure: Golestan (01, 02)

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	outstanding example of exceptional broad-leaved forests with a history dating back 25 - 50 million years ago	×			
4.18.1.2	Ongoing ecological processes of diversification and adaptation to constantly changing environmental conditions	×			
4.18.1.3	remarkable floristic diversity at the global level with many relict, fossil, endangered, and regionally and locally endemic plant species	×			
4.18.1.4	Extraordinary diversity of rare, endangered, and endemic species of animal significant on national, regional and global scales	×			
4.18.1.5	high degree of endemism	×			

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

all 15 Hyrcanian components located in the protected areas. therefore the boundaries of the WH and Buffer zone are recognised by both the management authority and local communities/landowners

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

1979 / Constitution Law of Islamic Republic of Iran / 1935 /
Iranian Civil Law / 1996 / The Islamic Penal Law /
1930 / The Law for Protection of National Heritage /
1979 / The Law for Establishing Iranian Cultural Heritage Organization /
1975 / The law on Iran joining the convention of protecting natural and cultural heritage /
1992 / Tourism development law /
1972 / Convention Concerning the Protection of the World Cultural and Natural Heritage /
1992 / Convention on Biological Diversity / 1974 /
International Union for Conservation of Nature and Natural Resources / 1982 / World Charter for Nature /
1973 / Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) /

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

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

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

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

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

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

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

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

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

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

5.3. Management System/Management Plan

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

Other

If 'Other', please specify

Government management system

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

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

Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups

A management plan

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

- Creation National Steering Committee as a top decision-making body, composed of representatives of all the related entities - Creation of the national and local Technical Advisory Committee - Establishment of five provincial Bases covering 15 components - The establishment of various research groups - Provide master plan for management and protection of the property

5.3.4 - Management Documents

Comment

comprehensive management plan of the Hyrcanian Forests is providing

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

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

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

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

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

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

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

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

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

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

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

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

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

5.3.13 - Is the management system being implemented?

The management system is being **only partially implemented**

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	NGOs				

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	Universities				

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

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality				✗	

5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)				×	
5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status				×	
5.3.17.4	The management system of the property integrates a human rights-based approach				×	
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood			×		
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property			×		

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

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

6. Financial and Human Resources

6.1. Funding

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

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

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

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

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

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

The existing sources of funding are **secure over 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	65 %	70 %
6.1.6.2	Women	35 %	30 %
		Total 100 %	Total 100 %

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

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

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

Conservation	Fair
Environmental sustainability	Fair

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

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

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

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

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

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

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

7. Scientific Studies and Research Projects

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

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

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

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

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

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

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

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

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

Local communities
Local/municipal authorities
Indigenous peoples
Landowners
Women
Youth/children
Researchers
Local Visitors
National/international tourists
Tourism industry
Local businesses and industries
NGOs

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

Visitor centre	Poor
Site museum	Not provided but needed
Information booths	Poor
Guided tours	Fair
Trails/routes	Fair
Printed information materials	Poor
Online (website, social media, etc.)	Poor
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

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?

Accommodation establishments

Transportation services

Visitor surveys

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

there are no entry tickets sale, and the the property located in a vast area and it is hard to estimate the number of visitors for all the Hyrcanian inscribed sites.

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

15 / 25 / 10 / 10 / 12 / 20 /

9.6 - Please provide the source of information

accommodation statistic, local shops

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 managed but **improvements could be made**

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

traditional system

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

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

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

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

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

Not displayed at all

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

No fees are collected

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

production of honey and herbal tea from wild endemic tree blossom, development of handicrafts,

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

Yes

If 'Yes', please specify

the historical villages in the buffer zone and the neighboring regions have suitable potential for tourism development. Local communities could provide facilities for both national and international visitors and

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

10. Monitoring

10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the

understanding of the Outstanding Universal Value?

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

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

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

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

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

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

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

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

Implementation is underway

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

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

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.3	Management System/Management Plan	
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	×
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	
5.3.13	The management system at the property is only being partially implemented	×

5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does contribute to fostering inclusive local economic development, and to enhancing livelihood In a limited manner, the management system of the World Heritage property does contribute to conflict prevention, including respect for cultural diversity within and around the World Heritage property 	
6.1	Funding	
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	✕
6.1.7	Human resources partly meet the management needs of the World Heritage property	✕
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff	
7	Scientific Studies and Research Projects	
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	✕
8	Education, Information and Awareness Building	
8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the needs	✕
9	Visitor Management	
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	✕
9.9	Visitor use of the World Heritage property is managed but improvements could be made	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	✕
10	Monitoring	
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved	✕

Please select 1 more issues.

☒ Please save this question to reflect changes

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.1	Buildings and Development						
4.1.5	Interpretative and visitation facilities	negative: potentially impact on plant and animal population and induced fire, positive: raising awareness about OUV	holding training courses for tour guide use of training brochures, booklets, Radio and TV programs research allocate budget for establishment of museum, visitor centers assessment of tourism impacts on nature use of universities capacity	regular monitoring through year especially 24 hours patrolling in peak season use of drone for firefighting, remote sensing methods, field visit, camera trap	field visit performed daily during peak season. other actions planned in the form of short term (0-3 years), mid- term (3-7 years), long- term (7-10 years).	the Base of the Hyrcanian Forests in cooperation with local people and authorities, Iranian Department of Environment, ministry of cultural heritage tourism and handicrafts, forest, rangeland and watershed management organization, universities	Golestan (01, 02) and Khoshk-e Daran (12) has visitor centers. budget is allocating for establishment of visitor center through 10 years. there are no visitation facilities in the property because of strict protecting and hard access to the property
4.2	Transportation Infrastructure						
4.2.1	Ground transport infrastructure	roads potential threats such as noisy traffic, road accident, human induced fire and garbage impact on plant and animal population	Asian highway in buffer zone of Golestan (01, 02) will be blocked and replaced with an alternative route in the northern border of the national park. research holding training workshops improve firefighting equipment allocating budget	regular monitoring and traffic management through a year specially in peak season	5 years	the Base of the Hyrcanian Forests in cooperation with local people and authorities, ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Ministry of Roads & Urban Development, provincial governor of Golestan	none

4.2.5	Effects arising from use of transportation infrastructure	negative: roads potential threats such as noisy traffic, road accident, human induced fire and garbage impact on animal death, population, distribution, etc. positive: improve the management of the property and conservation of OUV	blocking Asian highway in buffer zone of Golestan (01, 02) management of roads and traffic with cooperation of Iran Ministry of Roads & Urban Development research holding training courses improve firefighting equipment	regular monitoring and traffic management through a year specially in peak season regular field visit, remote sensing methods. use camera trap	Actions planned in the form of short term (0-3 years), mid-term (3-7 years), long-term (7-10 years)	the Base of the Hyrcanian Forests in cooperation with local people and authorities, ministry of cultural heritage tourism and handicrafts, Iranian Department of Environment, Ministry of Roads & Urban Development, provincial governor of Golestan	the government of Iran decided to blocking Asian highway as a priority, in Golestan (01, 02) for conservation of OUV. Lifting of sanctions against Iran will help to implement the decision.
4.7	Local conditions affecting physical fabric						
4.7.8		Micro-organisms					
4.8	Social/Cultural uses of heritage						
4.8.5	Identity, social cohesion, changes in local population and community	conservation of OUV	Empowerment of villagers increase public awareness holding training workshops and educational courses cooperation between local people and authorities allocating budget	assessment of population and housing census	5 years	the Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts, Iranian Department of Environment, Forests, Rangeland and Watershed management organization, Statistical center of Iran	There are no permanent residents in any of the 15 components. There are only four components that have rural communities living in their buffer zones. the number of inhabitants in the said buffer zone is less than 25 people per square kilometer.
4.8.6	Impacts of tourism/Visitation/Recreation	conservation of OUV, help to livelihood	marketing management of tourism specially in peak season Empowerment of villagers increase public awareness holding training workshops and educational courses cooperation between local people and authorities	regular monitoring specially in peak season 24 hours patrolling visitor survey annually	Actions planned in the form of short term (0-2 years), mid-term (2-5 years), long-term (5-10 years)	the Base of the Hyrcanian Forests in cooperation with local people and authorities, ministry of cultural heritage tourism and handicrafts, Iranian Department of Environment, Forests, Rangeland and Watershed management organization, universities	because of strict protecting laws and lack of access to the property, tourism infrastructure inside are poor.
4.9	Other human activities						
4.9.1		Illegal activities					
4.10	Climate change and severe weather events						
4.10.2	Flooding	climate change impact on plant and animal population, migration, distribution, combination soil erosion, flooding, fire, outbreak of pest and disease.	use of flood and fire warning system use of Tackling climate change framework research holding training workshops allocating budget cooperation with universities and research institutes	regular monitoring of meteorological data daily, monthly, annually regular field visit	Actions planned in the form of short term (0-3 years), mid-term (3-7 years), long-term (7-10 years)	the Base of the Hyrcanian Forests, ministry of cultural heritage tourism and handicrafts, Iranian Department of Environment, Forests, Rangeland and Watershed management organization, universities, Iran meteorological organization	there are meteorological station around all inscribed sites and the data analyze regularly.
4.11	Sudden ecological or geological events						
4.11.5		Erosion and siltation/Deposition					

4.11.6	Fire (wildfire)	wildfire impact on plant and animal population	use of firefighting warning system and equipment, providing fire hazard map in the sensitive area strict protection specially during summer, lightening, warm wind holding training courses	regular monitoring and 24 hours patrolling especially when there is lightening, southern hot wind (in autumn and winter) known as the "Garmich" (hot wind), and drought season	Actions planned in for 0- 5 years	the Base of the Hyrcanian Forests in cooperation with local people and authorities, ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Forests rangeland and watershed management organization, universities	wildfire very rarely happen (less than 5%)
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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	use of the Document in comprehensive management plan of the property base on the property conditions research use of universities and research institutes capacity	actions planned in 0-10 years	the Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Forests rangeland and watershed management organization,	We follow patterns of coping with climate change and use it based on regional conditions in the property
5.3.13	The management system at the property is only being partially implemented	the comprehensive management plan of the property is providing allocating budget	short term plan (0-2 years) mid- term plan (2-5 years) long- term plan (5-10 years)	he Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Forests rangeland and watershed management organization,	each Hyrcanian inscribed site has a management plan. after inscription the Base of the Hyrcanian Forests is providing a comprehensive management plan in cooperation with all managing entities For the common purpose of protecting OUV and integroty
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	increase the budget	the budget for world heritage site in Iran allocate annually	ministry of cultural heritage tourism and handicrafts	the total budget of the country decrease because of the economical sanctions against Iran.
6.1.7	Human resources partly meet the management needs of the World Heritage property	allocating budget for recruitment and training human resources	with allocating the budget, the process of the recruitment of human resource from universities and other related organization will be implemented in 10 years	he Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Forests rangeland and watershed management organization,	the number of human resource is fair, but we need to improve skills and training
7	Scientific Studies and Research Projects				
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	use of universities and research institutes capacity and direct research toward management needs allocate budget holding training courses for improving understanding of OUV	actions planned in 0-10 years.	he Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Forests rangeland and watershed management organization,	the universities and research institutes perform many basic studies in the property, and we need to coordinate these research with management needs in the property
8	Education, Information and Awareness Building				

8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the needs	TV and radio training program about the nature and property establishment of natural history and biodiversity museum use of media, booklet and brochures training courses in schools	the actions planned in 0-10 years	he Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Forests rangeland and watershed management organization,	education and awareness programme for children and/or youth is a priority for conservation of OUV in the long run.
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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	allocate enough budget and improve infrastructure determine tourism carrying capacity for the property holding training courses for improving understanding of OUV research training tour guide empowerments of the villagers	Actions planned in the form of short term (0-2 years), mid- term (2-5 years), long- term (5-10 years)	he Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment, Forests rangeland and watershed management organization, Universities, research institutes	because of strict protecting laws and lack of access to the property, tourism infrastructure are poor. close to some of the components there are some visitor facilities and infrastructure that can provide services to tourists.
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	holding training courses improve the tourism infrastructure production of TV and Radio educational program use of social mass media, booklet and brochures	the actions planned in the form of short term (0-3 years), mid term (3-7 years) and long term (7-10 years)	he Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment,Forests rangeland and watershed management organization, Universities,Islamic Republic of Iran Broadcasting	use of social mass media is very effective inThe presentation and interpretation of the Outstanding Universal Value of the property

10	Monitoring				
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved	allocate enough budget for improve equipment training of human resource research	the actions planned in the form of short term (0-3 years), mid term (3-7 years) and long term (7-10 years)	he Base of the Hyrcanian Forests in cooperation with ministry of cultural heritage tourism and handicrafts,Iranian Department of Environment,Forests rangeland and watershed management organization, Universities	Due to the high level of natural heritage protection, we need to upgrade equipment, facilities and training

Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

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

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

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

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

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

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

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

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

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

13. Impact of World Heritage Status

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

Conservation	Positive
Research and monitoring	Positive

Management effectiveness	Positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Positive
Education	Positive
Infrastructure development	No impact
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Positive
Advocacy	Positive
Institutional coordination	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	No impact
Fostering inclusive local economic development and enhancing livelihood	No impact
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Positive
Other	Not applicable
If 'Other', please specify	

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

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

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

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 World Heritage Convention
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	Good
Site Managers	Good

UNESCO World Heritage Centre	Poor
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Poor

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

Completion of questionnaire of Periodic Reporting has increase my knowledge and understanding regarding management of the Hyrcanian Forests.

15.3. Timing and resources

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

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

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

504 / 168 / 84 /

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

15.5. Training and Guidance

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

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Good
UNESCO National Commission	No support
ICOMOS International	Good
IUCN International	Good
ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Good

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	No support
ICOMOS International	Not applicable
ICCROM International/regional	Not applicable
ICOMOS national/regional	Poor
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?

Satisfactory

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

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

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

Reason for update: Cultural Heritage, Handicrafts and Tourism Organization (ICHHTO) as a one of responsible entities in management of the Hyrcanian Forests, promoted to the ministry (Ministry of Cultural Heritage, Tourism and Handicrafts (MCTH) after inscription of this property in the UNESCO World Heritage List

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

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

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

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