

West Lake Cultural Landscape of Hangzhou

1. World Heritage Property Data

1.1 - Name of World Heritage property

West Lake Cultural Landscape of Hangzhou

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
West Lake Cultural Landscape of Hangzhou	30.238 / 120.141	3322.88	7270.31	10593.19	2011
Total (ha)		3322.88	7270.31	10593.19	

1.4 - Map(s)

Title	Date	Link to source
Map of inscribed property - West Lake Cultural Landscape of Hangzhou	2011	Map

Comment

As requested by the World Heritage Centre, the State Party submitted updated maps of the property in 2021.

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

Comment

Website <http://westlake.hangzhou.gov.cn/>

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) is designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) is not 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)		x
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)		x
2.1.3	The List of Wetlands of International Importance (The Ramsar List) (Convention on Wetlands of International Importance (Ramsar Convention))		x
2.1.4	World Network of Biosphere Reserves Man and the Biosphere (MAB) Programme		x
2.1.5	Global Geoparks Network UNESCO Global Geoparks		x

2.2 - Please provide comments on 2.1 if necessary

No comment

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.	x
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.	x
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.	x
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.	x
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.	x
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)

No comment

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

Yes

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

In 2006, Seal Carving (Xiling Seal Art Society) was approved and announced by the State Council and included in the national list of representative items of intangible cultural heritage. 2009, Chinese Seal Carving was included in the UNESCO Representative List of Intangible Cultural Heritage of Humanity.

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

No

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

No comment

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

West Lake is surrounded on three sides by 'cloud-capped hills' and on the fourth by the city of Hangzhou. Its beauty has been celebrated by writers and artists since the Tang Dynasty (AD 618-907). In order to make it more beautiful, its islands, causeways and the lower slopes of its hills have been 'improved' by the addition of numerous temples, pagodas, pavilions, gardens and ornamental trees which merge with farmed landscape. The main artificial elements of the lake, two causeways and three islands, were created from repeated dredgings between the 9th and 12th centuries. Since the Southern Song Dynasty (thirteenth century) ten poetically named scenic places have been identified as embodying idealised, classic landscapes - that manifest the perfect fusion between man and nature. West Lake is an outstanding example of a cultural landscape that display with great clarity the ideals of Chinese landscape aesthetics, as expounded by writers and scholars in Tang and Song Dynasties. The landscape of West Lake had a profound impact on the design of gardens not only in China but further afield, where lakes and causeways imitated the harmony and beauty of West Lake. The key components of West Lake still allow it to inspire people to 'project feelings onto the landscape'. The visual parameters of this vast landscape garden are clearly defined, rising to the ridges of the surrounding hills as viewed from Hangzhou.

Criterion (ii): The improved landscape of West Lake can be seen to reflect Buddhist ideals imported into China from India such as 'Buddhist peacefulness' and 'nature as paintings', and in turn it had a major influence on landscape design in East Asia. Its causeways, islands, bridges, temples, pagodas and well defined views, were widely copied over China, notably in the summer Palace at Beijing and in Japan. The notion of ten poetically named scenic places persisted for seven centuries all over China and also spread to the Korean peninsula after the 16th century, when Korean intellectuals made visits to the West Lake.

Criterion (iii): The West Lake landscape is an exceptional testimony to the very specific cultural tradition of improving landscapes to create a series of 'pictures' that reflect what was seen as a perfect fusion between people and nature, a tradition that evolved in the Tang and Song Dynasties and has continued its relevance to the present day. The 'improved' West Lake, with its exceptional array of man-made causeways, islands, bridges, gardens, pagodas and temples, against a backdrop of the wooded hills, can be seen as an entity that manifests this tradition in an outstanding way.

Criterion (vi): The Tang and Song culture of demonstrating harmony between man and nature by improving the landscape to create pictures of great beauty, captured by artists and given names by poets, is highly visible in the West Lake Landscape, with its islands, causeways, temples, pagodas and ornamental planting. The value of that tradition has persisted for seven centuries in West Lake and has spread across China and into Japan and Korea, turning it into a tradition of outstanding significance.

Integrity

The property contains all the key attributes of Outstanding Universal Value in terms of the lake, the wooded hills surrounding it on three sides up to their skyline and the causeways, islands, bridges, temples, pagodas and ornamental planting that create the beautiful landscape within which are the ten, celebrated, poetic views. The physical fabric of the property and its significant features are mostly in excellent condition. The Lake itself and surrounding landscapes, along with scenic places, historic monuments and sites are well maintained. No signs of neglect are detected and the deterioration processes seem mostly controlled. Thus none of the key attributes that relate to Outstanding Universal Value are under threat. The visual integrity of the property is well maintained towards the three hill sides, which seem to have been almost similar for the past 1,000 years. The views to the east are vulnerable to further expansion of Hangzhou city. However, considering the drastic urban changes of Hangzhou city over the past 10 years, from a regional town to a metropolis of eight million people, the property's visual integrity toward the city side is well managed. The skylines of the buildings are under the strong municipal regulations to maintain current heights and mass limits and to stop expansion that might impact on the skyline of West Lake.

Authenticity

The West Lake still clearly conveys the idea of a 'lake with cultural meaning', as all the key components that were created by the time of the Song dynasty can be read clearly in the landscape, and the beauty of the ten views can still largely be readily appreciated. There is an abundance of documents recording the development of the lake (although more for some elements than others) and these are well archived in official institutions. These records and documents are a basis for the authenticity of the property. From 'cloud capping hills' and lakeshore settings, down to the single willow trees, and the West Lake itself, all reflect elements of the landscapes as described in the old texts since the 10th century. The views to the east over Hangzhou have changed dramatically over the past fifty years and the lake is no longer closed on its fourth side by a low lying town that relates in scale to the overall landscape and is in itself beautiful (as Marco Polo described). Hangzhou with its tall buildings dominates the view to the east and tends to dwarf the lake buildings. However, the skyline of hills to the north and south as viewed when looking east is still intact and the Baochu Pagoda can be seen against the sky. It will be absolutely crucial that this skyline is maintained and that there is no encroachment of the city behind those hills that are visible from the lake.

Protection and Management requirements

The nominated property is protected at both national and provincial level by laws and regulations. These include the Law of the People's Republic of China on the Protection of Cultural Relics (national), Regulations on Scenic

Areas (national), Regulations on the Conservation and Management of World Cultural Heritage Sites in China (national), and Regulations on the Conservation and Management of West Lake Cultural Landscape of Hangzhou (local). The most relevant national protection is afforded by the national West Lake Scenic area that was promulgated in 1982. The Hangzhou Municipal People's Government Specific Control Plan for the Buffer Zone of West Lake Cultural Landscape, 2010, puts in place constraints on the overall development of the city in relation to its potential impact on the West Lake landscape. It is crucial that these constraints ensure that there is no encroachment of the city behind the hills that are visible from the lake and that all relevant development is subject to Heritage Impact Assessments that consider impact on the attributes of Outstanding Universal Value. Management is the overall responsibility of the Hangzhou Administration of Gardens and Cultural Heritage with advice from the provincial bureau of cultural heritage in Zhejiang and the national State Administration of Cultural Heritage (SACH). The authority operates both as an 'internal institution' and as a 'grassroots unit', with various local organisations and with communities and villages. There is however a need to strengthen the community management system and to coordinate the interests of stakeholders. The Conservation and Management Plan of West Lake Cultural Landscape of Hangzhou (2008-2020) provides a basis for the systematic conservation and management of the property and for implementing protection measures in compliance with national standards for the protection of World Heritage sites. There is also a Master Plan for the West Lake Scenic Area, 2002-2020. In order to contain incremental change that might impact on the harmony of the landscape and its key views, an inventory needs to be established of key visual attributes as a basis for monitoring.

The Municipal authority has drafted nine special plans for scenic areas within West Lake. Other special plans have been prepared such as the Master Plan for Transportation in West Lake Scenic Area of Hangzhou, the Plan for the Integration of the South-Route Scenic Places of West Lake of Hangzhou, the Detailed Plan for the Control over the Westward Expansion of West Lake, the Plan for the Protection of the Beishan Historic and Cultural Street, the Detailed Plan for the Control over the Lingyin Scenic Area, and the Plan for the Construction of the New Socialist Countryside in the Hangzhou West Lake Scenic Area.

The West Lake is both robust and vulnerable: it can absorb comparatively large number of visitors but beyond a certain point, the needs of the visitors and their impact on the landscape could impact adversely on the authenticity of the property, on the quality of their visits, and on the ability of the landscape to inspire. Visitor management needs to be given a high priority in relation to the overall management of the property.

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	Lake	x			
3.2.2	Mountains and forests	x			
3.2.3	Landscape skylines	x			
3.2.4	Artificial structures such as embankments, islands, bridges, gardens, pagodas and temples	x			
3.2.5	Ornamental plants	x			
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

no comments

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

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

4.1.2 - Commercial development

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

4.1.3 - Industrial areas

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

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	1 Current	2 Potential	3 Inside	4 Outside	5 Decreasing	6 Stable	7 Increasing
8 Positive x	x		x	x		--	
9 Negative							

4.1.5 - Interpretative and visitation facilities

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

Positive: sound tourism services within the property help to improve the visitor experience, facilitate the transmission of heritage value and contribute to sustainable development, without any negative impact on heritage value. The OUV, authenticity and integrity of the property is in good state of conservation. Negative: urban development and high-rise buildings within the buffer zone may affect the property.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

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

4.2.2 - Underground transport infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.2.3 - Air transport infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.2.4 - Marine transport infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.2.5 - Effects arising from use of transportation infrastructure

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

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

Positive: transport facilities within the property facilitate the travel and tourism needs of the public and boost the local economy. Negative: the facilities bear too much burden of urban transportation and traffic in rush hour may affect some areas. Traffic will be monitored and managed with traffic restrictions and diversions, and public transport encouraged.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

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

4.3.2 - Renewable energy facilities

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.3.3 - Non-renewable energy facilities

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.3.4 - Localised utilities

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

4.3.5 - Major linear utilities

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

Positive: the water diversion and distribution facilities of the Qiantang River, the protection of the upstream streams and the renovation of the sewage network helped restoration of the water system in the property, which has better water quality of national surface water category III standard and an average depth of not less than 2.5 metres.

4.4. Pollution

4.4.1 - Pollution of marine waters

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

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

4.4.3 - Surface water pollution

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

4.4.4 - Air pollution

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

4.4.5 - Solid waste

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

4.4.6 - Input of excess energy

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

Negative: air pollution, domestic sewage and waste can cause slight damage to the property. The property area has taken environmental measures, and promoted use of renewables, waste separation, sewage interception and drainage, which has improved the environment and people's living.

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

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

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

4.5.3 - Land conversion

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

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

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

4.5.6 - Commercial wild plant collection

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

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

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

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

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

Positive: no traditional fish farming in the property, but the fish species are raised to protect ecology and purify water body. Longjing tea is an important traditional crop in the property, and the tea gardens are an integral part of the heritage landscape and an important source of income for tea farmers. Longjing tea base has been set up, with protection plans in place, to secure the income of tea farmers.

4.6. Physical resource extraction

4.6.1 - Mining

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

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

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

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

No comment

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

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

4.7.2 - Relative humidity

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

4.7.3 - Temperature

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

4.7.4 - Radiation/Light

Relevant				x Not relevant			
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4.7.5 - Dust

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

4.7.6 - Water (rain/water table)

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

4.7.7 - Pests

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

4.7.8 - Micro-organisms

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

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

Negative: wind, humidity, water, temperature changes, dust and microorganisms may have slight impacts on the property's value attributes, such as erosion and aging of embankments, islands, bridges, gardens, pagodas and temples. The property has taken countermeasures to eliminate or delay these effects, and the above value attributes are well preserved.

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

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

4.8.2 - Society's valuing of heritage

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

4.8.3 - Indigenous hunting, gathering and collecting

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

Relevant				x Not relevant			
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4.8.5 - Identity, social cohesion, changes in local population and community

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

4.8.6 - Impacts of tourism/Visitation/Recreation

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

Positive: some religious sites and culture of tea and meditation culture are an integral part of the historical tradition of the property, and the related activities carry the beliefs of the people. Tea farmers and merchants undertake businesses based on Longjing tea, which is good for the interpretation and transmission of heritage values and the strengthening of community cohesion.

4.9. Other human activities

4.9.1 - Illegal activities

Relevant ☐ Not relevant ☒

4.9.2 - Deliberate destruction of heritage

☒ Relevant ☐ Not relevant

		Impact		Origin		Trend of impact		
Impact		Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
<input type="checkbox"/> Positive								
<input checked="" type="checkbox"/> Negative	x	x			x	\		

4.9.3 - Military training

Relevant ☐ Not relevant ☒

4.9.4 - War

Relevant ☐ Not relevant ☒

4.9.5 - Terrorism

Relevant ☐ Not relevant ☒

4.9.6 - Civil unrest

Relevant ☐ Not relevant ☒

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

Negative: occasional incidents of graffiti in the property, was found, with minor reversible and controllable impacts involving the property. The administration of the property has taken timely measures to eliminate the negative impacts.

4.10. Climate change and severe weather events

4.10.1 - Storms

☒ Relevant ☐ Not relevant

		Impact		Origin		Trend of impact		
Impact		Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
<input type="checkbox"/> Positive								
<input checked="" type="checkbox"/> Negative	x	x		x	x		→	

4.10.2 - Flooding

Relevant ☐ Not relevant ☒

4.10.3 - Drought

Relevant ☐ Not relevant ☒

4.10.4 - Desertification

Relevant ☐ Not relevant ☒

4.10.5 - Changes to oceanic waters

Relevant ☐ Not relevant ☒

4.10.6 - Temperature change

Relevant ☐ Not relevant ☒

4.10.7 - Other climate change impacts

Relevant ☐ Not relevant ☒

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

Negative: typhoons, heavy rains and other disaster weather may create potential hazards such as rising water levels of the lake, fallen plants and landslides. The property has set up a comprehensive disaster prevention and mitigation system, and so far no disaster weather has caused serious damage to the property, and the authenticity, integrity and OUV of the property are well preserved.

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Relevant ☐ Not relevant ☒

4.11.2 - Earthquake

Relevant ☐ Not relevant ☒

4.11.3 - Tsunami/Tidal wave

Relevant ☐ Not relevant ☒

4.11.4 - Avalanche/Landslide

Relevant ☐ Not relevant ☒

4.11.5 - Erosion and siltation/Deposition

Relevant ☐ Not relevant ☒

4.11.6 - Fire (wildfire)

☒ Relevant ☐ Not relevant

		Impact		Origin		Trend of impact		
Impact		Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
<input type="checkbox"/> Positive								
<input checked="" type="checkbox"/> Negative	x		x		x		→	

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

Negative: fire is one of the potential risks that can pose a potential threat to natural mountains and forests, buildings and community residents. The property has set up a full-coverage, rapid-response risk assessment and early warning and response mechanism, and has been free of forest fires for 33 consecutive years, and no fires have occurred in any of the cultural heritage buildings and other value attributes.

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	x	x	x	x	√		

4.12.2 - Invasive/Alien terrestrial species

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

4.12.3 - Invasive/Alien freshwater species

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

4.12.4 - Invasive/Alien marine species

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

4.12.5 - Hyper-abundant species

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

4.12.6 - Modified genetic material

Relevant	x 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

Negative: the invasion of exotic species such as golden-rod and the ampullaria gigas, which pose a threat to the ecological balance of the property and to native species. Strict measures have been taken at the property to effectively prevent the invasion of exotic and pest species.

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

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

4.13.2 - Legal framework

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

4.13.3 - Governance

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

4.13.4 - Management activities

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

4.13.5 - Financial resources

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

4.13.6 - Human resources

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

4.13.7 - Low impact research/monitoring activities

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

4.13.8 - High impact research/monitoring activities

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

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

Hangzhou focuses on protection and management of the property, by improving the management system, perfecting the regulatory and planning system, setting up a full-time protection and management agency, establishing an early warning and monitoring system, monitoring the property in all aspects, and providing protection in terms of personnel and funding to ensure that the property is sustainable and that the heritage values, authenticity and integrity are not violated.

4.14. Other factor(s)

4.14.1 - Other factor(s)

No comment

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact	Origin	Trend
4.1 Buildings and Development			
4.1.1 Housing			
4.1.2 Commercial development			
4.1.4 Major visitor accommodation and associated infrastructure			
4.1.5 Interpretative and visitation facilities			
4.2 Transportation Infrastructure			
4.2.1 Ground transport infrastructure			
4.2.5 Effects arising from use of transportation infrastructure			
4.3 Services Infrastructures			
4.3.1 Water infrastructure			
4.3.4 Localised utilities			
4.3.5 Major linear utilities			
4.4 Pollution			
4.4.2 Ground water pollution			
4.4.3 Surface water pollution			
4.4.4 Air pollution			
4.4.5 Solid waste			
4.5 Biological resource use/modification			
4.5.2 Aquaculture			
4.5.5 Crop production			
4.7 Local conditions affecting physical fabric			
4.7.1 Wind			
4.7.2 Relative humidity			
4.7.3 Temperature			
4.7.5 Dust			
4.7.6 Water (rain/water table)			
4.7.7 Pests			
4.7.8 Micro-organisms			
4.8 Social/Cultural uses of heritage			
4.8.1 Ritual/Spiritual/Religious and associative uses			
4.8.2 Society's valuing of heritage			
4.8.5 Identity, social cohesion, changes in local population and community			
4.8.6 Impacts of tourism/Visitation/Recreation			
4.9 Other human activities			
4.9.2 Deliberate destruction of heritage			
4.10 Climate change and severe weather events			
4.10.1 Storms			

4.16. Assessment of current and potential positive and negative factors



4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development


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

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	

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












































































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

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

4.2 Transportation Infrastructure






Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			

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










4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water infrastructure	 <input type="checkbox"/> <input type="checkbox"/> <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			
x Restricted	<input type="checkbox"/>		
Localised	<input type="checkbox"/>		
Extensive	<input type="checkbox"/>		
Widespread	<input type="checkbox"/>		
Temporal scale - Occurrence of the impact			
x One off or rare	<input type="checkbox"/>		
Intermittent or sporadic	<input type="checkbox"/>		

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

Name	Impact	Origin	Trend
4.3.4 Localised utilities	  	 	
	  	 	

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

Name	Impact	Origin	Trend
4.3.5 Major linear utilities	  	 	
	  	 	

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

	Static
x	Increasing

4.4 Pollution

Name	Impact	Origin	Trend
4.4.2 Ground water pollution	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>
<div>Spatial scale - Area affected by the factor</div> <div> <div>x</div> <div>Restricted</div> </div> <div> <div></div> <div>Localised</div> </div> <div> <div></div> <div>Extensive</div> </div> <div> <div></div> <div>Widespread</div> </div>			

Temporal scale - Occurence of the impact

x

One off or rare

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

x

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

x

High capacity

Medium capacity

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

x

Decreasing

Static

Increasing

Name	Impact	Origin	Trend
4.4.3 Surface water pollution	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>
<div>Spatial scale - Area affected by the factor</div> <div> <div>x</div> <div>Restricted</div> </div> <div> <div></div> <div>Localised</div> </div> <div> <div></div> <div>Extensive</div> </div> <div> <div></div> <div>Widespread</div> </div>			

Temporal scale - Occurence of the impact

x

One off or rare

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

x

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

x

High capacity

Medium capacity

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

x

Decreasing

Static

Increasing

Name	Impact	Origin	Trend
4.4.4 Air pollution	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>
<div>Spatial scale - Area affected by the factor</div> <div> <div>x</div> <div>Restricted</div> </div> <div> <div></div> <div>Localised</div> </div> <div> <div></div> <div>Extensive</div> </div> <div> <div></div> <div>Widespread</div> </div>			

Temporal scale - Occurence of the impact

x

One off or rare

Intermittent or sporadic

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

Name	Impact	Origin	Trend
4.4.5 Solid waste	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>

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

4.5 Biological resource use/modification

Name	Impact	Origin	Trend
4.5.2 Aquaculture	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>

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

	Decreasing
x	Static
	Increasing

Name	Impact	Origin	Trend
4.5.5 Crop production	G H H G	G	→

Spatial scale - Area affected by the factor

x	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact

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

Impact - Impact on the attributes

x	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
x	Static
	Increasing

4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.1 Wind	H H H G	G	→

Spatial scale - Area affected by the factor

x	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact

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

Impact - Impact on the attributes

x	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
x	Static
	Increasing

Name	Impact	Origin	Trend
4.7.2 Relative humidity	G H H G G	G	→

Spatial scale - Area affected by the factor

x	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact

<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" 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
4.7.3 Temperature	<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 type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input checked="" type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going

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

Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.7.5 Dust	<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 type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" 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 - Developement over the last 6 years

x

Decreasing

Static

Increasing

Name

4.7.6 Water (rain/water table)

Impact

Origin

Trend

Spatial scale - Area affected by the factor

x

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

One off or rare

Intermittent or sporadic

Frequent

x

On-going

Impact - Impact on the attributes

x

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

x

High capacity

Medium capacity

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

Decreasing

x

Static

Increasing

Name

4.7.7 Pests

Impact

Origin

Trend

Spatial scale - Area affected by the factor

x

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

x

One off or rare

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

x

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

x

High capacity

Medium capacity

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

x

Decreasing

Static

Increasing

Name

4.7.8 Micro-organisms

Impact

Origin

Trend

Spatial scale - Area affected by the factor

x

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

One off or rare

Intermittent or sporadic

West Lake Cultural Landscape of Hangzhou

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

4.8 Social/Cultural uses of heritage

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

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<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 checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	

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

Name	Impact	Origin	Trend
4.8.5 Identity, social cohesion, changes in local population and community	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<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 - Occurence of the impact	
<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

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

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<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 - Occurence of the impact	
<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

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

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

4.9 Other human activities




Name	Impact	Origin	Trend
4.9.2 Deliberate destruction of heritage	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<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 - Occurence of the impact	
------------------------------------------	--

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

4.10 Climate change and severe weather events

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

4.11 Sudden ecological or geological events

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

4.12 Invasive/alien species or hyper-abundant species

Name	Impact	Origin	Trend
4.12.1 Translocated species	<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 checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

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

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input checked="" type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.12.2 Invasive/Allen terrestrial species	<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 checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

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

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input checked="" type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.12.3 Invasive/Allen freshwater species	<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

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

4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>
	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>

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

Name	Impact	Origin	Trend
4.13.2 Legal framework	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>
	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>

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

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

Name	Impact	Origin	Trend
4.13.3 Governance	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Name	Impact	Origin	Trend
4.13.4 Management activities	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Name	Impact	Origin	Trend
4.13.5 Financial resources	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <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 type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" 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

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

No comment

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	Lake	x			
4.18.1.2	Mountains and forests	x			
4.18.1.3	Landscape skylines	x			
4.18.1.4	Artificial structures such as embankments, islands, bridges, gardens, pagodas and temples	x			
4.18.1.5	Ornamental plants	x			

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

By way of regulations and planning, the Hangzhou Municipal Government has ensured the authenticity and integrity of the property and preserved its OUV. The property has capped the total buildings, maintained and expanded non-construction land, and all construction shall undergo heritage impact assessments and expert validation; construction within the buffer zone shall also have heritage impact assessments by law to ensure harmony with the cultural landscape.

5.2. Protective Measures

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

Comment

The Constitution of the PRC, the Criminal Law of the PRC, the Law of the PRC on the Protection of Cultural Relics, the Regulations on the Implementation of the Law of the PRC on the Protection of Cultural Relics, the Regulations on Scenic and Historic Areas, the Regulations on the Management of the West Lake Scenic and Historic Area, and the Regulations on the Protection and Management of the Cultural Landscape of West Lake in Hangzhou.

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

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

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

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

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

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

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

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

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

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

As per the requirements of World Heritage conservation, the Hangzhou Municipal Government has issued the Regulations on the Protection and Management of the Cultural Landscape of West Lake and the Management Plan for the Protection and Management of the Cultural Landscape of West Lake, and has implemented a landscape assessment system, ensuring that the landscape skylines, mountains and forests, ornamental plants, lake bodies and buildings all are protected under these laws and regulations.

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

The property has multiple status such as World Heritage Site, national priority protected site, and National Scenic Spot, and is protected by laws and regulations such as the Convention of World Heritage, the Law on Cultural Relics Protection and the Regulations on Scenic Spots, and the Regulations on the Protection and Management of the Cultural Landscape of West Lake and relevant plans are in place, well preserving the property's OUV, authenticity and integrity.

5.3. Management System/Management Plan

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

Public management system joint national/ local

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.
Traditional ways of management recognised by local communities and other specific groups
Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property
Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups
A framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property
A code of practice developed by local communities or other groups
A code of practice developed by industry
An integrated management plan combining World Heritage and any other designations
A management plan
An annual work plan or business plan
A disaster, climate or conflict risk management plan
A visitor/visitation management plan
An environmental management framework
An assessment of biological and cultural diversity and ecosystem services provided by the property

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

Based on the elements of heritage management, the property has developed a multi-level legal system and planning system that links provincial, municipal and regional departments and institutions and establishes a decision-making process for planning, implementation and monitoring, bringing together stakeholders for efficient heritage management, ensuring the authenticity and integrity of the property and achieving sustainability for the stakeholders involved.

5.3.4 - Management Documents

Comment

Revision of Protection Plans for the Ten Views of West Lake (2016-2040), Revision of Protection Plans for the Cultural Landscape of Hangzhou West Lake - Representative Cultural and Historical Sites (2016-2040), Revision of the Cultural Landscape Protection and Management Plan of West Lake (2021–2035), and Revision of the Master Plan of West Lake Scenic and Historic Area (2021–2035).

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

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

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

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

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

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

The property attaches importance to climate impact and has adopted measures to prevent and control air pollution in the property, including the implementation of the National VI emission standard for motor vehicles and the vehicle restriction in the West Lake scenic area on holidays, which

effectively divert motor vehicles entering the scenic area and promote new energy vehicles to reduce emissions and promote air quality.

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

The property has set up coordinated emergency mechanisms based on systems, facilities and technology; developed emergency plans for firefighting, flood control and heritage safety; established an emergency rescue system pooling efforts of fire rescue, water rescue and flood control and relief teams; enhanced cooperation with civil rescue teams; and established emergency management system at all levels of government. The property has been free of forest fires for 33 consecutive years.

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

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

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

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

5.3.13 - Is the management system being implemented?

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

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

An annual work/action plan **exists and all of its activities are being implemented and monitored**

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

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

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

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities					×
5.3.16.2	Local/Municipal authorities					×
5.3.16.3	Indigenous peoples	×				
5.3.16.4	Landowners				×	
5.3.16.5	Women					×
5.3.16.6	Youth/Children					×
5.3.16.7	Researchers					×
5.3.16.8	Local Visitors/Tourists					×
5.3.16.9	National/International tourists				×	
5.3.16.10	Tourism Industry					×
5.3.16.11	Local businesses and industries					×
5.3.16.12	NGOs	×				
5.3.16.13	Other specific groups	×				
	If you selected 'Other specific groups', please specify					

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

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

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

The property is closely related to the urban area, community, residents and visitors, and is associated with the interests of many parties, involving cultural relics, religion, tourism, catering, services, farm dwellings and neighborhoods. Coordinating interests and pursuing development is important for the property management. The ecological environment and cultural heritage provide development opportunities for stakeholders.

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

Administrative systems at national, provincial and municipal levels are in place. The Administration Committee of West Lake is responsible for the protection and management of the property. Comprehensive protection and management is achieved through sound laws and regulations, a gender-balanced professional team, a sound management mechanism and adequate financial support. The heritage values are promoted in to increase public awareness and participation in conservation.

6. Financial and Human Resources

6.1. Funding

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

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	0 %	0 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	0 %
6.1.1.8	Governmental (local/municipal)	100 %	95 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	5 %
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
no comments

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
Funds for the property protection are mainly from the central government and local financial grants at all levels, with the latter two accounting for over 95% of the total. Local government has set up two funds for the comprehensive protection of West Lake and the historical and cultural city, with the former dedicated to the property and 60% of the latter also used for the protection of cultural relics, museum operation and the transmission of values in the property.

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	47.2 %	59.3 %
6.1.6.2	Women	52.8 %	40.7 %
		Total 100 %	Total 100 %

6.1.7 - Are available human resources adequate to manage the World Heritage property?
Human resources are adequate for management needs

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

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

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

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

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

The property is guided by the World Heritage Capacity Building Strategy to enhance protection and management capacity with stakeholders such as the government, management bodies and communities. The government departments concerned use joint meetings to enhance their decision-making capacity, and management bodies improve their protection and management capacity professionals and training programs. The community's awareness of heritage conservation will be raised through education.

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
The Administration Committee of the West Lake has set up a working team consisting of professionals in heritage protection and management, museum management, gardening, plant protection, environmental protection, planning and construction, and tourism services, and regular training programs are held. Through publicity and education and the economic development in the community, the public's awareness of conservation is raised and their support is obtained.

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

7.3 - Are results from research programmes publicly available and disseminated?
Research results are shared with local communities and some national agencies

7.4 - Comments, conclusions and/or recommendations related to scientific studies and research projects
Based on heritage value research, the property has carried out special studies on traffic flows, visitor capacity, building control and the spatial pattern of the city and lake, and set up an early warning system for heritage monitoring and protection. At the same time, an effective scientific research and protection system and monitoring data accumulation has been built for heritage value elements such as the ecological environment, old and valuable trees and cultural relics.

8. Education, Information and Awareness Building

8.1 - Please rate the awareness and understanding of the existence and justification for inscription of the World Heritage property amongst the following groups

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

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

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

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

Local communities
Local/municipal authorities
Landowners
Women
Youth/children
Researchers
Local Visitors
National/International tourists
Tourism industry
Local businesses and industries

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

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

The property has carried out much work on heritage presentation and promotion in terms of policy, planning and measures based on its heritage value attributes. The main approaches include on-site heritage displays, thematic museum displays, internet promotion, media publicity, academic exchanges, and heritage publicity and education activities for the public. The property is also equipped with relatively good tourism facilities to provide convenient services for visitors.

9. Visitor Management

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

28 070 000 / 28 140 000 / 28 510 000 / 28 330 000 / 27 260 000 /

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

Entry tickets and registries
Accommodation establishments
Transportation services
Tourism industry

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

Overnight stay

9.4 - Please provide the source of information

Statistical Gazette on National Economic and Social Development of Hangzhou 2019

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

43.56 / 24.46 / 21.55 / 8.71 / 1.22 / 0.31 /

9.6 - Please provide the source of information

Statistical Gazette on National Economic and Social Development of Hangzhou 2019

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

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

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

The current World Heritage management plans for the property and detailed plans at various levels all provide guidelines for the management of visitors and tourism activities in the property, following the principle that "tourism development is subordinate to heritage conservation", providing reasonable estimates and effective control of visitors, changing tourism patterns and structures, and achieving the integration of heritage value transmission and tourism development.

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

As per UNESCO requirements for the regulation of visitor capacity at the heritage sites, the property uses a real-time visitor monitoring system to collect visitor data from key areas, approve the maximum daily visitor capacity and the maximum instantaneous capacity, and develop a visitor monitoring and warning process to ensure the safety of cultural heritage and the transmission of heritage values while safeguarding the visitor environment.

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

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

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

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

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

In **many locations** and **easily visible** to visitors

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

Fees are collected and make a **substantial contribution** to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Based on environmental and heritage conservation requirements and the framework of a sustainable development strategy, long-term planning is formulated to strengthen the guidance and diversion of tourists, improve tourism capacity and depth, and enhance tourism attractiveness; the free access strategy will be continued to promote the overflow of heritage values, the radiation of heritage values to the city, and the formation of a traditional cultural system with regional characteristics.

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

Yes

If 'Yes', please specify

The sustainable development of tourism in the property has created jobs for the local community, boosted the income of local residents, and led to the development of the local tea industry, B&B catering and cultural and creative economy. The development of tourism has also been coordinated with the protection and management of the property, promoting the cultural values and charms of the property, and helping to deepen the public's understanding and enjoyment of the West Lake.

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

The property is generally free to visit, except for individual heritage sites. The Hangzhou Municipal Government supports the sustainable development of tourism and the tea industry in the property and the transition from sightseeing to leisure tourism. Meanwhile, the its ample financial resources can coordinate part of the tourism revenue and guarantee the protection and management of the heritage through measures such as the institutional grants.

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				x
10.3.2	Effectiveness of the management system				x
10.3.3	Character of governance				x
10.3.4	Appropriate synergy with other conservation designations				x
10.3.5	Contribution to sustainable development				x
10.3.6	Capacity development				x

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

Within the scope of the above six indicators, the property monitor indicators such as OUV, authenticity and integrity, value attributes, status of management bodies, legal planning systems, conservation measures, natural threats, ecology and environment, and attitudes of relevant stakeholders.

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

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

Hangzhou strictly followed the resolutions of the World Heritage Committee: lowering the East Tower of the Shangri-La Hotel, replanting large trees, optimizing the ridge profile of mountains in the property, undertaking visitor management and monitoring, and conducting impact assessments of heritage-related development to ensure that the landscape skylines are not eroded, thus ensuring that the property's OUV, authenticity and integrity not compromised.

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

The property's monitoring system consists of protection and management and monitoring bodies at all levels, covering various regulations and plans. The system operates subject to the requirements of heritage treaties, documents and WHC resolutions, and sets up effective monitoring indicators concerning stakeholders, fulfilling heritage resolutions and commitments, guaranteeing that the property's authenticity and integrity is not damaged and OUV well preserved.

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.2	Protective Measures
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain
5.3	Management System/Management Plan
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property
5.3.7	Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property
5.3.9	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
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
6.1.10	Some 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
9	Visitor Management
9.9	Visitor use of the World Heritage property is managed but improvements could be made
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made
10	Monitoring
10.2	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 2 more issues.	
■ Please save this question to reflect changes	

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.2	Transportation Infrastructure										
4.2.5	Effects arising from use of transportation infrastructure			2	0	1	8	5	1	2	4
4.7	Local conditions affecting physical fabric										
4.7.1	Wind	May cause weathering to the surface of the heritage material	Real-time monitoring of wind speed and direction changes in the property and timely protective measures based on monitoring and assessment results		A monitoring system for the meteorological factors of the property has been set up to provide long-term monitoring of wind speed and direction		From 2009 to date	Hangzhou Meteorological Bureau		No comment	
4.7.2	Relative humidity	Changes in relative humidity may cause deformation and cracking of the heritage body material	By monitoring and assessing changes in relative humidity in the property, heritage conservation measures are adjusted in a timely manner		A monitoring system for the meteorological factors of the property has been set up to provide long-term monitoring of temperature and humidity		From 2009 to date	Hangzhou Meteorological Bureau		No comment	
4.7.3	Temperature	Temperature changes may cause aging and deterioration of the heritage body material	Real-time monitoring of temperature change in the property, timely assessment of the impact of temperature change and the adoption of appropriate conservation measures		A monitoring system for the meteorological factors of the property has been set up to provide long-term monitoring of temperature and pressure		From 2009 to date	Hangzhou Meteorological Bureau		No comment	
4.7.5	Dust	Dust may cause contamination and minor slow damage to the heritage	Dust contamination in the property is regularly observed and measures are taken to eliminate the effects if necessary		Regular inspections through the monitoring and management system		From 2011 to date	Administration Committee of the West Lake		no comments	

4.7.6	Water (rain/water table)	Water (rainwater/subsurface) may cause plant or microbial growth on the surface of the heritage body	Real-time monitoring of changes in rainfall and soil moisture in the property and timely adjustment of heritage conservation measures	A monitoring system for the meteorological factors of the property has been set up to provide long-term monitoring of rainfalls and humidity	From 2009 to date	Hangzhou Meteorological Bureau	No comment
4.7.8	Micro-organisms	The pigments secreted by the microorganisms may cause discoloration of the surface of the heritage body and the organic acids secreted may cause corrosion of the surface of the heritage body	In 2015, research on microbial diseases on the surface of the heritage body was started in collaboration with a laboratory in Zhejiang University to regularly clean the surface of the heritage to remove microorganisms	Long-term monitoring of microorganisms on the surface of the heritage body	From 2015 to date	West Lake Monitoring and Management Center & Laboratory in Zhejiang University	No comment
4.9	Other human activities						
4.9.2		Deliberate destruction of heritage					
4.10	Climate change and severe weather events						
4.10.1	Storms						No comment
4.11	Sudden ecological or geological events						
4.11.6	Fire (wildfire)						

Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3	Management System/Management Plan				
5.3.7	Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	Actions Continued attention is paid to international climate policies and agreements, which will be followed and applied in the development of heritage conservation management legislation and in the management of the property	Timeframe From 2011 to date	Lead agency (and others involved) Administration Committee of the West Lake	More info / comment No comment
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	Subject to the UNISDR requirements, a government-led and socially participatory disaster risk management mechanism has been set up and improved, and various policies and measures conducive to disaster risk reduction have been implemented	From 2011 to date	Administration Committee of the West Lake	No comment
5.3.11	There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved	Annual meetings are held with participants from the national, provincial, municipal and property levels, to evaluate coordination among administrative departments at different levels and make adaptations accordingly.	From 2011 to date	Administration Committee of the West Lake	No comment
6.1	Funding				
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	The management bodies of the property include the costs required for the property's management in annual financial plans and implement them accordingly, while seeking the support of higher authorities for heritage conservation funds	From 2011 to date	Administration Committee of the West Lake	No comment
6.1.10	Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Under the premise of strict conservation, to achieve sustainable development by developing the local economy and gaining the continued support of residents for heritage conservation	From 2011 to date	Administration Committee of the West Lake	No comment
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	From time to time each year, experts and scholars are invited to enhance professional training for staff of the property management, and the scope and frequency of training will be increased in the future	From 2011 to date	Administration Committee of the West Lake	No comment
9	Visitor Management				
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	Dedicated museum has been set up in the property to showcase its OUV through exhibitions, and in the future more online exhibitions will be used to enhance the OUV presentation	From 2011 to date	Administration Committee of the West Lake	No comment
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	Ongoing monitoring of individual heritage sites and professional assessments of the results provide key indicators of state of conservation, which will be used to better maintain the property's OUV	From 2011 to date	Administration Committee of the West Lake	No comment

Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

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

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

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

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

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

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

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

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

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

Through effective monitoring and management measures, the property's monitoring system monitors and manages factors affecting heritage OUV criteria and value attributes, of which the lake, mountains and forests, landscape skylines, embankments, islands, bridges, gardens, pagodas, temples and ornamental plants are in a good state of conservation, ensuring that the property's OUV, authenticity and integrity are not damaged.

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

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

The property's status as a World Heritage Site enhances the visibility and influence of West Lake and Hangzhou in the world, strengthens public awareness of the property's value, enhances community cultural cohesion, enhances the protection and use of the property by governments at all levels, and promotes the harmonious development of the economy, culture and ecology of the region where the property locates.

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

Water is one of the important attributes of the property's heritage value. Through the "West Lake Ecological Restoration and Water Environment Improvement" project, the aim of which is to make the West Lake a self-beneficial and ecologically healthy lake, it will fundamentally improve the water quality of the West Lake and protect and manage the property well. The project includes the optimization of the aquatic plant community in the 700, 000 m² lake area in the western part of the lake, the efficient nitrogen reduction by water diversion from the Qiantang River, the construction of a sewage purification treatment and artificial wetland system in the upper stream of the West Lake, and the ecological restoration of Beili Lake. The project has realized efficient nitrogen reduction on a large scale, and has significantly accelerated the rate of water renewal in Beili Lake and improved the water exchange capacity of the lake. The project has set up a West Lake workstation led by the Chinese Academy of Sciences, forming a management and operation model that closely integrates scientific research and application. The project is an important initiative in the management and monitoring of the property and is the first successful case of water ecology restoration in urban lake in south China, forming a healthy ecosystem, thus achieving the goal of purifying water quality, improving the environment and optimizing the landscape, as well as promoting the sustainable development of tourism.

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

Sustainable Development
State of Conservation
Management
Capacity Building

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

The World Heritage Convention
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	Good
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Good

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

The data in this report are from multiple sources, all of which are true and valid, and objectively reflect the authenticity, integrity and the state of protection and management of the property in last few years

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
Local communities
External experts

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

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

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

No

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

-

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

	Additional resources	No	Yes
15.3.5.1	Human resources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15.3.5.2	Financial resources for organizing consultation meetings/ training	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.4.2.2	Clarity of questions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

No comment

15.5. Training and Guidance

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

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Good
UNESCO National Commission	Good
ICOMOS International	Good
IUCN International	Good
ICCROM International/regional	Good
ICOMOS national/regional	Good
IUCN national/regional	Not applicable

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

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

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

No

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

No comment

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

• Map(s)

Reason for update: As requested by the World Heritage Centre, the State Party submitted updated maps of the property in 2021.

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

No comment

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