

Archaeological Ruins of Liangzhu City

1. World Heritage Property Data

1.1 - Name of World Heritage property

Archaeological Ruins of Liangzhu City

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Area of Yaoshan Site	30.426 / 120.012	66.56	9980.29	10046.85	
Area of High-dam at the Mouth of the Valley	30.42 / 119.904	136.41	?	136.41	
Area of Low-dam on the Plain-Causeway in Front of the Mountains	30.404 / 119.95	349.24	?	349.24	
Area of City Site	30.396 / 119.991	881.45	?	881.45	
Total (ha)		1433.66	9980.29	11413.95	

1.4 - Map(s)

Title	Date	Link to source
Archaeological Ruins of Liangzhu City - Map of the inscribed property	2019	

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

Comment

Official website: <https://www.lzsite.cn/> Official Weibo account: https://weibo.com/lzsite1936?is_all=1

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

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

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

2.2 - Please provide comments on 2.1 if necessary

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?

No

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

No

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

No

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

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

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

Currently no other designations/programmes

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

No

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

Not associated with the Convention for the Safeguarding of the Intangible Cultural Heritage.

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

No

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

No documentary heritage associated with the Memory of the World Programme.

3. Statement of Outstanding Universal Value

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

Statement of Outstanding Universal Value

Brief synthesis

The Archaeological Ruins of Liangzhu City was the centre of power and belief of an early regional state in the Circum-Taihu Lake Area. It is located on a plain criss-crossed by river networks in the eastern foothills of the Tianmu Mountains in the Yangtze River Basin on the southeast coast of China.

The property is composed of four areas: Area of Yaoshan Site; Area of High-dam at the Mouth of the Valley; Area of Low-dam on the Plain – Causeway in Front of the Mountains; and Area of City Site.

The Archaeological Ruins of Liangzhu City reveals an early regional state with rice-cultivating agriculture as its economic base, and social differentiation and a unified belief system, which existed in the Late Neolithic period in China. With a series of sites, including the City Site built during ca. 3300-2300 BCE, the Peripheral Water Conservancy System with complex functions and socially-graded cemeteries (including an altar), and the

excavated objects represented by series of jade artefacts symbolizing the belief system, as well as its early age, the property represents the remarkable contributions made by the Yangtze River Basin to the origins of Chinese civilization. In addition, the pattern and functional zoning of the capital, together with the characteristics of the settlements of the Liangzhu culture and of the Outer City with the terraces, support strongly the value of the property.

Criterion (iii): The Archaeological Ruins of Liangzhu City, as the centre of power and belief of Liangzhu culture, is an outstanding testimony of an early regional state with rice-cultivating agriculture as its economic base, and social differentiation and a unified belief system, which existed in the lower reaches of the Yangtze River in the Late Neolithic period of China. It provides unparalleled evidence for concepts of cultural identity, social and political organization, and the development of society and culture in the late Neolithic and early Bronze Age in China and the region.

Criterion (iv): The Archaeological Ruins of Liangzhu illustrates the transition from small-scale Neolithic societies to a large integrated political unit with hierarchy, rituals and crafts. It includes outstanding examples of early urbanization expressed in earthen monuments, city and landscape planning, social hierarchy expressed in burial differentiations in cemeteries within the property, socio-cultural strategies for organization of space, and materialization of power. It represents the great achievement of prehistoric rice-cultivating civilization of China over 5000 years ago, and as an outstanding example of early urban civilization.

Integrity

The four component parts of the Archaeological Ruins of Liangzhu City include all the identified attributes necessary to convey its significance as an outstanding representation of a prehistoric early state and urban civilization in the Yangtze River Basin.

The property contains all material elements of the archaeological ruins, four main man-made elements, i.e. the City Site, the Peripheral Water Conservancy System, the socially-graded cemeteries (including an altar), and excavated objects represented by jade artefacts, as well as the natural topography that is directly linked to the function of the sites.

The buffer zone includes the historical environmental elements associated with the value of the property, such as mountains, isolated mounds, bodies of water and wetlands, but also includes scattered contemporaneous archaeological remains surrounding the ancient city, as well as the intrinsic association of value between different sites and their spatial layout and pattern.

The impact of urban development and construction and natural factors threatening the property have been properly addressed.

Authenticity

Sites in the four areas, including the City Site, the Peripheral Water Conservancy System, the socially-graded cemeteries (including an altar), preserved as archaeological sites, carry the authentic historical information of the heritage of the period ca. 3300-2300 BCE, including characteristics in site selection, space and environment, location and layout, contour of remains, materials and technologies, and historical function of the sites, as well as the internal connection between the overall layout of the property and individual elements, and the historical natural environment of the distribution region of the sites. The objects unearthed from the four areas represented by jade artefacts authentically preserve the shape, categories, decorative patterns, functions, materials and the complex processing technologies and exquisite craftsmanship of the artefacts. Together with the archaeological sites, they authentically and credibly demonstrate the degree of development of the rice-cultivating civilization in the lower reaches of the Yangtze River in the Neolithic period and provide a panorama of Archaeological Ruins of Liangzhu City as an early regional urban civilization.

Protection and management requirements

Three components sites, Area of Yaoshan Site (01), Area of Causeway in Front of the Mountains (03-2), and Area of City Site (04) of the Archaeological Ruins of Liangzhu City, have obtained the highest-level national protection and are located in the Key Protection Subzone within the protection range of "Liangzhu Archaeological Site", a National Priority Protected Site for the protection of cultural relics. The Area of High-dam at the Mouth of the Valley (02) and Area of the Low-dam on the Plain (03-1) were listed as Provincial Protected Sites of Zhejiang in 2017, and an application is being processed for listing them as National Priority Protected Sites.

The property is owned by the State and is protected by relevant laws and regulations such as the Law of the People's Republic of China on the Protection of Cultural Relics, Regulations for the Implementation of Law of the People's Republic of China on the Protection of Cultural Relics, and Administrative Regulations of Zhejiang Province on the Protection of Cultural Relics, and enjoys both national and provincial-level status in protection.

Special protection policies and regulations for the property have been formulated and improved, including Regulations for the Protection and Management of Liangzhu Archaeological Site of Hangzhou (revised in 2013), and a series of special regulations for heritage protection has been prepared, issued and implemented, including the Conservation Master Plan for the Liangzhu Archaeological Site (2008-2025) as a National Priority Protected Site, and monitoring over the property and its surroundings is also strengthened.

All four areas of the Archaeological Ruins of Liangzhu City share the same buffer zone and are managed effectively in a uniform way by a common management authority – the Hangzhou Liangzhu Archaeological Administrative District Management Committee.

It has a clear system for division of work and responsibilities, complete functions, sufficient technical and management staff specializing in protection, sufficient resources of funds, and complete facilities.

Various protection and management regulations will be strictly implemented, environmental capacity and development and construction activities in the property area will be effectively controlled, and negative impacts on the property from the pressures of various developments will be curbed; demands of stakeholders will be coordinated and taken into overall consideration, and the balance between the protection of the property and developments in tourism and urban construction will be kept, both rationally and effectively.

Research, interpretation and dissemination of the heritage value will be strengthened; the integrated function of the property, including cultural tourism and ecological protection, will be brought into play appropriately, and a sustainable and harmonious relationship between the protection of Archaeological Ruins of Liangzhu City and the development of Yuhang District and Hangzhou City will be maintained.

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	Large-scale city site	✘			
3.2.2	Peripheral water conservancy system with sophisticated functions	✘			
3.2.3	Hierarchical cemeteries featuring division of social classes (including sacrificial altars)	✘			
3.2.4	Unearthed objects represented by jade ware series symbolizing beliefs and systems	✘			

3.2.5	Planning layouts and construction techniques displaying an outstanding paradigm of early urban civilization	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

The property's OUV has been placed under effective protection since inscription on the List.

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 X	X	X	X	X			📈
🔴 Negative X	X	X	X	X		➡	

4.1.2 - Commercial development

Relevant	X Not relevant
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4.1.3 - Industrial areas

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

Relevant	X Not relevant
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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

No comment

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

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

4.2.2 - Underground transport infrastructure

Relevant	X Not relevant
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4.2.3 - Air transport infrastructure

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

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

In order to weaken the function of National Highway 104 as a transit route through the property area, the western line of Hangzhou City Ring Highway was put into use in 2020. The property's monitoring center has installed traffic flow monitoring facilities at National Highway 104 and will place continuous focus on the role of the western line in diverting traffic flows and weaken the national way as a transit route across the property area.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

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

4.3.2 - 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

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.3.5 - Major linear utilities

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

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

No comment

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

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.4.3 - Surface water pollution

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.4.4 - Air pollution

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.4.5 - Solid waste

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.4.6 - Input of excess energy

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
 No comment

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Relevant Not relevant

4.5.2 - Aquaculture

Relevant Not relevant

4.5.3 - Land conversion

Relevant Not relevant

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

4.5.4 - Livestock farming/Grazing of domesticated animals

Relevant Not relevant

4.5.5 - Crop production

Relevant Not relevant

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

4.5.6 - Commercial wild plant collection

Relevant Not relevant

4.5.7 - Subsistence wild plant collection

Relevant Not relevant

4.5.8 - Commercial hunting

Relevant Not relevant

4.5.9 - Subsistence hunting

Relevant Not relevant

4.5.10 - Forestry/Wood production

Relevant Not relevant

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
 Traditional rice farming has been continued in partial areas of the property, which not only presents rice farming traditions but also helps prevent potential destruction of construction activities to the buffer zone.

4.6. Physical resource extraction

4.6.1 - Mining

Relevant Not relevant

4.6.2 - Quarrying

Relevant Not relevant

4.6.3 - Oil and gas

Relevant Not relevant

4.6.4 - Water (extraction)

Relevant Not relevant

4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively
 No comment

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

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

4.7.2 - Relative humidity

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

4.7.3 - Temperature

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

4.7.4 - Radiation/Light

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

4.7.5 - Dust

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.7.6 - Water (rain/water table)

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

4.7.7 - Pests

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.7.8 - Micro-organisms

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

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

1. Underground remains. Changes in ground water may affect underground remains. 2. Ground remains. Rain wash may cause flaking off of earthen remains. In addition, years of exposure to wind, sunshine, rain as well as changes in humidity and temperature may cause collapse, cracks, erosion, gulch or microorganism attacks.

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.2 - Society's valuing of heritage

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

4.8.3 - Indigenous hunting, gathering and collecting

Relevant Not relevant

4.8.4 - Changes in traditional ways of life and knowledge system

Relevant Not relevant

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

Relevant Not relevant

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

4.8.6 - Impacts of tourism/Visitation/Recreation

Relevant Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
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
No comment

4.9. Other human activities

4.9.1 - Illegal activities

Relevant Not relevant

4.9.2 - Deliberate destruction of heritage

Relevant Not relevant

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
No comment

4.10. Climate change and severe weather events

4.10.1 - Storms

Relevant Not relevant

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

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

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

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

No comment

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

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

No comment

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Relevant Not relevant

4.12.2 - Invasive/Alien terrestrial species

Relevant Not relevant

4.12.3 - Invasive/Alien freshwater species

Relevant Not relevant

4.12.4 - Invasive/Alien marine species

Relevant Not relevant

4.12.5 - Hyper-abundant species

Relevant Not relevant

4.12.6 - Modified genetic material

Relevant Not relevant

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

No comment

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	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	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	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	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	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	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	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

No comment

4.14. Other factor(s)

4.14.1 - Other factor(s)

No any other factors

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact			Origin		Trend
4.1 Buildings and Development						
4.1.1 Housing	+	High	High	Local	Global	↗
	-	High	High	Local	Global	→
4.1.5 Interpretative and visitation facilities	+	High	High	Local	Global	↗
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure	+	High		Local	Global	↗
4.2.5 Effects arising from use of transportation infrastructure						
	-	High	High	Local	Global	↘
4.3 Services Infrastructures						
4.3.1 Water infrastructure			High		Global	→
	-					
4.3.5 Major linear utilities				Local		↘
	-	High				
4.5 Biological resource use/modification						
4.5.3 Land conversion	+	High		Local		↗
4.5.5 Crop production	+	High	High	Local	Global	→
4.7 Local conditions affecting physical fabric						
4.7.1 Wind			High	Local		→
	-					
4.7.2 Relative humidity		High	High	Local		→
	-					
4.7.3 Temperature		High	High	Local		→
	-					
4.7.4 Radiation/Light			High	Local		→
	-					
4.7.6 Water (rain/water table)				Local		→
	-	High	High			
4.7.8 Micro-organisms				Local		→
	-	High	High			
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage	+	High	High	Local	Global	↗
4.8.5 Identity, social cohesion, changes in local population and community	+	High	High	Local	Global	↗
4.8.6 Impacts of tourism/Visitation/Recreation	+	High	High	Local	Global	↗

4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖	⚠	⚠	⊕	🌿	➡
4.10.6 Temperature change						
	⊖	⚠	⚠	⊕	🌿	➡
4.13 Management and institutional factors						
4.13.1 Management system/Management plan						
	⊕	⚠	⚠	⊕	🌿	➡
4.13.2 Legal framework						
	⊕	⚠	⚠	⊕	🌿	➡
4.13.3 Governance						
	⊕	⚠	⚠	⊕	🌿	➡
4.13.4 Management activities						
	⊕	⚠	⚠	⊕	🌿	➡
4.13.5 Financial resources						
	⊕	⚠	⚠	⊕	🌿	➡
4.13.6 Human resources						
	⊕	⚠	⚠	⊕	🌿	➡
4.13.7 Low impact research/monitoring activities						
	⊕	⚠	⚠	⊕	🌿	➡
Legend	⚠ Current	⚠ Potential	⊖ Negative	⊕ Positive	⊕ Inside	🌿 Outside







4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

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

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

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	  	 	

Spatial scale - Area affected by the factor

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

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

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






Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

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

4.2 Transportation Infrastructure

Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	 	 	

Spatial scale - Area affected by the factor

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

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes


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

Name	Impact			Origin		Trend
4.3.5 Major linear utilities						

Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input 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 checked="" type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

4.5 Biological resource use/modification

Name	Impact	Origin	Trend
4.5.3 Land conversion	 		

Spatial scale - Area affected by the factor

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

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes







<input type="checkbox"/>	Insignificant
<input 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
4.5.5 Crop production	  	 	

Spatial scale - Area affected by the factor

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

Temporal scale - Occurrence of the impact

<input 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

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

4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.1 Wind			

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

Name	Impact	Origin	Trend
4.7.2 Relative humidity			

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 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 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 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 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	

	Decreasing
X	Static
	Increasing

Name	Impact	Origin	Trend
4.7.4 Radiation/Light			

Spatial scale - Area affected by the factor

	Restricted
X	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

	Insignificant
X	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
4.7.6 Water (rain/water table)			

Spatial scale - Area affected by the factor

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

Name	Impact	Origin	Trend
4.7.8 Micro-organisms	  	 	

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




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

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

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

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

4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	  	 	





Spatial scale - Area affected by the factor	
	Restricted

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

Name	Impact	Origin	Trend
4.8.5 Identity, social cohesion, changes in local population and community			

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

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

Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	  	 	

Spatial scale - Area affected by the factor

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

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

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




Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

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

4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.1 Storms	 	 	

Spatial scale - Area affected by the factor

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




Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

	Insignificant
--	---------------

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

Name	Impact	Origin	Trend
4.10.6 Temperature change	 	 	

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






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

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

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

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

4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	  	 	






Spatial scale - Area affected by the factor	
	Restricted

<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 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
4.13.2 Legal framework			

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 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

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

Name	Impact	Origin	Trend
4.13.3 Governance	  	 	

Spatial scale - Area affected by the factor

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

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes







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

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

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

Name	Impact	Origin	Trend
4.13.4 Management activities	  	 	

Spatial scale - Area affected by the factor

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






Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

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

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

Name	Impact	Origin	Trend
4.13.5 Financial resources	  	 	







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

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

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

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






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

Name	Impact	Origin	Trend
4.13.6 Human resources	  	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	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 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
4.13.7 Low impact research/monitoring activities	  	 	

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 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

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

The property contains four component areas. They are all typical earthen sites close with each other and affected by the same factors.

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	Large-scale city site	✘			
4.18.1.2	Peripheral water conservancy system with sophisticated functions	✘			
4.18.1.3	Hierarchical cemeteries featuring division of social classes (including sacrificial altars)	✘			
4.18.1.4	Unearthed objects represented by jade ware series symbolizing beliefs and systems	✘			
4.18.1.5	Planning layouts and construction techniques displaying an outstanding paradigm of early urban civilization	✘			

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

The boundary of the property and the buffer zone are well-known and adequate enough to support the property's OUV.

5.2. Protective Measures

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

Comment

The Yaoshan Site, the Peripheral Water Conservancy System and the City Site have all been announced as National Priority Protected Sites. The property was inscribed on the List in July 2019 and thus did not undergo the previous Periodic Reporting. In addition to the Law of the People's Republic of China on the Protection of Cultural Relics and Its Implementation Regulations, other relevant laws and planning documents also need additions.

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

Amended on 28 November 2014 / Regulations of Zhejiang Province for the Protection and Management of Cultural Heritage / Article 3: Economic development and construction activities shall not cause damage to cultural heritage. Article 5/6: People's governments above the county level should incorporate cultural heritage protection into their planning documents for national economy and social development, land use, urban-rural construction planning, and scenic areas, and should incorporate cultural heritage protection into their fiscal budgets and conservation funds should increase along with growth of fiscal revenues. / 1 June 2002 /

Regulations of Hangzhou City for the Conservation and Management of the Archaeological Ruins of Liangzhu City / Article 3: Hangzhou Municipal Government is responsible for implementing the Regulations and shall establish a conservation and management body. Article 4: Hangzhou Municipal Government and local district and township governments should incorporate the property's conservation into their planning for national economy and social development and urban-rural construction. Article 5: The principle of combining long-term planning with phase-wise implementation, professional management with public protection, effective conservation with reasonable use should be followed. / 19 January 2016 / Master Plan of Hangzhou City 2001-2020 (revised in 2016) /

Liangzhu Cluster: a base of culture, leisure and tourism focusing on Liangzhu Culture and ecological agriculture in the city's northwest. Liangzhu sites should be protected strictly, with reasonable control of population and land use for construction. The north area is the protected area of the Liangzhu Ruins, while the west and southeast areas are living quarters and the southwest area is a tourism area for ecological farming. / 2009 / Master Plan for Yuhang District (2007-2020) /

To form two metropolitan clusters based on existing townships and scenic areas and by optimizing transport networks and urban functions. Liangzhu Cluster consists of Lianggu and Renhe and builds itself into a satellite town of Hangzhou Metropolis. Its cultural and archaeological resources will be explored to achieve coordination between protection of culture and history and urban modernization. Ecological environment will be protected and cultural tourism developed. / 2014 / Master Plan for Pingyao Township of Yuhang District, Hangzhou City (2014-2030) / Conservation efforts will focus on the preservation of overall appearance, respect for authenticity, continuity of historical remains and their settings. The conservation of the City Ruins will be integrated with the development of ecological environment and local economy so as to achieve sustainable development and harmonization among social, ecological and economic benefits. /

2018 / Conservation and Management Plan for the Archaeological Ruins of Liangzhu City / This basis document is used to guide the property's conservation and management and the development of other relevant special plans, detailed plans, conservation measures and construction schemes. Protected targets contain the property and its setting, including the city site, the peripheral water conservancy system, hierarchical cemeteries (including sacrificial altars), and unearthed objects represented by jade, as well as related historical and natural elements, and all other factors directly associated with heritage attributes. Validity period: 2013-2025. /

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

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

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

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

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

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

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

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

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

Daily conservation and management activities are carried out pursuant to relevant legislations. All construction activities shall be subject to examination and approval according to legal procedures. All these have contributed to maintaining the property's OUV, integrity and authenticity.

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

Existing conservation measures properly maintain 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.

An integrated management plan combining World Heritage and any other designations

A management plan

An annual work plan or business plan

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

The property's management system combines guidance by national authorities and implementation by local governments. With national and local cultural heritage laws as legal basis, several planning documents have been developed to ensure effective conservation and management, including the Master Plan for the Conservation of the Liangzhu Site (under revision) and the Protection and Management Plan for the Archaeological Ruins of Liangzhou City.

5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Management Plan	N/A	Available	2019	

Comment

The property did not undergo the previous cycle of periodic reporting. Existing management documents include: Protection and Management Plan for the Archaeological Ruins of Liangzhou City, the Master Plan for the Conservation of Liangzhou Site (under revision), Work Standards and Procedures for the Protection and Management of Cultural Property in the Liangzhou Site, Administrative System of the Monitoring and Early Warning Center, and the Monitoring and Inspection System.

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

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

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

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

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

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

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

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

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

Strategy for Reducing Risks from Disasters has been used as the refence when the property's monitoring and early warning system and relevant emergency plans for disaster response were developed.

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

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

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

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

5.3.13 - Is the management system being implemented?

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

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

An annual work/action plan **exists and 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			X		
5.3.15.2	Local authorities				X	
5.3.15.3	Landowners in the property and the buffer zone			X		
5.3.15.4	Indigenous peoples	X				
5.3.15.5	Women				X	
5.3.15.6	Other specific groups	X				
	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					X
5.3.16.2	Local/Municipal authorities					X
5.3.16.3	Indigenous peoples	X				
5.3.16.4	Landowners				X	
5.3.16.5	Women					X
5.3.16.6	Youth/Children					X
5.3.16.7	Researchers					X
5.3.16.8	Local Visitors/Tourists				X	
5.3.16.9	National/International tourists				X	
5.3.16.10	Tourism Industry				X	
5.3.16.11	Local businesses and industries				X	
5.3.16.12	NGOs	X				
5.3.16.13	Other specific groups	X				
	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				X	
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)				X	
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				X	
5.3.17.4	The management system of the property integrates a human rights-based approach				X	
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood				X	
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	X				

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

The property's management system features a national-local joint management model. Public participation is also encouraged, such as Weixin applets developed to provide channels for public monitoring; seminar discussions inviting local residents, college students, the women's union, and the youth; villagers working as part-time conservators; and a volunteers' team to participate in daily management, patrols and visitor guide.

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

The property's management system has effectively protected the property's OUV, authenticity and integrity.

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)	1 %	0 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	0 %
6.1.1.8	Governmental (local/municipal)	99 %	90 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	9 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	1 %
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 comment

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

The available **budget is adequate** for effective management of the World Heritage property

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

The property's project implementation, operation and infrastructure construction are ensured by local fiscal funds. Yuhang District Government, where the property is located, has sufficient fiscal revenues and sound economic growth and attaches vital importance to the property's conservation and development. The property has stable financial sources that are adequate to support its conservation and management.

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	45 %	46 %
6.1.6.2	Women	55 %	54 %
		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	Fair
Environmental sustainability	Fair
Community participation and inclusion	Good
Risk preparedness	Good
Capacity development and education	Good
Administration	Fair
Research and monitoring	Fair
Awareness raising and public information/communication	Good

Marketing and promotion	Good
Interpretation	Fair
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	Fair
Environmental sustainability	Fair
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	Good
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.

1. Actively engaging in related trainings and exchanges. 2. Foundation for the Conservation and Study of Liangzhu Culture established. 3. Conducting Cultural Impact Assessment of the Property and Study of Sustainable Development Strategy for Surrounding Villages and Towns. 4. A part-time conservator system established. 5. A volunteer corps set up and monitoring activities by villagers launched. 6. The property have been included in textbooks for elementary middle schools nationwide.

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

Technical professionals employed and technical training provided. Services procured and operation teams set up to operate, present and interpret the site park. Daily monitoring conducted. The Research Base for the Monitoring and Conservation of Earthen Sites in the Humid Environment established through collaboration with universities and research institutions.

7. Scientific Studies and Research Projects

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

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

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

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

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

Research results **are shared** widely **with active outreach** to local communities and national and international audiences

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

Over ten research projects have been conducted and tens of papers published, including "Evolution and Modality of the Civilization in the Lower Stream of the Yangtze River: From Songze to Liangzhu", "Study of the Liangzhu Site and Liangzhu Civilization: A Sub-Topic of Phase 5 for Exploring the Origins of Chinese Civilization", "Identification of Stone Wares in Liangzhu Site and Study of Their Origins".

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

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

Promoting the property on TikTok and other new media. Conducting cross-over cooperation with the Internet game "Animal Crossing: New Horizons". Using 5G technology to enhance the property's visual appeal. Organizing experience-oriented events to explore heritage values, such as public archaeology. Including the property in history textbooks nationwide. Setting up courses on Liangzhu Culture in middle and elementary schools. Designing parents-children events and study tours for youngsters.

9. Visitor Management

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

1451025 / 0 / 0 / 0 / 0 /

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

Entry tickets and registries

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

One day (no overnight stay)

9.4 - Please provide the source of information

Park of Archaeological Ruins of Liangzhu City and Liangzhu Museum. Both institutions adopt the real-name booking system. Visitation information will be collected by relevant management systems. Their average length stay is calculated based on the assessment results by the two institutions.

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

0 / 7.65 / 2.39 / 1.18 / 3.06 / 2.54 /
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9.6 - Please provide the source of information

Yearly Reports of 2019 by the Archaeological Ruins of Liangzhu City and Liangzhu Museum

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

Park of Archaeological Ruins of Liangzhou City adopts the real-name booking system, with daily visitations restricted within 15,000. Number of visitors is monitored by the monitoring and early warning system. Once its cap is exceeded, whole-process management will be launched to ensure minimal access to heritage attributes. Visitor congestion remains at a low degree. The presentation area features a good environment, providing good experience to visitors.

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

Visitor use of the World Heritage property is **effectively managed and does not impact its Outstanding Universal Value**

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

Effective monitoring of visitations secured through the monitoring and early warning system and intelligent travel system.

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

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

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

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

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

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

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

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

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

The 13th Five-Year Plan of Yuhang District for Modern Tourism Development

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

Yes

If 'Yes', please specify

1. The site park has provided quite many jobs for local residents, such as tour guides, security guards, cleaners and battery bus drivers. 2. The property's inscription and the site park have driven cultural and service industries in Pingyao Town and Liangzhu Sub-district, such as creative industry, B&B, catering and countryside travel. 3. Social benefits are expected to grow thanks to the inscription of the property and integration of culture with tourism.

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

The number of local residents engaged in sectors relating to the property adds up to 15,845, effectively promoting local employment and economic development. Thanks to the inscription, environments of the property and the buffer zone have been greatly enhanced.

10. Monitoring

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

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

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

Information on the values of the World Heritage property is **adequate and key indicators have been defined** for measuring the state of conservation and **are being used in monitoring** of how the Outstanding Universal value of the property is being maintained

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

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

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

Monitoring indicators covers all heritage attributes, including state of conservation, effectiveness of management system, features of governance, proper combination with other designations, contribution to sustainable development, and capacity-building. Indicators defined contain state of the property, natural environment, construction restriction, daily patrol, social environment, special monitoring, conservation works, archaeological excavation, public monitoring and tourism and visitors.

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

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

There are 18 commitments made, including 2 in the Committee's decision, 10 in the additional information, and 6 in the nomination dossier. In 2019, the peripheral water conservancy system has been announced as a National Priority Protected Site. The other 17 commitments are under effective implementation.

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

no comment

11. Identification of Priority Management Needs**11.1 - Identification of Priority Management Needs**

5.3	Management System/Management Plan	
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	✕
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	✕
6.1	Funding	
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	✕
7	Scientific Studies and Research Projects	
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	✕
9	Visitor Management	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	✕

Please select 0 more issues.

Please save this question to reflect changes

12. Summary and Conclusions**12.1. Summary - Factors affecting the Property****12.1.1 - Summary - Factors affecting the Property**

4.1	Buildings and Development
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4.1.1	Housing	Villagers' house construction activities are under effective control, having minor impact on the property but possibly having certain impact on criterion (iv)	All construction activities must be subject to examination and approval by the cultural heritage department and construction restriction monitoring must be conducted to ensure whole-process control.	Construction restriction monitoring	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City	none
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4.2 Transportation Infrastructure

4.2.5		Effects arising from use of transportation infrastructure					
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4.3 Services Infrastructures

4.3.1		Water infrastructure					
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4.3.5		Major linear utilities					
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4.7 Local conditions affecting physical fabric

4.7.1	Wind					2 0 1 9	
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4.7.2	Relative humidity	The property is a typical earthen site. Some open-air presentation points, due to humidity impact, may have certain impact on criterion (iv) in terms of landscape presentation.	Multi-disciplinary research conducted to study factors affecting the earthen site and monitoring of relative humidity enhanced.	Monitoring of the natural environment	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City	none
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4.7.3	Temperature	The property is a typical earthen site. Some open-air presentation points, due to temperature impact, may have certain impact on criterion (iv) in terms of landscape presentation.	Multi-disciplinary research conducted to study factors affecting the earthen site and monitoring of temperature enhanced.	Monitoring of the natural environment	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City	none
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4.7.4	Radiation/Light	The property is a typical earthen site. Due to sunlight impact, archaeological presentation sections at the South City Wall and the Tiger Ridge site may have certain negative impact on criterion (iv) in terms of landscape presentation.	Multi-disciplinary research conducted to study factors affecting the earthen site and monitoring of sunlight enhanced.	Monitoring of the natural environment	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City	none
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4.7.6	Water (rain/water table)	Ground water has caused erosion to the archaeological section of the South City Wall and affected the property's stability. It may have certain negative impact on criteria (iii) and (iv) in terms of landscape presentation.	Protective shelters and drainage facilities constructed	Monitoring of ground water	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City	This impact factor is attributed to the natural environment where the property is located.
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4.10 Climate change and severe weather events

4.10.6	Temperature change	The property is a typical earthen site. Temperature change may have certain negative impact on criterion (iv) in terms of landscape presentation.	Multi-disciplinary research conducted to study factors affecting the earthen site and monitoring of temperature change enhanced.	Monitoring of natural environment	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City	none
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Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3 Management System/Management Plan					
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	Monitoring of rainstorm, high temperature, typhoon and other extreme weather events will be strengthened. Early warning will be announced and response measures put in place.	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City	none
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	Monitoring and early warning have been strengthened, with a leading and well-functioned monitoring and early warning system established.	From 2019 till now	Hangzhou Monitoring Center for Archaeological Ruins of Liangzhu City, Administrative Committee for the Liangzhu Site	none
6.1 Funding					
6.1.10	Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Continue to implement the Capacity Building Strategy, actively participate in workshops, seminars and courses organized by the World Heritage Center, increase cooperation with stakeholders, and promote sustainable development of the property	From 2019 till now	Administrative Committee for the Liangzhu Site	none
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	Professionals have been recruited and technical training organized annually	From 2019 till now	Administrative Committee for the Liangzhu Site	none
7 Scientific Studies and Research Projects					
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	At present, quite a lot of researches have been conducted on the protection, management and interpretation of Liangzhu. But rarely is specifically for management needs, and will be improved and improved on the one hand in the future.	From 2019 till now	Administrative Committee for the Liangzhu Site	none
9 Visitor Management					
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	More efforts will be made in areas of weakness: presentation and interpretation of the peripheral water conservancy system, technologies to expose and present excavated sites, and appeal of the property to visitors	From 2019 till now	Administrative Committee for the Liangzhu Site	none

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.

Since its inscription on the List in July 2019, the property has maintained a good state of conservation, with its OUV, authenticity and integrity under effective protection.

13. Impact of World Heritage Status

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

Conservation	Positive
Research and monitoring	Positive
Management effectiveness	Positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Positive
Education	Positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Positive
Advocacy	Positive
Institutional coordination	Positive
Security	Positive
Gender equality	Positive
Provision of ecosystem services/ benefits to local communities	Positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Not applicable
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

no comment

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

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

1. Systematic conservation and management planning has been developed and implemented, solving issues at different levels, particularly ensuring integrated conservation through spatial control, bringing pressure of urban-rural construction under control. 2. Scientific and refined monitoring. 1) all heritage attributed covered. 2) remote sensing satellite imaging, UAV, laser scanning, infrared mapping and human patrol employed. 3) early warning response process improved through coordination among different levels of management, ranging over automatic generation, announcement and tracking of monitoring data and collusion of early warning. 4) monitoring for conservation and research of the earthen site in the humid environment conducted together with different institutions. 5) using digital technology to form a "Heritage Brain" for the property so as to provide digital support for decision-making. 6) Various public events launched, public participation in heritage monitoring expanded. 3. Exploration in earthen site presentation and interpretation. 1) Laboratory areas and public archaeology areas set up to provide diverse archaeology experiences for the public. 2) transformation and application of results in animal and plant archaeology in multiple ways, 3) shallow root crops and plants used as signs and marks to present the site. 4) simulative restoration used to present important archaeological sites. 5) highly perspective steel net sculptures used to recover production and life scenes in the Liangzhou Culture period, in order to minimize impact on the property. 6) 5G technology used to diversify heritage presentation.

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

Sustainable Development
State of Conservation
Management
Governance

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

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

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

State Party	Not needed
Site Managers	Not needed
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Not needed

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
Awareness raising
Advocacy

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

no comment

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
UNESCO National Commission
ICOMOS national/regional
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

240 / 160 / 120 /

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

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

15.4. Format and content of the Periodic Report

15.4.1 - How accessible was the information required to complete this questionnaire?

Most required information was accessible.

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

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

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	Fair
UNESCO (other sectors/field offices)	Fair
UNESCO National Commission	Fair
ICOMOS International	Good
IUCN International	Not applicable
ICCROM international/regional	No support
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	Fair
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Fair
National Commission for UNESCO	Good
ICOMOS International	Fair
ICCROM International/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable
IUCN International	Not applicable

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

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

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

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

No item were proposed for update

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

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

no comment

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