

# Yungang Grottoes

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property

Yungang Grottoes

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Yungang Grottoes	40.11 / 113.122	348.75	846.81	1195.56	2001
<b>Total (ha)</b>		<b>348.75</b>	<b>846.81</b>	<b>1195.56</b>	

### 1.4 - Map(s)

Title	Date	Link to source
Chart of the Protective Areas of Yungang Grottoes	2000	

### Comment

According to the requirements of the World Heritage Center, an updated map will be submitted soon.

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

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

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

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

### 2.2 - Please provide comments on 2.1 if necessary

The conventions/projects listed above do not apply to the World Heritage Site of Yungang Grottoes, and the site is not protected by the conventions/projects listed above.

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

Not applicable

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

Not applicable

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

Not applicable

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

Not applicable

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

2.7.1	1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	x
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> 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 <b>no contact</b> with the Focal Point(s) of this designation/programme.	x
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	



2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.3 Convention on Wetlands of International Importance (Ramsar Convention)</b>		
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	x
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.4 Man and the Biosphere (MAB) Programme</b>		
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	x
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.5 UNESCO Global Geoparks</b>		
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	x
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	

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

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

No

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

The Yungang Grottoes has no relevance to the elements that have been included in the Intangible Cultural Heritage Representative List.

**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.**

The Yungang Grottoes has no correlation with the documentary heritage listed in the Memory of the World Project.

### 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 massive Yungang Buddhist grottoes were cut from the mid-6<sup>th</sup> Century to early-6<sup>th</sup> Century AD. Comprising 252 caves and niches and 51,000 statues within a carved area of 18,000 square meters, the Yungang Grottoes represent the outstanding achievement of Buddhist cave art in China. The Five Caves created by Tan Yao are a classical masterpiece of the first peak of Chinese art, with a strict unity of layout and design. The will of the State is reflected in Buddhist belief in China during the Northern Wei Dynasty since the Grottoes were built with Imperial instructions. While influenced by Buddhist cave art from South and Central Asia, Yungang Grottoes have also interpreted the Buddhist cave art with distinctive Chinese character and local spirit. As a result, Yungang Grottoes have played a vitally important role among early Oriental Buddhist grottoes and had a far-reaching impact on Buddhist cave art in China and East Asia.

**Criterion (i):** The assemblage of statuary of the Yungang Grottoes is a masterpiece of early Chinese Buddhist cave art.

**Criterion (ii):** The Yungang cave art represents the successful fusion of Buddhist religious symbolic art from south and central Asia with Chinese cultural traditions, starting in the 5<sup>th</sup> century CE under Imperial auspices.

**Criterion (iii):** The power and endurance of Buddhist belief in China are vividly illustrated by the Yungang grottoes.

**Criterion (iv):** The Buddhist tradition of religious cave art achieved its first major impact at Yungang, where it developed its own distinct character and artistic power.

##### Integrity

The statues housed in the caves and niches are in good condition and all of the caves and statues have not suffered major damage from vandalism and/or natural disasters. Restoration and repair had been made on deficient parts of some statues in the past. All the necessary attributes demonstrating the Outstanding Universal Value of Yungang Grottoes are contained within the boundary of the property area. The buffer zone provides a necessary safe area for the conservation of the Grottoes, the setting and the historic environment. These measures have enabled the Yungang Grottoes to serve as one of the greatest ancient stone carving art treasure houses in the world.

##### Authenticity

The location, caves and statues of the Yungang Grottoes have retained their historic appearance. The eaves of wooden pavilions of the caves and the related historical remains have kept the distinctive character of the times when they were constructed. The daily maintenance and conservation intervention have been conducted following the conservation principle of minimal intervention in design, materials, methodology, techniques and craftsmanship.

##### Protection and management requirements

The Yungang Grottoes were listed by the State Council among the first group of State Priority Protected Sites in 1961. A number of laws and regulations including the "Law of the People's Republic of China on the Protection of Cultural Relics", the "Regulations of Datong Municipality on Protection and Management of Yungang Grottoes" and the "Conservation Master Plan of Yungang Grottoes", have guaranteed the conservation and management of Yungang Grottoes.

A special organization (now known as the "Yungang Grottoes Research Academy") and professional team have been established to carry out protection, monitoring and regular daily maintenance for the past six decades. The environmental improvement projects have been implemented in recent years at the surrounding villages based on the "Conservation Master Plan of Yungang Grottoes", a commitment that the Chinese government has made in application for the inscription on the World Heritage List. Conservation intervention and maintenance have followed conservation principles, and some pilot protection programs have been carried out to counter the major threats including water seepage, rain erosion and weathering.

**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	Early caves: "Tan Yao Five Caves", namely Caves 16, 17, 18, 19 and 20	x			

3.2.2	Mid-term caves: Cave 1 and 2, Cave 5 and 6, Cave 7 and 8, Cave 9 and 10, four groups of double caves; and Cave 11, 12, and 13 , one group of three caves; Cave 3 (except for the three Tang dynasty statues)	x				
3.2.3	Late caves: Cave 4, middle and small niches in the Longwangmiaogou area between Caves 4 and 5, small niches on the cliff of Caves 11-13, Caves 14 and 15, Cave 21-45	x				
3.2.4	Stone carving plant decoration: honeysuckle pattern, lotus pattern	x				
3.2.5	Stone carving animal decoration: dragon pattern, lion pattern	x				
3.2.6	Stone carving crown decoration: Bodhisattva, vajra	x				
3.2.7	Other stone carving decorations: flame pattern, sequin bead pattern, animal mask pattern	x				
3.2.8	Large statue cave: horseshoe shape plane, dome top, one door and one window	x				
3.2.9	Pagoda Cave: square plane, central tower column	x				
3.2.10	Temple cave: rectangular plane, divided into front and back chambers	x				
3.2.11	Four walls and three niches, that is, a cave with multiple niches	x				
3.2.12	Niche shape: round arched niche, vanity box-shaped niche, umbrella-shaped niche, house-shaped niche	x				
3.2.13	Grotto body material: Jurassic medium-coarse feldspar sandstone with mudstone and sandy mudstone	x				
3.2.14	Remaining building materials in front of the cave: bricks and woods	x				
3.2.15	Stone statues in the cave	x				

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

The value feature identification of Yungang Grottoes is based on its OUV statement and overall protection status.

#### 4. Factors Affecting the Property

##### 4.1. Buildings and Development

###### 4.1.1 - Housing

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

###### 4.1.2 - Commercial development

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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###### 4.1.3 - Industrial areas

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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###### 4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

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

The Yungang Grottoes Heritage Monitoring Center and Cultural Relics Protection Center are located outside the heritage area. There are no new tourism or entertainment facilities, traditional or modern buildings in the area. The information desk is also located outside the area, most of them are temporarily set up, which plays a positive role in explaining the OUV of Yungang Grottoes and solving the difficulties of tourists.

#### 4.2. Transportation Infrastructure

##### 4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

x Relevant			Not relevant				
	Impact		Origin		Trend of impact		

Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive		×		×		—	
Negative							

#### 4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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#### 4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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#### 4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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#### 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

There is a parking lot outside the Yungang Grottoes heritage area, which is small in scale and cannot meet the needs of tourists for parking during peak seasons. Therefore, the management agency set up temporary parking lots far away from the heritage area to alleviate the difficulty of parking for tourists in peak seasons. Because the parking lots are far away from the heritage area, vehicle traffic does not affect the maintenance of the OUV of Yungang Grottoes.

#### 4.3. Services Infrastructures

##### 4.3.1 - Water infrastructure

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

Relevant	×	Not relevant
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##### 4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.3.4 - Localised utilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.3.5 - Major linear utilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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#### 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

There is no infrastructure developed for energy utilities (i.e., gas, electricity, and water) in the Yungang Grottoes Heritage Area, especially no water infrastructure construction after 2011.

#### 4.4. Pollution

##### 4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.4.2 - Ground water pollution

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.4.3 - Surface water pollution

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.4.4 - Air pollution

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.4.5 - Solid waste

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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##### 4.4.6 - Input of excess energy

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

There is no pollution (residential or commercial pollution), garbage, and solid waste discharge in the Yungang Grottoes Heritage Area.

#### 4.5. Biological resource use/modification

##### 4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	×	Not relevant
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#### 4.5.2 - Aquaculture

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.3 - Land conversion

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.5 - Crop production

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.8 - Commercial hunting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.9 - Subsistence hunting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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#### 4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

There is no collection/harvesting of wild plants and animals (forestry, fishing, hunting, gathering) and harvesting of domestic species (forest cultivation, agriculture, aquaculture) and other activities in the Yungang Grottoes Heritage Area.

#### 4.6. Physical resource extraction

##### 4.6.1 - Mining

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

##### 4.6.2 - Quarrying

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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##### 4.6.3 - Oil and gas

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	× Not relevant
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##### 4.6.4 - Water (extraction)

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

There are many coal mines around Yungang Grottoes, and coal mining has a negative impact on Yungang Grottoes. The "Administrative Regulations on the Protection and Management of Yungang Grottoes in Datong City" clearly delineated the underground safety line of Yungang Grottoes, stating that "no mining activities are allowed within the underground safety line." The heritage management agency will establish a vibration monitoring system to understand the underground vibration in real-time.

#### 4.7. Local conditions affecting physical fabric

##### 4.7.1 - Wind

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

##### 4.7.2 - Relative humidity

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.7.3 - Temperature

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.7.4 - Radiation/Light

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.7.5 - Dust

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Current, Inside, Outside

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

#### 4.7.7 - Pests

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

#### 4.7.8 - Micro-organisms

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

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

Water is one of the factors affecting Yungang Grottoes. The protective buildings built in front of the grottoes, the water remediation of the area inside and outside the grottoes, the impervious layer on the roof of the 14th grotto can effectively reduce the adverse effects of water. Pigeons, squirrels, and other animals have a negative impact on the grottoes. After the implementation of bird repellent measures, the number of pigeons in the caves has decreased.

#### 4.8 - Social/Cultural uses of heritage

##### 4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant						
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##### 4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

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

##### 4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant						
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#### 4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

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

Some artworks related to the Yungang Grottoes are sold at fixed places outside the heritage area, explaining and promoting the OUV and enhancing the social influence of Yungang Grottoes.

#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.9.3 - Military training

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.9.4 - War

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.9.5 - Terrorism

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.9.6 - Civil unrest

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

The country where the Yungang Grottoes are located, China, is politically stable, free from armed conflicts or terrorism. In addition, Yungang Grottoes has a complete legal framework and institutional system, as well as comprehensive safety precautions. Safety precautions, such as monitoring, security guards, and police dogs participating in night precautions.

#### 4.10. Climate change and severe weather events

##### 4.10.1 - Storms

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.10.2 - Flooding

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.10.3 - Drought

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.10.4 - Desertification

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	x Not relevant
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##### 4.10.6 - Temperature change

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

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

##### 4.10.7 - Other climate change impacts

Previous answer Cycle 2 (29/07/2011):

- Not relevant

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

Temperature changes can easily cause thermal expansion and contraction of minerals and blocks of cement in the rock, thereby destroying the surface structure of the rock mass. Therefore, temperature changes have a negative impact on Yungang Grottoes.

#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

Previous answer Cycle 2 (29/07/2011):

- Not relevant



Relevant

Not relevant

4.11.2 - Earthquake

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

Relevant

Not relevant

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

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

Relevant

Not relevant

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

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

Apart from the earthquake, there were no other sudden ecological or geological events in the Yungang Grottoes Heritage Area. In the future, a vibration monitoring system will be built in the Yungang Grottoes heritage area to record the vibration in the heritage area in real-time. There has been no fire accident in the core area of the Yungang Grottoes heritage. The heritage management agency attaches great importance to fire prevention and control.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

4.12.6 - Modified genetic material

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

Not relevant

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

There are no invasive/exotic species or over-abundant species in the Yungang Grottoes Heritage Area.

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

Relevant

Not relevant

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

4.13.2 - Legal framework

Relevant

Not relevant

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

4.13.3 - Governance

Relevant

Not relevant

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

#### 4.13.4 - Management activities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

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

#### 4.13.5 - Financial resources

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

#### 4.13.6 - Human resources

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

#### 4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

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

#### 4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	Not relevant
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#### 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

The management system/management plan, legal framework, governance, financial resources, and human resources of the Yungang Grottoes, have a positive influence in maintaining its outstanding universal value. In addition, the Yungang Grottoes are non-renewable resources. The use of destructive technologies for protection research and monitoring activities is prohibited, and the use of non-destructive monitoring and testing techniques for scientific research is encouraged.

4.14. Other factor(s)

#### 4.14.1 - Other factor(s)

N/A

4.15. Factors Summary Table

#### 4.15.1 - Factors Summary Table

Name	Impact		Origin		Trend
<b>4.1 Buildings and Development</b>					
4.1.1 Housing					
4.1.5 Interpretative and visitation facilities					
<b>4.2 Transportation Infrastructure</b>					
4.2.1 Ground transport infrastructure					
<b>4.6 Physical resource extraction</b>					
4.6.1 Mining					
<b>4.7 Local conditions affecting physical fabric</b>					
4.7.1 Wind					
4.7.2 Relative humidity					
4.7.3 Temperature					
4.7.4 Radiation/Light					
4.7.5 Dust					
4.7.6 Water (rain/water table)					
4.7.7 Pests					
<b>4.8 Social/Cultural uses of heritage</b>					

4.8.2 Society's valuing of heritage							
4.8.6 Impacts of tourism/Visitation/Recreation							
4.10 Climate change and severe weather events							
4.10.6 Temperature change							
4.11 Sudden ecological or geological events							
4.11.2 Earthquake							
4.11.6 Fire (wildfire)							
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							
<b>Legend</b>	Current	Potential	Negative	Positive	Inside	Outside	

4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name	Impact	Origin	Trend
4.1.1 Housing			

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

- ☒ Restricted
- ☐ Localised
- ☐ Extensive
- ☐ Widespread

#### Temporal scale - Occurence of the impact

- ☒ One off or rare
- ☐ Intermittent or sporadic
- ☐ Frequent
- ☐ On-going

#### Impact - Impact on the attributes

- ☒ Insignificant
- ☐ Minor
- ☐ Significant
- ☐ Major

#### Management response - Capacity of management to respond

- ☒ High capacity
- ☐ Medium capacity
- ☐ Low capacity
- ☐ No capacity and / or resources

#### Trend - Development over the last 6 years

- ☐ Decreasing
- ☒ Static
- ☐ Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities			

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





- ☒ Restricted
- ☐ Localised
- ☐ Extensive
- ☐ Widespread

#### Temporal scale - Occurence of the impact





- ☐ One off or rare
- ☐ Intermittent or sporadic
- ☒ Frequent

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

#### 4.2 Transportation Infrastructure

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

#### 4.6 Physical resource extraction

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

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

#### 4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.1 Wind	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

☐ Restricted

☒ Localised

☐ Extensive

☐ Widespread

**Temporal scale - Occurrence of the impact**

☐ One off or rare

☒ Intermittent or sporadic

☐ Frequent

☐ On-going

**Impact - Impact on the attributes**

☒ Insignificant

☐ Minor

☐ Significant

☐ Major

**Management response - Capacity of management to respond**

☐ High capacity

☐ Medium capacity

☒ Low capacity

☐ No capacity and / or resources

**Trend - Development over the last 6 years**

☒ Decreasing

☐ Static

☐ Increasing

Name	Impact	Origin	Trend
4.7.2 Relative humidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

☐ Restricted

☒ Localised

☐ Extensive

☐ Widespread

**Temporal scale - Occurrence of the impact**

☐ One off or rare

☐ Intermittent or sporadic

☒ Frequent

☐ On-going

**Impact - Impact on the attributes**

☒ Insignificant

☐ Minor

☐ Significant

☐ Major

**Management response - Capacity of management to respond**

☐ High capacity

☒ Medium capacity

☐ Low capacity

☐ No capacity and / or resources

**Trend - Development over the last 6 years**

☐ Decreasing

☒ Static

☐ Increasing

Name	Impact	Origin	Trend
4.7.3 Temperature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

☐ Restricted

☒ Localised

☐ Extensive

☐ Widespread

**Temporal scale - Occurrence of the impact**

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

Name	Impact	Origin	Trend
4.7.4 Radiation/Light	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Name	Impact	Origin	Trend
4.7.5 Dust	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Trend - Developement over the last 6 years

x

Decreasing

Static

Increasing

Name

4.7.6 Water (rain/water table)

Impact

Origin

Trend

Spatial scale - Area affected by the factor

Restricted

x

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

One off or rare

x

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

Insignificant

x

Minor

Significant

Major

Management response - Capacity of management to respond

High capacity

x

Medium capacity

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

x

Decreasing

Static

Increasing

Name

4.7.7 Pests

Impact

Origin

Trend

Spatial scale - Area affected by the factor

x

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

One off or rare

x

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

x

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

High capacity

x

Medium capacity

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

x

Decreasing

Static

Increasing

4.8 Social/Cultural uses of heritage

Name

4.8.2 Society's valuing of heritage

Impact

Origin

Trend

Spatial scale - Area affected by the factor

Restricted

Localised

x

Extensive

Widespread

Yungang Grottoes

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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
4.8.6 Impacts of tourism/Visitation/Recreation	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>

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

4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.6 Temperature change	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>

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



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

#### 4.11 Sudden ecological or geological events

Name	Impact	Origin	Trend
4.11.2 Earthquake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

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

##### Temporal scale - Occurrence of the impact

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

##### Impact - Impact on the attributes

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

##### Management response - Capacity of management to respond

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

##### Trend - Development over the last 6 years

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

Name	Impact	Origin	Trend
4.11.6 Fire (wildfire)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

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

##### Temporal scale - Occurrence of the impact

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

##### Impact - Impact on the attributes

<input 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

#### 4.13 Management and institutional factors

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

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

<input type="checkbox"/>	Restricted
--------------------------	------------

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

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

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

Name	Impact	Origin	Trend
4.13.3 Governance	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>

<b>Spatial scale - Area affected by the factor</b>	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread
<b>Temporal scale - Occurence of the impact</b>	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
<b>Impact - Impact on the attributes</b>	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input checked="" type="checkbox"/>	Major
<b>Management response - Capacity of management to respond</b>	
<input checked="" type="checkbox"/>	High capacity

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

Name	Impact	Origin	Trend
4.13.4 Management activities			

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

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

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

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

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

Name	Impact	Origin	Trend
4.13.5 Financial resources			

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

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

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

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

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

Name	Impact	Origin	Trend
4.13.6 Human resources			

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

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

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>

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

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

N/A

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	Grottoes	x			
4.18.1.2	Stone carving decorative elements	x			
4.18.1.3	Grotto formation	x			
4.18.1.4	Grotto construction materials	x			
4.18.1.5	Stone buddhist statues	x			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

The buffer zones of the World Heritage property are **known and recognised** by the management authority **but are not known** by 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 heritage area of the Yungang Grottoes can maintain the OUV of the heritage. There are walls on the boundary. The management authority and the local community/landowner all know the boundary of the heritage area.

5.2. Protective Measures

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

The Yungang Grottoes are owned by the People's Republic of China. In 1961 the Grottoes were declared a major cultural heritage site to be protected at the national level. The site was listed as a special place open to overseas tourists in 1983 (like the Imperial Palace, the Great Wall, and the Dunhuang Grottoes) and was included in the State plan on tourism.

In 1997, the municipal government promulgated the Regulations of Datong City on the Protection and Management of the Yungang Grottoes, the first local regulations in China for the protection of major cultural heritage areas, making an important contribution to the protection and

management of the Yungang Grottoes.

The site has different degrees of protection: a. the key area, including the grottoes, the Ming structures on the plain, and 33 an area in front of the caves in the river valley; b. an outer protection area, including an area of controlled reconstruction; and c. a buffer zone surrounding the area, which includes parts of the plain north and south of the river. Each area is protected according to various civic, cultural, environmental, and urban planning laws and regulations. The regulations concern density, height, content, form, and size of the buildings and settlements.

The boundary of the site has been identified both above and below ground, taking into account the fact that Datong is a major coal-producing area and there are mines around the site. In an area of 300m from the outer protection area, any mining is banned with a collapse angle of 70 degrees. The rural villages and buildings near the site have a total of 1700 inhabitants, and there are some 2300 employees. The villages do not present a hazard to the protection of the site, but the general policy is to encourage removal of population to other areas and to ban any new arrivals. All buildings in the neighbourhood which could be considered to disturb the setting of the site will eventually be removed.

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

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

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

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

An adequate legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists but there are some deficiencies in implementation

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

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

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

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

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

The laws and regulations of Yungang Grottoes are relatively complete. On the basis of abiding by international norms and national cultural relics protection laws, appropriate measures are taken to preserve, protect, manage and rationally use the caves.

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

The legal framework for the broader context of Yungang Grottoes mainly refers to the "Law of the People's Republic of China on the Protection of Cultural Relics" and "Regulations for the Implementation of the Law of the People's Republic of China on the Protection of Cultural Relics". These legislations provide a sufficient foundation for the effective management and protection of the heritage, and help maintain its Outstanding Universal Value.

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.

<input type="checkbox"/>	A statutory Management Plan or zoning plan for the property.
<input type="checkbox"/>	Other forms of statutory or non-statutory plans (e.g. strategic plans)
<input type="checkbox"/>	Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property
<input type="checkbox"/>	Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups
<input type="checkbox"/>	A code of practice developed by local communities or other groups
<input type="checkbox"/>	A code of practice developed by industry
<input type="checkbox"/>	An integrated management plan combining World Heritage and any other designations
<input type="checkbox"/>	A management plan
<input type="checkbox"/>	An annual work plan or business plan
<input type="checkbox"/>	A disaster, climate or conflict risk management plan
<input type="checkbox"/>	A visitor/visitation management plan
<input type="checkbox"/>	An environmental management framework

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

The Yungang Grottoes Research Academy is an organization responsible for the protection, research, and tourism management of the heritage. It has 20 departments and each department has clear responsibilities. The Yungang Grottoes formulated the "Overall Protection Plan for Yungang Grottoes (2008-2025)" and promulgated and revised the local regulations "The Yungang Grottoes Protection and Management Regulations of Datong City", and its protection management is more scientific and reasonable.

5.3.4 - Management Documents

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

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

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

N/A

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:

N/A

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

Following the requirements of the "World Heritage Disaster Risk Reduction Strategy", a survey of hidden dangers of geological disasters in the Yungang Grottoes Reserve was carried out. In the summer of 2017, the hidden dangers were dealt with. In addition, heritage management personnel conduct regular inspections of the heritage area to find hidden dangers and deal with them in a timely manner.

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

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

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

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

5.3.13 - Is the management system being implemented?

The management system is being fully implemented and monitored

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

An annual work/action plan exists and many of its activities are being implemented

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

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities			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				×	
5.3.16.10	Tourism Industry				×	
5.3.16.11	Local businesses and industries				×	
5.3.16.12	NGOs				×	
5.3.16.13	Other specific groups	×				
	If you selected 'Other specific groups', please specify					

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

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

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

The existing management system of the World Heritage Yungang Grottoes is sufficient to maintain the outstanding universal value of the heritage. At the same time, the management system helps improve the local ecosystem, contributes to social integration and equality, helps increase employment opportunities for community members, and promotes the local economic development.

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

The existing management system/plan of Yungang Grottoes is sufficient to maintain the Outstanding Universal Value of the heritage. The land in the heritage area is owned by the Yungang Grottoes Research Academy, while the landowners in the buffer zone and the groups living nearby do not fully participate.

## 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)	38 %	0 %
6.1.1.7	Governmental (regional/provincial/state)	3 %	0 %
6.1.1.8	Governmental (local/municipal)	59 %	100 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	0 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	0 %	0 %
		Total 100 %	Total 100 %

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

N/A

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

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

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

The existing sources of funding are **secure over the medium-term** and **planning is underway to secure funding over the long-term**

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

The Yungang Grottoes management agency is a public institution, and its 'revenue and expenditure are divided into two lines', that is, the ticket income is turned over to the government's special fiscal account, and its expenditure is approved by the government's finances according to the needs of the Yungang Grottoes management agency to perform its functions. The funds are allocated as government (local/municipal) funds for the project and operating expenses of the Yungang Grottoes.

**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	58 %	53 %
6.1.6.2	Women	42 %	47 %
		Total 100 %	Total 100 %

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

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

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

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

**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	Poor
Community participation and inclusion	Poor
Risk preparedness	Fair

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

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

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

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

N/A

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

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

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

The number of people involved in heritage management in the local community is close to that of people from other places. The protection, research, and management of the Yungang Grottoes require multidisciplinary participation and collaboration, and the existing personnel can only partially meet the management needs of the World Heritage.

7. Scientific Studies and Research Projects

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

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

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

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

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

Research results are shared with local communities and some national agencies

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

There are quite a few studies on the protection, research and management of Yungang Grottoes. The research results of these projects have been shared with local communities and some national institutions.

8. Education, Information and Awareness Building

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

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

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

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

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

Local communities
Women
Youth/children
Researchers
Tourism industry
Local businesses and industries
NGOs

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

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

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

The land in the Yungang Grottoes Heritage Area is owned by the Yungang Grottoes Research Academy, a heritage management organization, so the heritage managers have a good knowledge and understanding of the Yungang Grottoes being included in the "World Heritage List".

9. Visitor Management

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

1973735 / 1642972 / 1555185 / 1277031 / 1152100 /

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 to three hours

9.4 - Please provide the source of information

Ticket Management Department and Reception Office of Yungang Grottoes Research Academy.

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

-

**9.6 - Please provide the source of information**

Ticket Management Department and Reception Office of Yungang Grottoes Research Academy.

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

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

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

The "Conversation Master Plan of Yungang Grottoes" currently implemented by Yungang Grottoes has made a detailed plan for the management of tourists, tourism activities, and their impact on the heritage. However, with the passage of time and changes in the current situation, there have been some shortcomings, such as entertainment and shopping for tourists.

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

Visitor use of the World Heritage property is managed but **improvements could be made**

**9.10 - Is the effectiveness of tourism management regularly monitored?**

Yes, through the UNESCO Tourism Management Assessment Tool

If a different system, please specify

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

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

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

The Outstanding Universal Value of the property is **adequately presented and interpreted**

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

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

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

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

**9.15 - Are there locally driven sustainable tourism initiatives?**

Yes

If 'Yes', please specify

"Yungangyu Historical and Cultural Corridor Tourism Overall Plan" is the local sustainable tourism development plan. Yungangyu, where the Yungang Grottoes are located, has many more than 30 cultural relics sites, including castles, beacons, tombs, and kiln sites. At present, the Yungang Grottoes Research Academy is compiling the "Overall Plan", which focuses on building the cultural and natural landscape of nearly 30 kilometers from east to west with the Yungang Grottoes as the core.

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

Yes

If 'Yes', please specify

Yungang Grottoes helped the local community, improved the surrounding environment, provided more employment opportunities for community residents, and prospered the local economy.

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

The Outstanding Universal Value of Yungang Grottoes has been displayed and explained. Cooperation with the person in charge of the tourism industry has strengthened the understanding of OUV. The behavior of tourists has been managed. Tourism income is helpful to the protection and management of Yungang Grottoes. The community shared the benefits of tourism.

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

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

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

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

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

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

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

The existing monitoring indicators of the Yungang Grottoes are related to the protection of the grottoes. Firstly, monitoring of the grotto itself, including rock fissure monitoring, rock mass tilt monitoring indicators; secondly, grotto preservation environmental monitoring, such as temperature, humidity, wind speed, wind direction, radiation, pressure, etc.; thirdly, air quality monitoring, such as sulfur dioxide, carbon dioxide, carbon monoxide, and other monitoring indicators.

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

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

The information used comes from the Heritage Monitoring Center of Yungang Grottoes Research Academy. In 2019, the General Assembly resolution of the World Heritage Committee on "Using Retrospective Statements of Outstanding Universal Value" was implemented.

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

Monitoring is the core of the world heritage system, and its goal is to check whether outstanding universal values are effectively protected. The World Heritage Yungang Grottoes have a lot of monitoring indicators, measuring the protection status of the caves, which are of great significance to maintaining the Outstanding Universal Value of the heritage.

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

5.1	Boundaries and Buffer Zones	
5.1.4	The buffer zones of the World Heritage property <b>are known and recognised by the management authority but are not known and recognized by local communities/landowners</b>	×
5.2	Protective Measures	
5.2.4	An <b>adequate legal framework</b> in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists <b>but there are some deficiencies in implementation</b>	
5.2.6	There is <b>acceptable capacity/resources</b> to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	
5.3	Management System/Management Plan	
5.3.5	<b>No use</b> has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	<b>No use</b> has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	×
5.3.9	<b>Some use</b> has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	×
5.3.11	There is <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>	
5.3.17	<ul style="list-style-type: none"> <li>• In a <b>limited manner</b>, the management system of the World Heritage property does <b>contribute to gender equality</b></li> <li>• In a <b>limited manner</b>, the management system of the World Heritage property does <b>contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status</b></li> </ul>	×
6.1	Funding	



6.1.3	The available <b>budget is acceptable</b> but <b>could be further improved</b> to fully meet the management needs of the World Heritage property	×
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	×
6.1.10	<b>No use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	
6.1.12	<b>A site-based</b> capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, <b>but most technical work is carried out by external staff</b>	
8	<b>Education, Information and Awareness Building</b>	
8.2	There is a planned education and awareness programme for children and/or youth <b>but it only partly meets the needs</b>	×
9	<b>Visitor Management</b>	
9.7	There <b>is a strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are <b>some deficiencies in implementation</b>	
9.9	Visitor use of the World Heritage property is managed but <b>improvements could be made</b>	×
9.11	There <b>is limited cooperation</b> between those responsible for the World Heritage property and the tourism industry <b>to present the Outstanding Universal Value and increase appreciation</b>	
10	<b>Monitoring</b>	
10.1	There <b>is considerable monitoring</b> at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	×
10.2	Information on the values of the World Heritage <b>property is adequate and key indicators have been defined</b> but <b>monitoring of the status of indicators could be improved</b>	×
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

4.6	Physical resource extraction							
4.6.1	Mining			1 9 9 3 2 0 1 8				
4.7	Local conditions affecting physical fabric							
4.7.1	Wind	The inclusion of Yungang Grottoes in the "World Heritage List" Standard I was affected, and the specific area was located on the cliff outside the cave and inside the cave.	Weather stations have been installed in the property area to conduct real-time monitoring of wind speed and direction. Eaves have been added in front of caves to prevent statues from wind erosion.	Establish a weather station in the Yungang Grottoes heritage area to monitor the wind speed and direction in real-time.	In July 2018, real-time online monitoring of wind speed and direction in the heritage area has been started.	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None	
4.7.2	Relative humidity	The inclusion of Yungang Grottoes in the "World Heritage List" Standard I was affected, and the specific area was located inside the cave.	Dehumidifiers are placed in the 9th, 10th, 11th, 13th Caves, and an unnamed cave of Yungang Grottoes to reduce and stabilize the humidity inside the caves.	Establish a weather station in the heritage area to monitor the air humidity in real-time.	In July 2018, real-time online monitoring of the humidity inside the heritage area and grottoes has been started.	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None	
4.7.3	Temperature	The inclusion of Yungang Grottoes in the "World Heritage List" Standard I was affected, and the specific area was located on the cliff outside the cave.	Protective buildings are built in front of Caves 9-13 and unnamed Caves of Yungang Grottoes. Some cliffs are protected by buildings. The temperature in the building is relatively constant, which reduces the impact of temperature on some cliffs.	Establish a weather station in the heritage area to monitor the atmospheric temperature in real-time.	In July 2018, real-time online monitoring of the internal temperature of the grottoes began in the grotto heritage area and some caves.	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None	
4.7.4	Radiation/Light	The inclusion of the Yungang Grottoes in the "World Heritage List" Standard I was affected. The specific area is located on the cliff outside the cave and the grottoes without buildings in front of the cave.	Protective buildings are built in front of Caves 9-13 and unnamed Caves of Yungang Grottoes. Some cliffs are protected by buildings, reducing the impact of light radiation on parts of cliffs.	Establish a weather station in the cave heritage area to monitor the intensity of light radiation in real-time.	In July 2018, real-time online monitoring of optical radiation began in the grotto heritage area.	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None	
4.7.5	Dust							
4.7.6	Water (rain/water table)	The inclusion of Yungang Grottoes in the "World Heritage List" Standard I was affected, and the specific area was located on the cliff outside the cave and inside the cave.	Protective buildings were built in front of Caves 9-13 and unnamed Caves, and some cliffs were protected by buildings.At the top of Cave 14 is the anti-seepage project on the roof of the cave to reduce the rainwater from infiltrating into the grotto.	Establish a weather station in the cave heritage area to monitor rainfall in real-time.	In July 2018, real-time online monitoring of rainfall in the grotto heritage area began.	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None	
4.7.7	Pests							
4.10	Climate change and severe weather events							
4.10.6	Temperature change		9 - 1 3			3 5 - 1 3 1 6 2 1 2 5 3 0		
4.11	Sudden ecological or geological events							
4.11.2	Earthquake	The inclusion of Yungang Grottoes in the "World Heritage List" Standard I was affected, and the specific area was located on the cliff outside the cave and inside the cave.	We exchange information timely with the local Earthquake Administration.	In the future, vibration monitoring equipment will be placed in the grotto heritage area to monitor the grotto heritage area online.	2021-2030.	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None	
Summary - Factors affecting the Property completed								
12.2. Summary - Management Needs								
12.2.1 - Summary - Management Needs								
5.1	Boundaries and Buffer Zones							
5.1.4	The buffer zones of the World Heritage property are known and recognised by the management authority but are not known and recognized by local communities/landowners	Actions Publicity activities on the boundary of the buffer zone and outstanding universal value of the Yungang Grottoes will be carried out for local communities/land owners, and regular inspections will be conducted on the boundary of the buffer zone.	Timeframe 2021-2030.	Lead agency (and others involved) Security Department and Reception Office of Yungang Grottoes Research Academy.	More info / comment None			
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	Climate is a natural factor that affects the preservation of Yungang Grottoes.The climate indicators inside and outside the caves have been monitored for a long time.In the future,we will refer to the global climate change policy to better protect.	2021-2030.	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None			

5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	In 2016, heritage managers conducted a disaster risk survey on the heritage area, and implemented governance in 2017 to eliminate hidden dangers. In addition, regular inspections will be conducted to deal with hidden dangers in a timely manner.	2021-2030.	Conservation and Restoration Room of Yungang Grottoes Research Academy.	None
5.3.17	<ul style="list-style-type: none"> <li>In a limited manner, the management system of the World Heritage property does contribute to gender equality</li> <li>In a limited manner, the management system of the World Heritage property does contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status</li> </ul>	Yungang Grottoes have long provided employment opportunities for local community residents. In the future, it will increase the provision of jobs to all people in the local community, promote social integration and peace, and prosper the local economy.	2021-2030.	Logistics Management Department and Personnel Department of Yungang Grottoes Research Academy.	None

6.1	Funding				
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	Identifying funding management needs, preparing project and operation budget plans, applying funding supporting from provincial and municipal authorities, regularly examining implementation of budget plans	2021-2030	Financial Division of the Research Academy of Yungang Grottoes	N/A
6.1.7	Human resources partly meet the management needs of the World Heritage property	According to the needs of heritage management, actively apply for human resources support from the higher-level cultural relics management department, and attract more people to participate in the heritage management of Yungang Grottoes.	2021-2030.	Personnel Department of Yungang Grottoes Research Academy.	None

8	Education, Information and Awareness Building				
8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the needs	Yungang Grottoes is an internship base for students from many domestic universities. In the future, more education and awareness-raising programs will be developed for children and/or young people to enhance their awareness of heritage protection.	2022-2030	Administration Office and Reception Group of Yungang Grottoes Research Academy.	None

9	Visitor Management				
9.9	Visitor use of the World Heritage property is managed but improvements could be made	Conservation Master Plan of Yungang Grottoes 2008-2025 offers planning for tourist management and use of the property. The Regulations of Datong City on the Protection and Management of Yungang Grottoes offers legal articles for management and use.	2021-2030	Administration Office and Security Department of Yungang Grottoes Research Academy.	None

10	Monitoring				
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	The Yungang Grottoes have relatively few monitoring indicators for management needs and/or improving the understanding of outstanding universal values. Special monitoring of the protection status will be further carried out in the future.	2021-2030	Heritage Monitoring Center and Security Department of Yungang Grottoes Research Academy.	None
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved	Yungang Grottoes have defined the monitoring indicators for the diseases and the preservation of the caves, but it is still necessary to explore and improve the content of the indicators. Special monitoring will be carried out in the future.	2021-2030	Heritage Monitoring Center of Yungang Grottoes Research Academy.	None

### Summary - Management Needs completed

#### 12.3. Conclusions on the State of Conservation of the Property

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

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.

The authenticity of the World Cultural Heritage Site of Yungang Grottoes has been protected, its integrity is also intact, its Outstanding Universal Value has been maintained, and its protection status has not been affected.

#### 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	Positive
Fostering inclusive local economic development and enhancing livelihood	Positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Positive
Other	Not applicable
If 'Other', please specify	

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

In the past ten years, great progress has been made in the research on the OUV of the World Heritage Yungang Grottoes. The protection of the Grotto continues to improve, the management of the heritage site has become more institutionalized, and the social benefits of the Yungang Grottoes have been increased through rational use. It has improved the living environment of local community residents, increased labor employment in the local community, and promoted local economic development.

### 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

The Shanxi Provincial Bureau of Cultural Relics organized experts to carry out the completion acceptance of the three projects, and the scores were all above 85 points, which were "excellent projects". These three projects are the continuation and improvement of the overall waterproofing and weathering engineering of Yungang Grottoes. They not only effectively strengthen the broken and dangerous rock mass and improve its stability, but also maintain the integrity of the cliff body and delay the weathering speed. The anti-seepage effect of the inner cave roof is remarkable.

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

State of Conservation
-----------------------

### 15. Assessment of the Periodic Reporting Exercise

#### 15.1. Relevance of Periodic Reporting

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

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

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

State Party	Good
Site Managers	Good
UNESCO World Heritage Centre	Good
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Good

### 15.2. Use of Data

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

Awareness raising
Advocacy

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

None

### 15.3. Timing and resources

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

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

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

Gender balance has been **explicitly considered** in the process **but there are still deficiencies in the implementation**.

#### 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

300 / 600 / 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

The explanation of each question could be clearer so that the regular report filling personnel can easily understand.

### 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)	Good
UNESCO National Commission	Good
ICOMOS International	Fair
IUCN International	Fair
ICCROM international/regional	Fair
ICOMOS national/regional	Fair
IUCN national/regional	Fair

#### 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)	Good
National Commission for UNESCO	Fair
ICOMOS International	Fair
ICCROM International/regional	Fair
ICOMOS national/regional	Fair
IUCN national/regional	Fair
IUCN International	Fair

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

No

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

We hope that there are more detailed online training resources, and we hope to have offline training sections focus on regular reporting.

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

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

• Map(s)

Reason for update: According to the requirements of the World Heritage Center, an updated map will be submitted soon.

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

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

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

Periodic reports have enhanced managers' understanding of world heritage managers on the authenticity, completeness, and OUV of world heritage. And they also made them pay more attention to value research, protection, and promotion.

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