

1. World Heritage Property Data

1.1 - Name of World Heritage Property

Grottes de Yungang

1.2 - World Heritage Property Details

State(s) Party(ies)

• Chine

Type of Property

culturel

Identification Number

1039

Year of inscription on the World Heritage List

2001


1.3 - Geographic Information Table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Grottes de Yungang	40.11 / 113.122	348.75	846.81	1195.56	2001
Total (ha)		348.75	846.81	1195.56	

Comment

E 113.7.20 N 40.6.35

1.4 - Map(s)

Title	Date	Link to source
Chart of the Protective Areas of Yungang Grottoes	29/06/2000	

1.5 - Governmental Institution Responsible for the Property

Comment

Organization : Shanxi Culture Relics Bureau Address : 33 Wenmiao Lane, Taiyuan City, Shanxi Province Post Code : 307006 Tel : 86+0351-4039518 Fax : 86+0351-4040644 E-mail : 345645806@qq.com

1.6 - Property Manager / Coordinator, Local Institution / Agency

• Zhang Zhuo
Yungang Grottoes Academy

Comment

Tel : 86--0352—3026818 Fax : 86--0352—3026818

1.7 - Web Address of the Property (if existing)

1. 1001merveilles.org : visitez ce site en [panophotographies - images à 360 x 180 degrés](#)

Comment

www.yungang.org

1.8 - Other designations / Conventions under which the property is protected (if applicable)

2. Statement of Outstanding Universal Value

2.1 - Statement of Outstanding Universal Value / Statement of Significance

Comment

The retrospective statement of OUV has been submitted to the World Heritage Center for examination before February 1st, 2011

2.2 - The criteria (2005 revised version) under which the property was inscribed

(i)(ii)(iii)(iv)

2.3 - Attributes expressing the Outstanding Universal Value per criterion

(i) the 252 grottoes, niches and statues of more than 51000, carving area amounts to 18000 square meters of Yungang grottoes . (ii)The early caves such as Five Caves of Tanyao, the middle stages Five Hua Caves. (iii)The 252 grottoes, niches and statues of more than 51000, carving area amounts to 18000 square meters. (iv)The Gandhara and Mathura art statues in Five Hua Caves of Yungang Grottoes

2.4 - If needed, please provide details of why the Statement of Outstanding Universal Value should be revised

No comment

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

No comment

3. Factors Affecting the Property













































































3.14. Other factor(s)

3.14.1 - Other factor(s)

none

3.15. Factors Summary Table

3.15.1 - Factors summary table

Name	Impact	Origin				
3.1	Buildings and Development					
3.1.5 Interpretative and visitation facilities	     					
3.3	Services Infrastructures					
3.3.1 Water infrastructure	     					
3.7	Local conditions affecting physical fabric					
3.7.1 Wind	    					
3.7.2 Relative humidity	    					
3.7.3 Temperature	    					
3.7.4 Radiation/light	    					
3.7.5 Dust	    					
3.7.6 Water (rain/water table)	    					
3.8	Social/cultural uses of heritage					
3.8.2 Society's valuing of heritage	     					
3.8.6 Impacts of tourism / visitor / recreation	    					
3.10	Climate change and severe weather events					
3.10.6 Temperature change	    					
3.11	Sudden ecological or geological events					
3.11.2 Earthquake	    					
3.11.6 Fire (wildfires)	    					
3.13	Management and institutional factors					
3.13.1 Low impact research / monitoring activities	     					
3.13.3 Management activities	     					
Legend	 Current	 Potential	 Negative	 Positive	 Inside	 Outside

3.16. Assessment of current negative factors

3.16.1 - Assessment of current negative factors

	Spatial scale	Temporal scale	Impact	Management response	Trend	
3.7	Local conditions affecting physical fabric					
3.7.6	Water (rain/water table)	widespread	on-going	significant	high capacity	static

3.17. Comments, conclusions and / or recommendations related to factors affecting the property

3.17.1 - Comments

no comment

4. Protection, Management and Monitoring of the Property

4.1. Boundaries and Buffer Zones

4.1.1 - Buffer zone status

There is a buffer zone

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

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

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

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

4.1.4 - Are the boundaries of the World Heritage property known?

The boundaries of the World Heritage property are known by both the management authority and local residents / communities / landowners.

4.1.5 - Are the buffer zones of the World Heritage property known?

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

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

no comment

4.2. Protective Measures

4.2.1 - 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.

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

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

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

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

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

The legal framework for the area surrounding the World Heritage property and the buffer zone provides **an adequate or better 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

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

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

4.2.6 - Comments, conclusions and / or recommendations related to protective measures

no comment

4.3. Management System / Management Plan

4.3.1 - Management System

Comment

Yungang Grottoes, as a major site to be protected at the national level, are protected by such pertinent laws and regulations in effect as the Law of the People's Republic of

China on the Protection of Cultural Relics and the Rules for the Implementation of the Law of the People's Republic of China on the Protection of Cultural Relics. The special agency of care and management, the Yungang Grottoes Academy, has adequate personnel and finance for the protection, research, and management.

4.3.2 - Management Documents

Comment

Conservation Master Plan of Yungang Grottoes

4.3.3 - How well do the various levels of administration (i.e. national / federal; regional / provincial / state; local / municipal etc.) coordinate in the management of the World Heritage Property ?

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

4.3.4 - 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

4.3.5 - Is the management system being implemented?

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

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

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

4.3.7 - Please rate the cooperation / relationship with World Heritage property managers / coordinators / staff of the following

Local communities / residents	Good
Local / Municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Good
Visitors	Good
Researchers	Good
Tourism industry	Good
Industry	Good

4.3.8 - If present, do local communities resident in or near the World Heritage property and / or buffer zone have input in management decisions that maintain the Outstanding Universal Value?

No local communities are resident in or living near the World Heritage property and / or buffer zone

4.3.9 - If present, do indigenous peoples resident in or regularly using the World Heritage property and / or buffer zone have input in management decisions that maintain the Outstanding Universal Value?

No indigenous peoples are resident in or regularly using the World Heritage property and / or buffer zone

4.3.10 - Is there cooperation with industry (i.e. forestry, mining, agriculture, etc.) regarding the management of the World Heritage property, buffer zone and / or area surrounding the World Heritage property and buffer zone?

There is **little or no contact** with industry regarding the management of the World Heritage property, buffer zone and / or area surrounding the World Heritage property and buffer zone

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

no comment

4.3.12 - Please report any significant changes in the legal status and / or contractual / traditional protective measures and management arrangements for the World Heritage property since inscription or the last Periodic report

no comment

4.4. Financial and Human Resources

4.4.1 - Costs related to conservation, based on the average of last five years (relative percentage of the funding sources)

Multilateral funding (GEF, World Bank, etc)	0%
International donations (NGO's, foundations, etc)	0%
Governmental (National / Federal)	15%
Governmental (Regional / Provincial / State)	15%
Governmental (Local / Municipal)	27%
In country donations (NGO's, foundations, etc)	0%
Individual visitor charges (e.g. entry, parking, camping fees, etc.)	40%
Commercial operator payments (e.g. filming permit, concessions, etc.)	2%
Other grants	1%

4.4.2 - International Assistance received from the World Heritage Fund (USD)

Comment

not applicable

4.4.3 - 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

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

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

4.4.5 - Does the World Heritage property provide economic benefits to local communities (e.g. income, employment)?

There is **some flow** of economic benefits to local communities

4.4.6 - Are available resources such as equipment, facilities and infrastructure sufficient to meet management needs?

There are **some** adequate equipment and facilities, but deficiencies in at least one key area **constrain** management at the World Heritage property

4.4.7 - Are resources such as equipment, facilities and infrastructure adequately maintained?

Equipment and facilities are **well maintained**

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

no comment

4.4.9 - Distribution of employees involved in managing the World Heritage property (% of total)

Full-time	70%
Part-time	30%

4.4.10 - Distribution of employees involved in managing the World Heritage property (% of total)

Permanent	90%
Seasonal	10%

4.4.11 - Distribution of employees involved in managing the World Heritage property (% of total)

Paid	95%
Volunteer	5%

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

A range of human resources exist, but these are **below optimum** to manage the World Heritage Property.

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

Research and monitoring	Good
Promotion	Good
Community outreach	Fair
Interpretation	Good
Education	Fair
Visitor management	Fair
Conservation	Good
Administration	Good
Risk preparedness	Good
Tourism	Fair
Enforcement (custodians, police)	Good

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

Research and monitoring	High
Promotion	Medium
Community outreach	Medium
Interpretation	Medium
Education	High
Visitor management	Medium

Conservation	High
Administration	High
Risk preparedness	Medium
Tourism	Medium
Enforcement (custodians, police)	High

4.4.15 - Do the management and conservation programmes at the World Heritage property help develop local expertise?

A capacity development plan or programme is **in place and fully implemented**; all technical skills are being transferred to those managing the property locally, who are assuming leadership in management

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

no comment

4.5. Scientific Studies and Research Projects

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

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

4.5.2 - 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

4.5.3 - Are results from research programmes disseminated?

Research results are **shared with local participants and some national agencies**

4.5.4 - Please provide details (i.e. authors, title, and web link) of papers published about the World Heritage property since the last Periodic Report

1. Five Decades on the Conservation of Yungang Grottoes, Cultural Heritage Press, 2005; 2. Selected Papers on Centennial Yungang Grottoes, Cultural Heritage Press, 2005; 3. Selected Papers at International Symposium on Yungang Grottoes in 2005, Cultural Heritage Press, 2007. 4. Conservation of Yungang Grottoes, Yuan Jinghu, Chinese Cultural Property Press, 2007.

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

We have been monitoring environment around the grottoes for many years. It turns out that the Yungang Grottoes are kept at relatively good environmental condition. Major problems include water damage, statue erosion and control of environment inside caves. The protection of Yungang

Grottoes has been greatly improved by probing the moisture source in the caves and controlling major damages

4.6. Education, Information and Awareness Building

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

In many locations and easily visible to visitors

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

Local communities / residents	Average
Local / Municipal authorities within or adjacent to the property	Excellent
Local Indigenous peoples	Not applicable
Local landowners	Excellent
Visitors	Excellent
Tourism industry	Excellent
Local businesses and industries	Average

4.6.3 - Is there a planned education and awareness programme linked to the values and management of the World Heritage property?

There is a planned education and awareness programme but it only partly meets the needs and could be improved

4.6.4 - What role, if any, has designation as a World Heritage property played with respect to education, information and awareness building activities?

World Heritage status has influenced education, information and awareness building activities, but it could be improved

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

The Outstanding Universal Value of the property is adequately presented and interpreted but improvements could be made

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

Visitor centre	Excellent
Site museum	Adequate
Information booths	Adequate
Guided tours	Excellent
Trails / routes	Excellent
Information materials	Adequate
Transportation facilities	Excellent
Other	Adequate

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

All kinds of publicity means have been applied to arouse the awareness of the public at large on the world heritage property at Yungang Grottoes. So far people have had a better knowledge on the world heritage.

4.7. Visitor Management

4.7.1 - Please provide the trend in annual visitation for the last five years

Last year	Decreasing
Two years ago	Minor Increase
Three years ago	Minor Increase
Four years ago	Minor Increase
Five years ago	Minor Increase

4.7.2 - What information sources are used to collect trend data on visitor statistics?

Entry tickets and registries
Tourism industry
Visitor surveys

4.7.3 - Visitor management documents

Comment
no comments

4.7.4 - Is there an appropriate visitor use management plan (e.g. specific plan) for the World Heritage property which ensures that its Outstanding Universal Value is maintained?

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

4.7.5 - Does the tourism industry contribute to improving visitor experiences and maintaining the values of the World Heritage property?

There is excellent co-operation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation

4.7.6 - If fees (i.e. entry charges, permits) are collected, do they contribute to the management of the World Heritage property?

The fee is collected and makes a substantial contribution to the management of the World Heritage property

4.7.7 - Comments, conclusions and / or recommendations related to visitor use of the World Heritage property

no comment

4.8. Monitoring

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

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

4.8.2 - Are key indicators for measuring the state of conservation used to monitor how the Outstanding Universal Value of the property is maintained?

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

4.8.3 - Please rate the level of involvement in monitoring of the following groups

World Heritage managers / coordinators and staff	Excellent
Local / Municipal authorities	Average
Local communities	Poor
Researchers	Excellent
NGOs	Average
Industry	Poor
Local indigenous peoples	Not applicable

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

No relevant Committee recommendations to implement

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

no comment

4.8.6 - Comments, conclusions and / or recommendations related to monitoring

no comment

4.9. Identification of Priority Management Needs

4.9.1 - Please select the top 6 managements needs for the property (if more than 6 are listed below)

Please refer to question 5.2

5. Summary and Conclusions

5.1. Summary - Factors affecting the Property

5.1.1 - Summary - Factors affecting the Property

	World Heritage criteria and attributes affected	Actions	Monitoring	Timeframe	Lead agency (and others involved)	More info / comment
3.7	Local conditions affecting physical fabric					
3.7.6	Water (rain/water table)	I.II.III.IV Water can affect the conservation of the statues. They can wide the cracks in the caves and make the surface of statues bad. In a word, water is the first vital destructive factor for the conservation of caves.	Grouting against seepage, change the direction of the overland flow.	Use cameras and videos to record the status of seepage in the caves.	continuous	Yungang Grottoes Academy no comment

5.2. Summary - Management Needs

5.2.2 - Summary - Management Needs

4.3 Management System / Management Plan						
	Actions	Timeframe	Lead agency (and others involved)	More info / comment		
4.3.10	There is little or no contact with industry regarding management	strengthen the communication and coolaboration with industry related to the conservation and restoration of grottoes' cultural heritage	mid-term	Yungang Grottoes Academy	no comment	

5.3. Conclusions on the State of Conservation of the Property

5.3.1 - Current state of Authenticity

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

5.3.2 - Current state of Integrity

The integrity of the World Heritage property has been **compromised** by factors described in this report

5.3.3 - Current state of the World Heritage property's Outstanding Universal Value

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

5.3.4 - Current state of the property's other values

Other important cultural and / or natural values are being **partially degraded** but the state of conservation of the World Heritage property has not been significantly impacted

5.4. Additional comments on the State of Conservation of the Property

5.4.1 - Comments

Regular inspections are made on the conservation of the World Heritage property, more research and conservation work will be implemented to solve the problems which arise.

6. World Heritage Status and Conclusions on Periodic Reporting Exercise

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

Conservation	Very positive
Research and monitoring	Very 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	Very positive
International cooperation	Positive
Political support for conservation	Very positive
Legal / Policy framework	Very positive
Lobbying	Positive
Institutional coordination	Positive
Security	Very positive
Other (please specify)	Not applicable

6.2 - Comments, conclusions and / or recommendations related to World Heritage status

With the help of governments at different levels, the special teams of the research and intervention for the conservation work have been installed at Yungang Grottoes. The conservation work are carried out at the site to ensure the effective conservation of the World Heritage property.

6.3 - Entities involved in the preparation of this Section of the Periodic Report

Governmental institution responsible for the property
Site Manager/Coordinator/World Heritage property staff
External experts
Advisory bodies

6.4 - Was the Periodic Reporting questionnaire easy to use and clearly understandable?

yes

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

no comment

6.6 - Please rate the level of support for completing the Periodic Report questionnaire from the following entities

UNESCO	Good
State Party Representative	Good
Advisory Body	Good

6.7 - How accessible was the information required to complete the Periodic Report?

Most of the required information was accessible

6.8 - The Periodic Reporting process has 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
Managing the property to maintain the Outstanding Universal Value
Monitoring and reporting
Management effectiveness

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

UNESCO	Satisfactory
State Party	Satisfactory
Site Managers	Excellent
Advisory Bodies	Satisfactory

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

- **Statement of Outstanding Universal Value / Statement of Significance**

Reason for update: The retrospective statement of OUV has been submitted to the World Heritage Center for examination before February 1st, 2011

- **Geographic Information Table**

Reason for update: E 113.7.20 N 40.6.35

6.11 - Comments, conclusions and / or recommendations related to the Assessment of the Periodic Reporting exercise

It's important and necessary.