

State of Conservation of World Heritage Properties

**Administrative Committee of Mount Huangshan Scenic Site
October 2002**

I.1. Introduction

001 State Party: People's Republic of China

002 Name of world heritage: Mount Huangshan Scenic Beauty and Historic Interest Site

003 In order to locate the property precisely, please attach a topographic map showing scale, orientation, projection, datum, site name, date and graticule. The map should be an original print and not be trimmed. The site boundaries should be shown on the map. In addition they can be submitted in a detailed description, indicating topographic and other legally defined national, regional, or international boundaries followed by the site boundaries.

The State Parties are encouraged to submit the geographic information in digital form so that it can be integrated into a Geographic Information System.

On this questionnaire indicate the geographical co-ordinates to the nearest second (in the case of large sites, towns, areas etc., give at least 3 sets of geographical co-ordinates):

Geographical co-ordinates: $118^{\circ} 01' -118^{\circ} 17' E$ and $30^{\circ} 01' -30^{\circ} 18' N$

Centre point: Lotus Peak, the highest peak at $118^{\circ} 11' E$ and $30^{\circ} 10' N$.

004 Date of inscription on the World Heritage List: Dec.16, 1990

005 Organisation(s) or entity(ies) responsible for the preparation of this report: Administrative Committee of Mount Huangshan Scenic Beauty Site

Person(s) responsible: Hu Xuefan

Address: Mount Huangshan Scenic Beauty Site

City and post code: 242709

Tel: 00-86-559-5569008

Fax: 00-86-559-5561132

E-mail: ahhs-gwh@sina.com

006 Date of preparation of the report: Aug.11, 2002

007 Signature on behalf of the State Party:

Signature:

Name: Hu Xuefan

Function: Secretary of the Party Committee and Deputy Director of the Administrative Committee of Mount Huangshan Scenic Beauty and Historic Interest Site

II. 2. Statement of significance

008 At the time of inscribing a property on the World Heritage List, the World Heritage Committee indicates its outstanding universal value(s), or World Heritage value(s), by deciding on the criteria for which the property deserved to be included on the World Heritage List. Circle the criteria retained for the inscription:

Cultural criteria: I - II -III-IV - V -VI

Natural criteria: I - II -III-IV

009 Were new criteria added by re-nominating and/or extending the property after the original inscription?

YES

NO ✓

010 If YES, please explain:

N/A

011 Please quote observations concerning the property made by the Advisory Body(ies) during the evaluation of the nomination:

① China has more than 20 forests, famous mountains, natural regions, conservation areas with oriental characteristics and Mount Huangshan stands out with its incomparable scenic beauty;

② Located at the center of artistic, cultural and environmental heritage and beautiful natural scenic site, Mount Huangshan's charm is enhanced by ancient Chinese art, literature, architecture and 64 temples;

③ The natural beauty and natural culture of Mount Huangshan are extraordinary in the world;

④ It should be inscribed on the World Heritage List.

012 Quote the decisions and observations / recommendations, if appropriate, made by the World Heritage Committee at the time of inscription and extension (if applicable):

The dual heritage property entered the World Heritage List on Dec. 16, 1990 in that:

1. It plays a critical role in the history of Chinese culture, literature and art (meeting cultural heritage criterion III);
 2. It has unique natural scenic beauty and aesthetic values (meeting natural heritage criterion IV);
 3. It's the natural habitat for a wide range of animal and plant resources including birds (meeting natural heritage criterion IV).
- Quoted from assessment conclusions of the UNESCO World Heritage Committee.

013 Identify the actions taken as follow-up to these observations and/or decisions:

- ① Completion of Huizhou-Hangzhou, Hefei-Tongling-Huangshan will greatly boost the number of tourists, which creates new pressure on the environmental carrying capacity, service facilities as well as resource protection and management. Therefore, the Administrative Committee of Mount Huangshan Scenic Beauty Site should make perspective studies on countermeasures;
- ② The compilation of the "Overall Planning of Mount Huangshan Scenic Beauty and Historic Interest Site" in the 80s is basically completed. However, some parts can't keep up with the current tourist development and shall be revised as soon as possible;
- ③ To gradually implement the "Sub-regional Tourist Control Plan", realize rational space-time dispersion of visitors and strongly promote new scenic spots and areas and spots and travel routes less attractive to tourists though offering orderly, organized and purposeful orientation;
- ④ To bring its advantages in talents, equipment and scientific research into full play, organize experts to formulate emergency plan for pine wood nematode and work out effective control measures;
- ⑤ To use remote sensing technology to establish automatic monitoring system at the scenic site;
- ⑥ To strengthen protection and management of natural resources in the neighboring areas under the leadership of Huangshan Municipal Government;
- ⑦ To establish long-term co-operation with UNESCO World Heritage Committee to seek operational guidance and technical and financial assistance;
- ⑧ To strictly control all major construction activities within the heritage property, demolish constructions damaging the view and further improve the environment at the scenic site.

014 Please propose a statement of significance by providing a description

of the World Heritage value(s) for which the property was inscribed on the World Heritage List. This description should reflect the criterion (criteria) on the basis of which the Committee inscribed the property on the World Heritage List and it should also detail what the property represents, what makes it outstanding, what the specific values are that distinguish the property as well as what its relationship with its settings is, etc.:

With many poems and paintings in admiration of the beauty of the heritage site, remains of ancient architecture, bridges, mountain passes, inscriptions on precipices as well as numerous witty and poetic names, the heritage property meets cultural criterion (III).

With geologic and stratum structure and glacier traces from the Quaternary Period high in scientific value, extraordinary land form of grotesque granite peaks featuring the “four wonders” of exotic pines, grotesque rocks, cloud seas and hot springs and abundant and rare biotic resources, the property fully meets natural criterion (IV).

Together with natural and cultural sights of neighboring areas, the heritage property becomes a most typical scenic site with remarkable universal values in the world.

015 For the extension of a property or the inclusion of additional criteria a re-submission of the property may be considered. This might be regarded as necessary in order to recognize cultural values of a natural World Heritage property, or vice-versa, become desirable following the substantive revision of the criteria by the World Heritage Committee or due to better identification or knowledge of specific outstanding universal values of the property. Should a re-nomination of the property be considered?

YES

NO ✓

016 If YES, please explain:

N/A

017 Are the borders of the World Heritage property and its buffer zone (still) adequate to ensure the protection and conservation of the property's World Heritage values:

YES ✓

NO

018 If NO, please explain why not, and indicate what changes should be made to the boundaries of the property and / or its buffer zone (please indicate these changes also on a map to be attached to this report):

NO

019 Is the State Party actively considering a revision of the property boundaries or the buffer zone?

YES

NO ✓

020 If YES, indicate what is being done to that end:

N/A

II.3. Statement of authenticity / integrity

021 Have the World Heritage values identified above been maintained since the property's inscription?

YES ✓

NO

022 If NO, please describe the changes and name the causes:

N/A

023 What was the evaluation of the authenticity / integrity of the property at the time of inscription? (Please quote from the ICOMOS / IUCN evaluation):

1. It plays a critical role in the history of Chinese culture, literature and art (meeting cultural heritage criterion III);
2. It has unique natural scenic beauty and aesthetic values (meeting natural heritage criterion IV);
3. It's the natural habitat for a wide range of animal and plant resources including birds (meeting natural heritage criterion IV).

024 Have there been changes in the authenticity / integrity since inscription?

YES

NO ✓

025 If YES, please describe the changes to the authenticity / integrity and name the main causes?

N/A

026 Are there (further) changes foreseeable to the authenticity / integrity of the property in the near future?

YES ✓

NO

027 If YES, please explain and indicate how these changes might affect the World Heritage values of the property:

The outstanding universal value of the heritage property has great

appeal to domestic and overseas tourists, who come to visit in increasingly greater numbers. Faced with the situation, the administrative body of the heritage property tries to control the number of tourists with economic and other means. At the same time, it also improves and constructs certain service facilities to meet basic demands of more tourists, which might bear potential influence on the values of the world heritage.

II.4. Management

028 How could the arrangements for the protection and the management of the property best be defined (more than one indication possible)?

Legal ()

Contractual ()

Traditional ()

029 Please describe and assess the implementation and effectiveness of these arrangements for the preservation of the values described under item II.2 at the national, provincial and/or municipal level:

① To formulate rules and policies related to the preservation and preserve its values by law;

② To complete the management system of the heritage property;

③ To draw valuable experiences from other domestic and overseas heritage properties and administer scientific management of the property based on objective laws and its own practical situation.

④ To set aside a special annual fund for protection and management of the property.

Implementation of the above-mentioned measures has resulted in remarkable achievements of the property.

030 In general terms, can this legislative, contractual and/or traditional protection be considered sufficient?

YES

NO

031 Please explain:

First of all, management by law ensures effective protection of the property with all activities standardized pursuant to relevant laws and regulations. Secondly, complete management system facilitates efficient and scientific operation of protection and management work of the property. Thirdly, drawing valuable experiences and basing on practical situation enable good control of its own protection and

management pattern. At last, sufficient fund ensures normal operation of different protection and management work.

032 Provide a list and summaries of laws and regulations concerning cultural and natural properties protection and management (including extracts of relevant articles from the Constitution, Criminal Law, Law/Regulations on Land-use, Environment Law and Forestry Law, amongst others). Please also attach any documentation available concerning these points:

Laws and regulations	Articles	Content
Constitution	Item 2, Article 9 Item 2, Article 22	The state protects rational exploitation of natural resources and protects rare animals and plants. No organization or individual shall encroach on or damage natural resources in any means. The state protects scenic spots and historical sites, valuable cultural relics and other important historical and cultural heritage.
Criminal Law	Item 2, Article 324	Individuals with serious intentional damage of scenic spots and historical sites under state protection shall be sentenced to imprisonment under 5 years or detention with/without a fine.
Law of Land-use	Article 2 Article 3	The People's Republic of China executes socialist state ownership, i.e. ownership by the whole people and collective ownership by laborers. To treasure, make rational use of land and protect arable land are our basic state policies.
Environmental Protection Law	Article 17Measures shall be taken to protect geologic structure with great scientific and cultural values, famous karst caves and fossil distributed areas, glacier traces, volcano and hot springs as well as cultural heritage, ancient and famed trees from any damage.
Forestry Law	Article 24	The Forestry Department under the State Council and People's Government at provincial, autonomous region and municipality levels shall define boundaries of natural reserves in typical forest eco-areas, forest habitats of rare animals and plants, natural tropical rain forest and other natural forests with special protection values for intensified protection and management.
Regulations on Management of Mount Huangshan Scenic Beauty and Historic Interest Site	Article 3	Natural sights such as landform, mountains, rocks, glacier traces, waterfalls, famed springs, creeks and other water bodies, vegetation, wildlife and special geological environment are all categorized as resources of scenic sites, and so are locations of cultural heritage such as historical relics, architectures, stone carvings and inscriptions.

033 Describe the administrative and management arrangements that are in place for the property concerned, making special mention of the institutions and organisations that have management authority over the property as well as of the arrangements that are in place for the

co-ordination of their actions:

- ① To formulate laws and regulations;
- ② To establish management structures with clear description of functions and supply them with professional staff and materials and equipment;
- ③ To formulate overall and special plans for protection and development of the property;
- ④ To set aside a special fund from profits for protection and management of the property;
- ⑤ To carry out regular general survey, monitoring and scientific research to seek out optimal ways for resource protection;
- ⑥ To actively promote public awareness on resource protection of the property and carry out extensive domestic and international exchange and co-operation;
- ⑦ The provincial and municipal governments execute effective instructions and supervision on the protection and management of the property, co-ordinate its relations with neighboring areas and other areas.

034 Please indicate under which level of authority the property is managed:

Property ()

Regional ()

National ()

Other (please describe):

035 Please provide the full name, address and phone/fax/e-mail of the entity(ies) directly responsible for the management (conservation, preservation, visitor management) of the property:

Full name: Administrative Committee of Mount Huangshan Scenic Beauty Site, Huangshan City, Anhui Province, China

Address: Mount Huangshan Scenic Beauty Site, Huangshan City, Anhui Province, China

Tel: 00-86-559-5562848

Fax: 00-86-559-5561132

Email: ahhs-gwh@sina.com

036 Is it necessary to revise the administrative and management arrangements for the property?

YES

NO ✓

037 If YES, explain why this is the case:

N/A

038 Is there a management plan for the property?

YES ✓

NO

039 If YES, please summarise, indicating if the plan is being implemented and since when:

Management plan:

- ① Protection of natural landform of the scenic site from any damage;
- ② Conservation of natural eco-environment of the scenic site for sustainable exploitation;
- ③ Protection of native species (endangered species in particular) from reduction or extinction;
- ④ Protection of cultural heritage and scenery resources from damage or destruction;
- ⑤ Rational exploitation and coordinated development of tourism and environment under the guidelines of conservation, coordination of natural resource protection and human demand and integration of artificial construction and natural landscape.

The plan was enacted in July 1987.

040 Please report on legal and administrative actions that are foreseen for the future, to preserve the values described under item II.2 (e.g. passing of legislation, adjusting administrative and management arrangements, implementing or drawing up of a (new) management plan, etc.):

The “Interim Regulations on Scenic Site Management” issued by the State Council and the “Regulations on Management of Mount Huangshan Scenic Site” newly revised by Anhui Provincial People’s Congress have been implemented.

041 Please provide detailed information, particularly in cases where changes have occurred since the inscription of the property, on the following matters:

Conservation

Make reference to all major interventions at the property and describe its present state of conservation:

- ① Protection and management system and structures are further completed. Moreover, the Provincial Government has established a

- special committee;
- ② Laws and regulations on protection of the protection are perfected;
 - ③ Environmental control is strengthened. Over recent years, a total of 7500 m² of different types of temporary constructions have been torn down and recovery measures of ecological environment have been taken;
 - ④ Biodiversity research is carried out and a conservation zone of Huangshan macaque has been established;
 - ⑤ Special research and interventions are undertaken on the protection of ancient and famed trees, forest fire control, pine wood nematode control. Active and effective measures are undertaken to deal with factors affecting the environment such as energy structural readjustment and garbage and sewage treatment.
 - ⑥ A number of new scenic spots are opened and some service facilities are improved in accordance with overall planning to accommodate greater number of tourists.

At present, the bio-factors constituting the property resources are stable, balanced and can basically maintain required “integrity” and authenticity.

042

Ownership

Make reference to all major changes in ownership of the property and describe the present state of ownership:

No change in ownership has taken place and the property is still owned by the state and run by the Administrative Committee of Mount Huangshan Scenic Beauty and Historic Interest Site.

043 Please give a detailed description of the staffing of the site:

Total number: 2700 persons

Management personnel: 281 persons

Technical staff: 318 persons

Regular staff: 601 permanent employees and 1500 temporary employees.

044 Is the staffing level sufficient for adequate management of the property? YES ✓ NO

045 If NO, what should be done to improve the situation?

N/A

046 Does the staff need additional training?

Yes ✓

No

047 If YES, what are the training needs for your staff?

To provide staff with various training sessions on resource protection, tourism, service skills, management, aesthetics, psychology, laws, safety and art based on their different posts. To provide on-the-job training for the management staff, invite professors from prestigious universities to give academic lectures or special seminars, select some staff to go abroad to study, receive further training and encourage all staff to participate in self-study examination, study by correspondence, study in universities and junior colleges so that they can meet qualifications of different posts.

048 Describe the funding and financial situation of the property, indication sources, level and regularity of financing:

Sources: mainly from incomes generated from tickets sold at the gate and businesses run by the administrative unit of the property.

Level: basically sufficient for regular protection and management expenses.

Regularity: allocated by the administrative committee annually with an overall consideration.

049 Is the available funding sufficient for adequate management of the property?

YES ✓

NO

050 If NOT, describe the financial resources that would be required for the management of the property:

N/A

051 Indicate International Assistance from which the property has benefited::

World Heritage Fund:

None

052

UNESCO International Campaign:

None

053

National and/or regional projects of UNDP, the World Bank or other agencies:

Loans are being applied for from Asian Bank.

054.

Bilateral co-operation:

Cooperative technical research on water resources and environmental management of Mount Huangshan by China and Finland;

055.

Other assistance:

The project of “Automatic Air Quality Monitoring System of Mount Huangshan Scenic Site” with loans from American Import and Export Bank has been approved by the state. At present, the property has passed justification procedures for national projects. The project will receive loans totaling US\$500,000 from American Import and Export Bank for equipment procurement and a supporting self-financed domestic fund of 2.38 million yuan.

056 Describe the IT (computer) equipment of the site and/or management office and assess its effectiveness:

Still at initial stage and the equipment’s due functions are yet to be fully developed.

057 Are you using (multiple indications are possible):

PC ()

Apple ()

Mainframe ()

058 Please, give the number of available computers:

About 100 sets

059 Does an operational access to the Internet exist?

YES

NO

060 Is e-mail used for daily correspondence?

YES

NO

061 Is there a Geographical Information System (GIS) for the site?

Yes

No

062 Is there a Geographical Information System (GIS) for the site?

N/A

063 List scientific studies and research programmes that have been conducted concerning the site:

1. Monitoring of eco-environmental factors;
2. Research on biodiversity;
3. Cooperative technical research on water resources and environmental management of Mount Huangshan by China and Finland;
4. Studies on pine wood nematode control;
5. Research on protection of famous pines and ancient trees;
6. Research on garbage disposal.

064 Describe financial and human resource inputs for the research programmes and or facilities:

Scientific research:

Survey on eco-factors

Research on environmental protection (air monitoring US\$50)

Scientific co-operation on water resource environment (with US\$150,000 invested and 30 persons involved)

Facility protection:

Pine wood nematode control (about US\$5 million for engineering measures, about US\$200,000 for annual operation, with about 100 person involved)

Forest fire control system (about US\$300,000 for annual operation, with 300 persons involved)

065 Describe how the information / results are disseminated?

Posted on the government statistic bulletin and publicized through the heritage publicizing and education center, self-promotion and news release.

066 Are there any visitor statistics for the site?

YES ✓

NO

067 If YES, please summarise the statistics and attach to this report:

Year	Total number (10,000 person-time)	Domestic tourists (10,000 person-time)	Overseas tourists (10,000 person-time)
1996	84.7	79.1	5.6
1997	107.8	97.6	10.2
1998	98.3	92.5	5.8
1999	119.1	112.7	6.4
2000	117.3	109.9	7.4
2001	134.4	127.1	7.3

Total	661.6	618.9	42.7
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068 What visitor facilities do you have at the property?

Publicizing and education center, accommodation facilities (hotels, guesthouses)

Transportation facilities (roads, mountain climbing passes and cable cars)

Supporting infrastructure facilities (water plant and power plant)

Environmental sanitation facilities (garbage and sewage treatment plant/station)

Business service facilities (tourist commodity stores)

Cultural service facilities (museum, art center and cable TV)

069 What visitor facilities are you in need of?

Network information center. Existing service facilities are in need of auxiliary equipment, improvement, updating.

070 Is a public use plan (tourism / visitor management plan) in existence for the property?

YES

NO ✓

071 If YES, please summarise, if NO explain if one is needed:

A public use plan is needed and the property is making a tourist plan for the property based on the tourist plan for neighboring areas and beyond.

072 Indicate how the property's World Heritage values are communicated to residents, visitors and the public (please attach examples of leaflets, videos, posters etc. and print-outs and/or the address of a web-page):

All of the above-mentioned means are adopted to communicate such values to residents, visitors and the public.

073 Are there educational programmes concerning the property aimed at schools?

YES ✓

NO

074 If yes, please describe:

The Chinese Government has listed the property as a base for patriotic education. Textbooks about Mount Huangshan have offered a better understanding of Mount Huangshan not only to students on campus, but also to readers from home and abroad.

075 What role does World Heritage inscription play for the site concerning the visitor number, the research programmes and/or the awareness building activities?

It leads to progressive increase in the number of tourists, facilitates scientific and research activities, greatly promotes public awareness of the property's exceptional values.

II.5. Factors affecting the property

076 Please comment on the degree to which the property is threatened by particular problems and risks, such as development pressure, environmental pressure, natural disasters and preparedness, visitor / tourism pressure, number of inhabitants. Also mention all other issues that you see as problematic:

- ① Natural hazards such as wind, thunder, rain and snow sometimes cause damage to trees, landslides and destruction of dams.
- ② Pine wood nematode threatens the safety of pine resources of Mount Huangshan.
- ③ Some negligent acts of a few tourists might cause damage to the tourist resources, including smoking which might cause forest fire, trampling on the vegetation beside the climbing pass and littering, etc..
- ④ Mount Huangshan is in relative shortage of water resources due to its special geographic condition and the problem gets worse in dry season, which poses great difficulty for forest fire control and fire fighting, as well as vegetation conservation.

077 Is there an emergency plan and / or risk preparedness plan for the property in existence?

YES ✓

NO

078 If YES, please summarise the plan and provide a copy:

It's a special plan but in lack of an overall disaster prevention plan (with one fire fighting draft plan).

079 If NO, describe what is being done – and by whom – to counteract the dangers that threaten or may threaten the property:

The administrative department of the property is constructing an information network system to improve monitoring ability and it's ready to formulate an overall plan to prepare the property for various kinds of threats.

080 Indicate areas where improvement would be desirable and/or towards which the State Party is working:

Improvement would be desirable in fields of scientific research and management, informationization, infrastructure, resource survey and monitoring and cultural dissemination and the property management department is exerting great efforts to make such improvement.

081 Give an indication if the impact of the factors affecting the property is increasing or decreasing:

Threats on the integrity and authenticity of the property are looming large due to additional visitor service facilities and additional management staff accommodating increased number of tourists.

082 What actions have been effectively taken, or are planned for the future, to address the factors affecting the property?

① We expand tourist area in a planned way based on the overall planning of the property to accommodate increased number of tourists. In addition, we control space-time distribution of tourists through economic means and develop new scenic spots and sights in neighboring areas and beyond of the property to diverge and disperse tourists. We plan to execute sub-regional tourist control plan in the property and raise tourist cost to reduce the number of tourists.

② To strictly control any construction of hotels in the scenic site. No new hotel has been constructed except some necessary reconstruction and renovation are undertaken on some old hotels with low fireproof rating or in disharmony with the environment. All renovation and reconstruction follow the principle of minimal land use to increase afforestation area.

③ To protect and do research on biodiversity and disseminate protection results to tourists.

④ To actively fight against pine wood nematode, establish bio-isolation areas and pine wood nematode monitoring and survey network at the scenic site.

II.6. Monitoring

083 If applicable, give details (e.g. dates, results, indicators chosen) of any previous periodic or reactive monitoring exercises of the property:

National standard is adopted in monitoring exercises of the Mount

Huangshan heritage

① Environmental air monitoring of Mount Huangshan Scenic Beauty and Historic Interest Site is made weekly and the monitoring point is located within the hot spring scenic spot.

Monitoring results of air quality of Mount Huangshan Scenic Site

Unit: mg/L

Monitored items	Annual average (mg/L)
TSP	0.047
NO _x	0.006
SO ₂	unavailable, lower than the detection limit

② Environmental quality of surface water of Mount Huangshan Scenic Site is monitored in three different periods, namely, low-water period, normal-water period, and high water period.

Monitoring results of environmental quality of surface water of Mount Huangshan Scenic Site

Unit: mg/L

Locations	Items	Annual average (mg/L)		Standard value (mg/L)	
		Item	Value	Item	Value
Gate of Mt. Huangshan	PH	PH	6.65	PH	6.5~8.5
	NH ₃ -N	NH ₃ -N	0.065	NH ₃ -N	0.5
	DO	DO	7.30	DO	6
	COD _{Mn}	COD _{Mn}	0.81	COD _{Mn}	4
	BOD ₅	BOD ₅	0.85	BOD ₅	3
Nine-dragon (Jiulong) Waterfall	PH	PH	6.80	PH	6.5~8.5
	NH ₃ -N	NH ₃ -N	0.07	NH ₃ -N	0.5
	DO	DO	7.92	DO	6
	COD _{Mn}	COD _{Mn}	0.93	COD _{Mn}	4
	BOD ₅	BOD ₅	1.35	BOD ₅	3
Songgu (Pine-Valley) Temple	PH	PH	7.04	PH	6.5~8.5
	NH ₃ -N	NH ₃ -N	0.12	NH ₃ -N	0.5
	DO	DO	8.99	DO	6
	COD _{Mn}	COD _{Mn}	0.72	COD _{Mn}	4
	BOD ₅	BOD ₅	1.1	BOD ₅	3
Diaoqiao Temple	PH	PH	7.09	PH	6.5~8.5
	NH ₃ -N	NH ₃ -N	0.30	NH ₃ -N	0.5
	DO	DO	8.78	DO	6
	COD _{Mn}	COD _{Mn}	0.57	COD _{Mn}	4
	BOD ₅	BOD ₅	0.80	BOD ₅	3

③ Sewage discharge of Mount Huangshan bears a direct impact on its overall environmental quality and is therefore monitored all year round. Monitoring results of sewage discharge of Mount Huangshan Scenic Site

Unit: mg/L

Monitored items	Annual average
PH	6.58~7.47
SS	8.0~32
NH ₃ -N	2.1~15
COD _{Cr}	20-71
BOD ₅	4~25.8

084 Is there a formal monitoring system established for the site?

YES

NO

085 If YES, please give details of its organisation:

In 1994, the Administrative Committee of Mount Huangshan Scenic Beauty and Historic Interest Site constructed an environmental monitoring station with an investment over one million yuan to meet the demand of resource protection and eco-environment protection work. The station monitors fluctuation of eco-environment factors regularly to understand their dynamic pattern, which provides basis for adoptions of more scientific and effective protection measures.

Monitoring structures and functions:

Functions: to supervise and inspect implementation of environmental protection laws and regulations, provide monitoring data on air quality, surface water quality and sewage treatment.

086 If not already in place, is the establishment of a formal monitoring system planned?

YES () NO ()

087 If YES, please outline the functioning of that system, taking into consideration the key indicators you will be asked to define below (see 089 / 090):

The environmental monitoring station of Mount Huangshan undertakes monitoring of major environmental factors such as sewage, surface water and environmental air quality as well as acceptance and monitoring of pollution treatment facilities.

088 Are there any indicators established for monitoring the state of conservation of the property?

YES

NO

089 If YES, please provide up-to-date information with respect to each of the key indicators established and/or used. Care should be taken to

ensure that this information is as accurate and reliable as possible, for example by carrying out observations in the same way, using similar equipment and methods at the same time of the year and day. Name and describe the key indicators for measuring the state of conservation of this property:

Major indicators adopted in monitoring:

① Environmental air quality standard (GB3095-1996)

Pollutants	Time of data collection	Concentration value limits		
		Grade I	Grade II	Grade III
SO ₂	Annual average	0.02	0.06	0.10
	Daily average	0.05	0.15	0.25
	Hourly average	0.15	0.50	0.70
Total Suspended Particle(TSP)	Annual average	0.08	0.20	0.30
	Daily average	0.12	0.30	0.50
NO ₂	Annual average	0.04	0.04	0.08
	Daily average	0.08	0.18	0.12
	Hourly average	0.12	0.12	0.24

② Environmental quality standard for surface water (GBZ1-1999)

Unit: mg/L

Standard / Class	Class I	Class II
Items		
Basic requirements	All water mass shall not contain the following unnaturally-formed substances: a. substances causing unpleasant deposit; b. unpleasant floating substances such as flakes, scum and grease, etc.; c. cloudiness causing unpleasant color and odor ; d. substances toxic, harmful or causing adverse physical reaction to human, animals and plants; e. substances susceptible to growth of unpleasant aquatic growth.	
PH	6.5~8.5	6.5~8.5
Dissolved oxygen (DO)	Saturation rate 90%	6
Ammonia nitrogen(NH ₃ -N)	≤0.5	0.5~1.0
Chemical Oxygen Demand (COD _{Cr})	Under 15	15
Five-day biological oxygen demand (BOD ₅)	Under 3	3

③ Comprehensive standard for sewage discharge (GB8978-1996)

Unit: mg/L

Pollutants	Class I standard	Class II standard
PH	6-9	6-9
Suspended substances (SS)	70	200
Five-day biological oxygen demand (BOD ₅)	30	60
Chemical Oxygen Demand (COD _{Cr})	100	150
Ammonia nitrogen	15	25

090 If NO indicators have been identified and / or used so far, please

define key indicators for future use in monitoring:

Indicators have been defined

091 Indicate which partners, if any, are involved or will be involved in the regular monitoring exercise:

N/A

092 Identify the administrative provisions for organizing the regular monitoring of the property:

- ① “Metrology Law of the People’s Republic of China”;
- ② State Environmental Protection Bureau: Technical Regulations on Environmental Monitoring;
- ③ State Environmental Protection Bureau: Procedures of Water and Waste Water Analysis;
- ④ State Environmental Monitoring Head Station: Environmental Water Quality Assurance Manual;
- ⑤ State Environmental Protection Bureau: Monitoring and Analysis Procedures for Air and Exhaust Air;
- ⑥ State Environmental Protection Bureau: Quality Assurance Manual of Environmental Air Monitoring;
- ⑦ Standard for Water Quality Sampling;
- ⑧ Technical Standard for Acceptance and Monitoring of Environmental Protection Facilities of Anhui Province;
- ⑨ Environmental Protection and Monitoring Procedures for Mount Huangshan Scenic Site

093 Describe what improvement the State Party foresees or would consider desirable in improving the monitoring system:

- ① change from manual monitoring to automatic monitoring;
- ② change from discontinuous monitoring to continuous monitoring.

094 In specific cases, the World Heritage Committee and/or its Bureau may have already examined the state of conservation of the property and made recommendations to the State Party, either at the time of inscription or afterwards. In such cases the State Party is requested to report on the actions that have been taken in response to the observations or decisions made by the Bureau or Committee. Give details, if applicable:

- ① To protect and manage the property by law and further consolidate the principle of “conservation first”;

- ② To launch promotional and educational activities to promote public awareness of protection;
- ③ To establish and improve management structures to execute scientific planning and management;
- ④ To rigorously enforce protection of forest vegetation and wildlife resources;
- ⑤ To intensify efforts on forest fire control and pine wood nematode control;
- ⑥ To demolish temporary constructions ruining the sight and improve the environment of the scenic site;
- ⑦ To complete and improve construction of infrastructures for garbage and sewage treatment pursuant to overall planning.

II.7. Conclusions and recommended actions

095 Please summarise the main conclusions regarding the state of the World Heritage values of the property (see items II.2. and II.3. above):

- ① With many poems and paintings in admiration of the beauty of the heritage site, remains of ancient architecture, bridges, mountain passes, inscriptions on precipices as well as numerous witty and poetic names, the heritage property meets natural criterion (III) .;
- ② With geologic and stratum structure and glacier traces from the Quaternary Period high in scientific value, extraordinary land form of grotesque granite peaks and abundant and rare biotic resources, the property fully meets natural criterion (IV).

096 Please summarise the main conclusions regarding the management and factors affecting the property (see items II.4. and II.5. above)

Management:

- ① Upholding the principle of “conservation first” and following the guidelines of “rigorous protection, unified management, rational development and sustainable exploitation”, Mount Huangshan Scenic Beauty and Historic Interest Site has handled the relationship between protection and exploitation in a scientific and rational way;
- ② With great attention and support from government at state, provincial and municipal levels, Mount Huangshan Scenic Beauty and Historic Interest Site has become a model of heritage property protection and management in China and in Asia;
- ③ Based on existing national protection laws and its experiences

accumulated in management practices, Mount Huangshan has established different rules and regulations to meet different needs in management, forming a complete set of laws and regulations for management work to go by;

④ With a highly efficient management system with clear division of responsibilities among different structures, Mount Huangshan administers integrated multi-level management;

⑤ Mount Huangshan has a highly qualified management team with strong sense of responsibility, which facilitates improvement on overall management level;

⑥ Mount Huangshan adopts different administrative, legal, economic and scientific approaches in management with scientific and effective conservation measures high in technical content;

⑦ Mount Huangshan has a diversified tourist industry generating favorable economic benefits, which ensures continuous protection fund for the property.

Factors affecting the property:

With an eco-environment with sustainable development and an intact ecosystem, as well as exceptional protection and management of the property, Mount Huangshan also faces the following natural and artificial factors affecting the property:

① Natural hazards such as wind, thunder, rain and snow sometimes cause damage to plants, soil erosion and landslide, etc.;

② Natural phenomena (such as thunder stroke) and human activities increase fire hazards;

③ Natural and artificial spreading of pine wood nematode threatens the safety of pine resources of Mount Huangshan;

④ Negligent acts of tourists bear an adverse effect on resource protection;

⑤ Relative shortage of water resources brings multiple adverse effects.

097 Give an overview over proposed future action / actions:

① With China's tourist industry booming, accelerated construction of tourist and transportation facilities in Huangshan City and Anhui Province, Mount Huangshan is gaining greater popularity and more tourists are expected to visit Mount Huangshan. This will create new pressure on environmental carrying capacity, service facilities as well as resource protection and management. Therefore, the Administrative Committee of Mount Huangshan Scenic Beauty

- Site should make perspective considerations on countermeasures;
- ② Protection, management, development and construction tasks stated in the “Overall Planning of Mount Huangshang Scenic Beauty Site” compiled in the 80s have been basically fulfilled. The “Overall Planning of Mount Huangshang Scenic Beauty Site” shall be revised pursuant to the new situation of protection, management and exploitation.
 - ③ The “Sub-regional Tourist Control Plan” shall be executed at the earliest opportunity to realize scientific organization of tourist activities and a balance between tourist activities and protection;
 - ④ To intensify control of pine wood nematode, organize experts to draft work plan to fight against pine wood nematode and find out effective prevention and remedial measures;
 - ⑤ To establish automatic monitoring system for resource protection with remote sensing technology;
 - ⑥ Under the leadership of Huangshan Municipal Party Committee and Municipal Government, as well as instructions from administrative department of the scenic site, to strengthen protection and management of cultural and natural resources in the neighboring areas pursuant to the “Overall Planning of Mount Huangshang Scenic Beauty and Historic Site” and “Regulations on Management of Mount Huangshan Scenic Beauty and Historic Site”;
 - ⑦ To establish a long-term cooperation system with UNESCO World Heritage Committee to actively seek operational guidance and technical and financial assistance.

098 Name the agency responsible for implementation of these actions (if different from 005):

The Administrative Committee of Mount Huangshan Scenic Site and its affiliated management departments of forest, resources, planning, environmental protection and construction take respective responsibilities for the above-mentioned implementations.

099 Give a timeframe for the implementation of the actions described above:

2002-2005, to implement items ①②④⑥;

2005-2010, to implement items ③⑤⑦.

100 Indicate for which of the planned activities International Assistance from the World Heritage Fund may be needed (if any):

- ① Control techniques for pine wood nematode;

- ② Biological control techniques for plant diseases and insect pests;
- ③ Advanced technology and equipment for innocent treatment of domestic garbage and sewage;
- ④ Automatic resource monitoring technology and equipment;
- ⑤ International grants and assistance from resource protection fund.

101 Are there any contacts with management units of other properties within or outside your country?

YES ()

NO ()

102 If YES, please explain:

- ① To keep active contact with UNESCO, participate in activities organized by UNESCO, and receive frequent instructions and assistance from UNESCO;
- ② To undertake protection and management work of the property earnestly under the instruction and support of heritage administrative structure of the Chinese Government;
- ③ To participate in annual China World Heritage Workshop to exchange management experiences with other heritage properties;
- ④ To actively attend technical events of protection and management held by other domestic heritage properties.

103 Please indicate which experience made during the periodic reporting exercise and/or during the on-going conservation / protection efforts of the property could be shared with other States Parties dealing with similar problems or issues:

The property can share its experience in heritage conservation with other States Parties, particularly in resource conservation, forest protection and fire prevention, environmental sanitation, and control techniques for plant diseases and insect pests.

104 Provide the name(s) and address(es) of organization(s) or specialist(s) who could be contacted for this purpose:

Agency / Organisation: Administrative Committee of Mount Huangshan Scenic Beauty Site

Person responsible: Wang Guopei

Address: Mount Huangshan Scenic Site, Huangshan City, Anhui Province, China

City and post code: 242709

Tel: 00-86-559-5562258

Fax: 00-86-559-5561132

Email: ahhs-gwh@sina.com

II.8. Assessment of the Periodic Reporting exercise for Section II

105 Was sufficient and adequate information made available to the responsible authorities and individuals during the preparation phase of the Periodic Reporting exercise (information given, meetings etc.)?
Quite sufficient.

106 Was the questionnaire clear and did it help to comply with the reporting requirements of the State Party?
Quite clear and helpful.

107 What are the perceived benefits and lessons learnt of the exercise?

- ① It helps the State Party to make proper assessment on its implementation of the “World Heritage Conventions”
- ② It enables State Parties and heritage properties to exchange management experiences and establish cooperation, learn from one another and seek joint benefits;
- ③ It helps decision makers of properties to timely sum up their experiences and lessons learned in management practices so as to make improvement;
- ④ It facilitates and advances follow-ups of different protection and management work;
- ⑤ It helps to motivate all forces within the heritage property to participate and consolidate protection and management of the property;
- ⑥ It helps to boost management level and sense of responsibility of property managers.

108 Please describe the expected outcome of the Periodic Reporting exercise and the desired follow-up by the World Heritage Committee:
To timely summarize experiences and inadequacies in protection and management process through periodic report exercise, find out more scientific and rational improvement measures, enhance experience exchanges and cooperation with other heritage properties and advance the progress of protection and management of the property.
We hope the World Heritage Committee will make more specific requirements and more detailed standards for the Periodic Report.

II.9. Documentation attached

1. Maps and plans showing the general location of the property, its boundary and buffer zone as well as the necessary detail of the property itself.
2. Photo of the property
3. Illustrations of the state of conservation of the site (photographs, slides and, if available, film/videos)
4. Details of the important aspects of the property (landscapes, animal and vegetable species, monuments etc.)
5. Photos illustrating the main threats to the site and its surroundings
6. Extracts of relevant laws and regulations concerning the protection of cultural and natural heritage at national, provincial and municipal levels
7. Copies of the management plan of the site as well as extracts and/or copies of other plans relating to the site (e.g. emergency plan, use plan, etc.)
8. Indicative bibliography