### 1. World Heritage Property Data

### 1.1 - Name of World Heritage Property

Hierapolis-Pamukkale

### 1.2 - World Heritage Property Details State(s) Party(ies)

Turkey

### Type of Property

mixte

#### **Identification Number**

### Year of inscription on the World Heritage List

1988

### 1.3 - Geographic Information Table

		Property (ha)		Total (ha)	Inscription year
Hierapolis- Pamukkale	37.924 / 29.123	1077	0	1077	1988
Total (ha)		1077	0	1077	

### 1.4 - Map(s)

Title	Date	Link to source
Hierapolis-Pamukkale	15/01/2010	CES

### 1.5 - Governmental Institution Responsible for the **Property**

### Comment

Ministry of Environment and Urbanisation Ministry of Culture and Tourism Governorship of Denizli Metropolitan Municipality of Denizli

### 1.6 - Property Manager / Coordinator, Local Institution / Agency

Seda Duzcu

Ministry of Culture and Tourism

Urban Planner

General Directorate of Cultural Heritage and Museums

Ministry of Culture and Tourism Seda Duzcu City Planner General Directorate of Cultural Heritage and Museums Kültür Varlıkları ve Müzeler Genel Müdürlüğü II. Meclis ULUS/ANKARA 06100 ANKARA Turkey Telephone: +90.312.5086131 Fax: +90.312.5086115 Email: seda.duzcu@kulturturizm.gov.tr

### 1.7 - Web Address of the Property (if existing)

- View photos from OUR PLACE the World Heritage collection
- Hierapolis-Pamukkale 2.
- Natural site datasheet from WCMC 3.
- Turkey on the World Heritage List 4.

### Comment

http://www.ourplaceworldheritage.com/custom.cfm?action=W Hsite&whsiteid=485

http://www.goturkey.com/tr/pages/content/1874/denizlihierapolis-pamukkale

http://www.pamukkale.gov.tr/tr/content.asp?id=584

### Section II-Hierapolis-Pamukkale

- 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
- 2.2 The criteria (2005 revised version) under which the property was inscribed (iii)(iv)(vii)
- 2.3 Attributes expressing the Outstanding Universal Value per criterion
- 2.4 If needed, please provide details of why the Statement of Outstanding Universal Value should be revised
- 2.5 Comments, conclusions and / or recommendations related to Statement of Outstanding Universal Value
- 3. Factors Affecting the Property
- 3.14. Other factor(s)

### 3.14.1 - Other factor(s)

Each thermal well dug in the surrounding area of the archaeological and natural site affects the travertines at the

### 3.15. Factors Summary Table

### 3.15.1 - Factors summary table

	Name	Impa	act		C	Origin
3.1	Buildings and Development				•	
3.1.1	Housing			E		. C
3.1.4	Major visitor accommodation and associated infrastructure	0		<b>A</b>		F
3.1.5	Interpretative and visitation facilities	0		A	<	•
3.2	Transportation Infrastructure					
3.2.1	Ground transport infrastructure	<b>(1)</b>		Ą	9	9 (5
3.3	Services Infrastructures		!			
3.3.1	Water infrastructure	0		Ą	<	9 (5
3.3.4	Localised utilities			A		F
3.4	Pollution					
3.4.2	Ground water pollution			Ą	<	•
3.6	Physical resource extraction		!			
3.6.2	Quarrying			Ą		C
3.7	Local conditions affecting physical fabric					
3.7.6	Water (rain/water table)	0		Ą	<	<b>.</b>
3.7.8	Micro-organisms	0		Ŋ	(	9 (5
3.8	Social/cultural uses of heritage		!			•
3.8.1	Ritual / spiritual / religious and associative uses	0		Ą	9	9 (5
3.8.2	Society's valuing of heritage	0		Ą	<	9 <b>(</b>
3.8.4	Changes in traditional ways of life and knowledge system	0		Ŋ		F
3.8.5	Identity, social cohesion, changes in local population and community	0		<b>A</b>		F
3.8.6	Impacts of tourism / visitor / recreation			A	<	•
3.9	Other human activities	<u>'</u>				
3.9.1	Illegal activities			M	9	. <b>E</b>
3.11	Sudden ecological or geological events	<u>'</u>				
3.11.2	Earthquake				9	<b>.</b>
3.13	Management and institutional factors		<b>'</b>			
3.13.1	Low impact research / monitoring activities	<b>(3)</b>		E)	<	•
3.13.3	Management activities	0		M	<	9 (5
Legend	Current Potential Negative Positive Inside		76	Outsi		

### 3.16. Assessment of current negative factors

### 3.16.1 - Assessment of current negative factors

		Spatial scale	Temporal scale	Impact	Management response	Trend
3.1	Buildings and Development					•
3.1.1	Housing	restricted	on-going	minor	medium capacity	static
3.3	Services Infrastructures					
3.3.4	Localised utilities	restricted	on-going	minor	low capacity	static
3.4	Pollution					
3.4.2	Ground water pollution	restricted	one off or rare	minor	low capacity	static
3.6	Physical resource extraction					
3.6.2	Quarrying	restricted	on-going	minor	low capacity	increasing
3.8	Social/cultural uses of heritage					
	Impacts of tourism / visitor / recreation	localised	on-going	significant	low capacity	increasing
3.9	Other human activities					

### Section II-Hierapolis-Pamukkale

	Spatial scale	Temporal scale		Management response	Trend
3.9.1 Illegal activities	restricted	intermittent or sporadic	minor	medium capacity	static

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

#### 3.17.1 - Comments

The main factors affecting the property are; the high number of tourists, particularly threatened is the thermal pool through biological pollution and constant erosion of the ancient Roman marble remains, illegal constructions in Ören Neigbourhood, quarrying activities and illegal excavations in the surrounding area of the site and household sewage/waste leading to ground water pollution.Denizli Provincial Directorate of Environment and Urbanism plans to move Ören Neighbourhood to another area.

# 4. Protection, Management and Monitoring of the Property

### 4.1. Boundaries and Buffer Zones

#### 4.1.1 - Buffer zone status

There is no buffer zone, but there is a need for one

# 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 **do not limit** the ability to maintain the property's Outstanding Universal Value but they could be improved

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

The property had no buffer zone at the time of its inscription on the World Heritage List

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

The boundaries of the World Heritage property are known by the management authority but **are not known by local residents / communities / landowners.** 

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

The property had **no buffer zone** at the time of its inscription on the World Heritage List

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

The buffer zone should include Pamukkale and Karahayıt towns and the boundaries of the 'Special Environmental Protection Area' should be taken into consideration when designating it.

### 4.2. Protective Measures

# 4.2.1 - Protective designation (legal, regulatory, contractual, planning, institutional and / or traditional)

As a "First Degree Archaeological Site", the site is subject to the Conservation Legislation.

### Section II-Hierapolis-Pamukkale

In 1990, the site and the related protected zone were approved as a "Protected Special Area" according to the Environment Law. The Pamukkale Conservation Plan was approved and is carried out since 1992.

The existing protection arrangements are considered highly effective.

### Periodic Reporting Cycle 1 (2001-2006) Section 2

Source: Periodic Reporting Cycle 1 (2001-2006) Submitted on Monday, November 28, 2005

#### Question 6.02

As being declared as a "First Degree Archaeological Site", the site is subjected to Conservation Legislation. Also, in 1990 the site and the related protected zone were approved as a "Protected Special Area" according to Environment Law. Pamukkale Conservation Plan was approved and carried out since 1992.

#### Comment

Hierapolis-Pamukkale is subject to the National Conservation Law (No: 2863) as being the 1st and the 2nd Degree Archaeological and the 1st Degree Natural Site.In 1990, the site was registered as 'Special Environmental Protection Area'. The responsibility for managing and conserving the property is shared by the national government (The Ministry of Culture and Tourism and The Ministry of Environment and Urbanism) and the local government. Conservation Plan was approved in 1991 and revised in 2002

# 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?

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

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 property had **no buffer zone at the time of inscription** on the World Heritage List

# 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?

An adequate legal framework exists for the area surrounding the World Heritage property and the buffer zone, but there are some deficiencies in its implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and / or Integrity of the property

# 4.2.5 - Can the legislative 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 remain

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

6 hotels and the structures around the thermal pool threatening the site have been demolished. Entry of the

private vehicles into the site has been forbidden except for emergencies and public transportation has been provided for visitors, the road passing through the south-eastern travertine terraces has been closed; visitor routes and information panels have been provided within the site. Visitor access to the travertine terraces has been prohibited in order to protect travertine terraces.

### 4.3. Management System / Management Plan

### 4.3.1 - Management System

A Steering Group was set up in 2000, in order to coordinate the implementation of the Development and Conservation Plan, and act as an advisory body for presentation and management of the site.

Within the framework of the revised Conservation Legislation put into force in 2004, the preparation of a management plans for the World Heritage Site is considered a priority. There is no full-time site manager/coordinator, although one would be needed.

The current management system is considered sufficiently effective.

### Periodic Reporting Cycle 1 (2001-2006) Section 2

Source: Periodic Reporting Cycle 1 (2001-2006) Submitted on Monday, November 28, 2005

#### Question 5.02

Stering group or similar management committee has been set up to guide the management of the site

#### Question 5.03

Set up date: 2000

**Function:** Coordination for implementation of Development and Conservation Plan, advisory body for presentation and management of the site.

**Mandate:** within the scope of World Bank Cultural Heritage and Community Development Project 2000-2002. According to recised conservation legislation put into force in 2004, this issue will be reconsidered. (see Annex)

Constituted: formal
• Question 5.05

Overall management system of the site

o Management by the State Party

Management under protective legislation

Management under contractual agreement

between the State Party and a third party

### Comment

There is no site manager although needed. The Italian excavation team has specified policies for a management plan which includes conservation, accessibility, visitor and risk management issues. The Association of Turkish Travel Agencies (TURSAB) carries out the landscaping, security, cleaning and shuttle services at the site. The management task of the thermal pool and the commerce areas has been given to Bilkent Tourism Construction Investment and Trading Company (BILINTUR) on behalf of TURSAB.

### 4.3.2 - Management Documents

Title	Status	Available		Link to source
Pamukkale (Hierapolis) Preservation and Development Plan and the International Workshop on Pamukkale	N/A	Available	01/01/1992	œ

### Section II-Hierapolis-Pamukkale

#### Comment

Pamukkale (Hierapolis) Preservation and Development Plan and the International Workshop on Pamukkale (1992) Community Development and Heritage Project Environmental Management Plan (2002)

# 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 coordination between the range of administrative bodies / levels involved in the management of the property **but it could be improved** 

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

  No management system / plan is currently in place to maintain the property's Outstanding Universal Value
- **4.3.5 Is the management system being implemented?**The management system is **only partially** being implemented

### 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	Poor
Local / Municipal authorities	Fair
Indigenous peoples	Not applicable
Landowners	Poor
Visitors	Poor
Researchers	Fair
Tourism industry	Fair
Industry	Not applicable

### 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?

Local communities have **some input** into discussions relating to management but no direct role in management

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

# 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

The Site Management Directorate within the Special Provincial Administration of Denizli was the main body which was responsible for the conservation and management of the site between 2006 and 2013. In 2014, the Association of Turkish Travel Agencies (TURSAB) took over the management of the site which includes landscaping, security, cleaning and shuttle services. The management task of the thermal pool and the commerce areas has been given to BILINTUR on behalf of TURSAB.

### 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)	25%
Governmental (Regional / Provincial / State)	0%
Governmental (Local / Municipal)	70%
In country donations (NGO's, foundations, etc)	0%
Individual visitor charges (e.g. entry, parking, camping fees, etc.)	0%
Commercial operator payments (e.g. filming permit, concessions, etc.)	0%
Other grants	5%

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

Title	Year	Amount	Link to source
Contribution to a workshop to discuss the management plan of Hierapolis-Pamukkale (Denizli, Turkey, 30 June-05 July 1991)	1991	20000.00	B
Total		20000	

### 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 mediumterm and planning is underway to secure funding in the longterm

# 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 adequate equipment and facilities

### Section II-Hierapolis-Pamukkale

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

There is basic maintenance of equipment and facilities

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

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

, (,,,,,	
Full-time	100%
Part-time	0%

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

Permanent	100%
Seasonal	0%

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

Paid	100%
Volunteer	0%

## 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	Fair
Promotion	Fair
Community outreach	Non-existent
Interpretation	Poor
Education	Fair
Visitor management	Fair
Conservation	Fair
Administration	Fair
Risk preparedness	Fair
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

Low
Low
Medium
Medium
Low
Not available

# 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 **partially implemented**; some technical skills are being transferred to those managing the property locally **but most of the technical work is carried out by external staff** 

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

### 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 widely** with the local, national and international audiences

# 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

F. D'Andria, II santuario e la tomba dell'Apostolo Filippo a Hierapolis di Frigia, in Rendiconti della Pontificia Accademia Romana di Archeologia LXXXIV, 2011/2012, pp. 3-52. F. D'Andria, II Ploutonion a Hierapolis di Frigia, in Istanbuler Mitteilungen 2013, 157-217. F. D'Andria, Cehennem'den Cennet'e Hierapolis ( Pamukkale). Ploutonion. Aziz Philippus'un Mezari ve Kutsal Alani, Istanbul 2014.

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

# 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, but not 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

	<u>-                                      </u>
Local communities / residents	Poor
Local / Municipal authorities within or adjacent to the property	Average
Local Indigenous peoples	Not applicable

### Section II-Hierapolis-Pamukkale

Local landowners	Poor
Visitors	Average
Tourism industry	Average
Local businesses and industries	Poor

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

There is **no education and awareness programme**, despite an identified need

# 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	Poor
Site museum	Adequate
Information booths	Adequate
Guided tours	Adequate
Trails / routes	Adequate
Information materials	Adequate
Transportation facilities	Adequate
Other	Not needed

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

A number of scenarios could be developed regarding the routes. An audio-visual guidance service could be given at the site. The World Heritage emblem should be used with the UNESCO logo on the information panels at the site.

### 4.7. Visitor Management

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

Last year	Minor Increase
Two years ago	Decreasing
Three years ago	Major Increase (100%+)
Four years ago	Static
Five years ago	Decreasing

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

Fntry tick	ets and red	nistries		

Monday, October 13, 2014 (8:43:13 PM CEST)

### 4.7.3 - Visitor management documents

### 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 limited 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

The main threat to the integrity of the site is the high number of tourists. Particularly threatened is the thermal pool, where thousands of tourists could swim between the ancient columns and marble architectural decorations. This has led to biological pollution and constant erosion of the ancient Roman marble remains. On the other hand, some negative features of mass tourism could be avoided by placing the vendors outside the site at the entrances.

### 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 a small amount of monitoring, but it is not planned

### 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 to define key indicators, but this has not been done

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

World Heritage managers / coordinators and staff	Average
Local / Municipal authorities	Average
Local communities	Non-existent
Researchers	Average
NGOs	Poor
Industry	Not applicable
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

### Section II-Hierapolis-Pamukkale

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

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

The illegal constructions in Ören Neighbourhood, the quarrying activities and illegal excavations taking place in the surrounding area of the archaeological and natural site and the high number of tourists visiting the site and using the thermal pool require continuous monitoring.

### 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
3.1	Buildings and I	Development	l.	ı		L	· ·
3.1.1	Housing	(iv)	Denizli Provincial Directorate of Environment and Urban Planning plans to move Ören Neighbourhood to another area and they have found a place for this purpose.	-	-	Denizli Provincial Directorate of Environment and Urban Planning (lead agency) Ministry of Culture and Tourism	Illegal constructions in Ören Neighbourhood can damage the landscape around the Martyrion of St. Philip. The judicial process continues for the demolition of some of the illegal constructions at the site.
3.3	Services Infras	ı	1	T			T
3.3.4	Localised utilities	(iii), (iv) and (vii)	-	-	-	-	The cell phone tower which is located on a hill overlooking the site has a negative effect on the perception of the archaeological landscape. This issue will be dealt with in the near future.
3.4	Pollution						
3.4.2	Ground water pollution	(vii)	-	-	-	-	Household sewage/waste is the main factor which leads to ground water pollution. This issue will be dealt with in the near future.
3.6	Physical resou	rce extraction					
3.6.2	Quarrying	(iii), (iv) and (vii)	-	-	-	-	Quarrying activities which take place in the surrounding area of the archaeological and natural site are potentially dangerous for the landscape. This issue will be dealt with in the near future.
3.8	Social/cultural	uses of heritage					
3.8.6	Impacts of tourism / visitor / recreation	(iii), (iv) and (vii)	-	-	-	-	The main threat to the integrity of the site is the high number of tourists, particularly threatened is the thermal pool where biological pollution and constant erosion of the ancient Roman marble remains take place. This issue will be dealt with in the near future.
3.9	Other human a		1	1			I
3.9.1	Illegal activities	(iii), (iv) and (vii)	-	-	-	-	There are illegal constructions in Ören Neighbourhood which threatens the site. Besides, there is a widespread activity of illegal excavations in the surrounding area of the site. These issues will be dealt with in the near future.

### Section II-Hierapolis-Pamukkale

### 5.2. Summary - Management Needs

### 5.2.2 - Summary - Management Needs

4.1 Bo	undaries and Bu	ffer Zones			
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
4.1.1	There is a need for a buffer zone	The boundaries of the buffer zone will be designated.	-	Ministry of Culture and Tourism Ministry of Environment and Urbanisation	The buffer zone should include Pamukkale and Karahayıt towns and the boundaries of the 'Special Environmental Protection Area' should be taken into consideration when designating it.
4.1.2	Boundaries could be improved	The boundaries of the World Heritage Site will be examined.	-	Ministry of Culture and Tourism Ministry of Environment and Urbanisation	-
4.3 Ma	nagement Syste	m / Management Plan			
4.3.4	No management system / plan is currently in place	Management plan will be prepared.	-  -	Ministry of Environment and Urbanisation (lead agency)	-
4.6 Ed	ucation, Informat	tion and Awareness Building	·	·	·
4.6.3	There is no education and awareness programme	-	-		This issue will be dealt with in the near future.
4.8 Mo	nitoring				
4.8.1	Some monitoring, but it is not planned	-	-	-	This issue will be dealt with in the near future.
4.8.2	Key indicators have not been defined	-	-	-	This issue will be dealt with in the near future.

### Section II-Hierapolis-Pamukkale

# 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 is intact

### 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 and the state of conservation of the World Heritage property are **predominantly intact** 

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

#### 5.4.1 - Comments

### 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	
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
Lobbying	No impact
Institutional coordination	Positive
Security	Very positive
Other (please specify)	Not applicable

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

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

Governmental institution responsible for the property
Advisory bodies

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

no

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

### 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	Not Applicable
Advisory Bodies	Satisfactory

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

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