1. World Heritage Property Data

1.1 - Name of World Heritage Property
Archaeological Ensemble of the Bend of the Boyne

Comment
Following the World Heritage Committee meeting in June 2013 the name of the World heritage site has been changed to "Brú na Bóinne - Archaeological Ensemble of the Bend of the Boyne" as this gives expression to the name of the site in Irish, the State Party's first official language.

1.2 - World Heritage Property Details
State(s) Party(ies)
• Ireland
Type of Property cultural
Identification Number 659
Year of inscription on the World Heritage List 1993

1.3 - Geographic Information Table

<table>
<thead>
<tr>
<th>Name</th>
<th>Coordinates (longitude / latitude)</th>
<th>Property (ha)</th>
<th>Buffer zone (ha)</th>
<th>Total (ha)</th>
<th>Inscription year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archaeological Ensemble of the Bend of the Boyne</td>
<td>53.692 / -6.45</td>
<td>770</td>
<td>2560</td>
<td>3330</td>
<td>1993</td>
</tr>
<tr>
<td>Total (ha)</td>
<td>770</td>
<td>2560</td>
<td>3330</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.4 - Map(s)

<table>
<thead>
<tr>
<th>Title</th>
<th>Date</th>
<th>Link to source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archaeological Ensemble of the Bend of the Boyne (Brú na Bóinne), scale 1:10,000</td>
<td>05/12/2007</td>
<td></td>
</tr>
<tr>
<td>Archaeological Ensemble of the Bend of the Boyne with its immediate natural and built environment, scale: 1:50,000</td>
<td>29/09/1992</td>
<td></td>
</tr>
<tr>
<td>Precise delineation of the Archaeological Ensemble of the Bend of the Boyne and the sites within it, scale approx. 1:20,000</td>
<td>29/09/1992</td>
<td></td>
</tr>
</tbody>
</table>

1.5 - Governmental Institution Responsible for the Property

• Terry Allen
  National Monuments Service
  Principle Officer
  Department of Arts, Heritage and the Gaeltacht

1.6 - Property Manager / Coordinator, Local Institution / Agency

• Fionnuala Parnell
  Office of Public Works
  Assistant Principal Officer

Comment
John Cahill Assistant Principal Architect (Conservation) Office of Public Works Jonathan Swift St. Trim Co. Meath Email: john.cahill@opw.ie Ph: 353-16476000

1.7 - Web Address of the Property (if existing)

1. View photos from OUR PLACE the World Heritage collection

2. Statement of Outstanding Universal Value

2.1 - Statement of Outstanding Universal Value / Statement of Significance

Comment
A Retrospective Statement of Outstanding Universal Value was accepted by the World Heritage Committee meeting in June 2013.

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

(i)(iii)(iv)

2.3 - Attributes expressing the Outstanding Universal Value per criterion

(i)The Bend of the Boyne monuments represent the largest and most important expression of prehistoric megalithic plastic art in Europe. (iii) The concentration of social, economic and funerary monuments at this important ritual centre and the long continuity from prehistory to the late medieval period make this one of the most significant archaeological sites in Europe. (iv) The passage grave, here brought to its finest expression, was a feature of outstanding importance in prehistoric Europe and beyond

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)
### 3.15. Factors Summary Table

<table>
<thead>
<tr>
<th>Section</th>
<th>Name</th>
<th>Impact</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Buildings and Development</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3.1.1 Housing</td>
<td></td>
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<td></td>
<td>3.1.2 Commercial development</td>
<td></td>
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<td></td>
<td>3.1.3 Industrial areas</td>
<td></td>
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<td></td>
<td>3.1.4 Major visitor accommodation and associated infrastructure</td>
<td></td>
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<tr>
<td></td>
<td>3.1.5 Interpretative and visitation facilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.2</td>
<td>Transportation Infrastructure</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.2.1 Ground transport infrastructure</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3.2.2 Air transport infrastructure</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3.2.4 Effects arising from use of transportation infrastructure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.3</td>
<td>Services Infrastructures</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3.3.1 Water infrastructure</td>
<td></td>
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<td></td>
<td>3.3.2 Renewable energy facilities</td>
<td></td>
<td></td>
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<td></td>
<td>3.3.4 Localised utilities</td>
<td></td>
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<td></td>
<td>3.3.5 Major linear utilities</td>
<td></td>
<td></td>
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<tr>
<td>3.4</td>
<td>Pollution</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3.4.1 Pollution of marine waters</td>
<td></td>
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<tr>
<td></td>
<td>3.4.2 Ground water pollution</td>
<td></td>
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<td></td>
<td>3.4.3 Surface water pollution</td>
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<td></td>
<td>3.4.4 Air pollution</td>
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<td></td>
<td>3.4.5 Solid waste</td>
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<td></td>
<td>3.4.6 Input of excess energy</td>
<td></td>
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<tr>
<td>3.5</td>
<td>Biological resource use/ modification</td>
<td></td>
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<tr>
<td></td>
<td>3.5.1 Fishing/collecting aquatic resources</td>
<td></td>
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<td></td>
<td>3.5.2 Aquaculture</td>
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<td></td>
<td>3.5.3 Land conversion</td>
<td></td>
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<td></td>
<td>3.5.4 Livestock farming / grazing of domesticated animals</td>
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<td></td>
<td>3.5.5 Crop production</td>
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<td></td>
<td>3.5.10 Forestry /wood production</td>
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<tr>
<td>3.6</td>
<td>Physical resource extraction</td>
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<td></td>
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<tr>
<td></td>
<td>3.6.2 Quarrying</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3.6.4 Water (extraction)</td>
<td></td>
<td></td>
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<tr>
<td>3.7</td>
<td>Local conditions affecting physical fabric</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.7.1 Wind</td>
<td></td>
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<td></td>
<td>3.7.2 Relative humidity</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3.7.3 Temperature</td>
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<td></td>
<td>3.7.4 Radiation/light</td>
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<td></td>
<td>3.7.5 Dust</td>
<td></td>
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<td></td>
<td>3.7.6 Water (rain/water table)</td>
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<td>3.7.7 Pests</td>
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<td></td>
<td>3.7.8 Micro-organisms</td>
<td></td>
<td></td>
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<tr>
<td>3.8</td>
<td>Social/cultural uses of heritage</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Name

<table>
<thead>
<tr>
<th>Name</th>
<th>Impact</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.8.1 Ritual / spiritual / religious and associational uses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.8.2 Society's valuing of heritage</td>
<td></td>
<td></td>
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<tr>
<td>3.8.5 Identity, social cohesion, changes in local population and community</td>
<td></td>
<td></td>
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<tr>
<td>3.8.6 Impacts of tourism / visitor / recreation</td>
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</table>

### Other human activities

<table>
<thead>
<tr>
<th>Name</th>
<th>Impact</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.9.1 Illegal activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.9.2 Deliberate destruction of heritage</td>
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</tr>
</tbody>
</table>

### Climate change and severe weather events

<table>
<thead>
<tr>
<th>Name</th>
<th>Impact</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.10.1 Storms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.10.2 Flooding</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.10.3 Drought</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.10.5 Changes to oceanic waters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.10.6 Temperature change</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Sudden ecological or geological events

<table>
<thead>
<tr>
<th>Name</th>
<th>Impact</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.11.2 Earthquake</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.11.4 Avalanche / landslide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.11.5 Erosion and siltation / deposition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.11.6 Fire (wildfires)</td>
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</tbody>
</table>

### Invasive / alien species or hyper-abundant species

<table>
<thead>
<tr>
<th>Name</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>3.12.1 Translocated species</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>3.12.2 Invasive / alien terrestrial species</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>3.12.3 Invasive / alien freshwater species</td>
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</table>

### Management and institutional factors

<table>
<thead>
<tr>
<th>Name</th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>3.13.1 Low impact research / monitoring activities</td>
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<tr>
<td>3.13.2 High impact research / monitoring activities</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3.13.3 Management activities</td>
<td></td>
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</table>

### Assessment of current negative factors

#### 3.16.1 - Assessment of current negative factors

<table>
<thead>
<tr>
<th>Name</th>
<th>Spatial scale</th>
<th>Temporal scale</th>
<th>Impact</th>
<th>Management response</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.2 Transportation Infrastructure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.2.2 Air transport infrastructure</td>
<td>restricted</td>
<td>one off or rare</td>
<td>insignificant</td>
<td>high capacity</td>
<td>static</td>
</tr>
<tr>
<td>3.8 Social / cultural uses of heritage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.8.1 Ritual / spiritual / religious and associational uses</td>
<td>restricted</td>
<td>one off or rare</td>
<td>insignificant</td>
<td>high capacity</td>
<td>static</td>
</tr>
<tr>
<td>3.8.2 Society's valuing of heritage</td>
<td>localised</td>
<td>on-going</td>
<td>insignificant</td>
<td>high capacity</td>
<td>decreasing</td>
</tr>
<tr>
<td>3.8.5 Identity, social cohesion, changes in local population and community</td>
<td>restricted</td>
<td>intermittent or sporadic</td>
<td>minor</td>
<td>high capacity</td>
<td>static</td>
</tr>
<tr>
<td>3.8.6 Impacts of tourism / visitor / recreation</td>
<td>restricted</td>
<td>one off or rare</td>
<td>insignificant</td>
<td>high capacity</td>
<td>decreasing</td>
</tr>
</tbody>
</table>
3.17. Comments, conclusions and / or recommendations related to factors affecting the property

3.17.1 - Comments

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 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 buffer zones of the World Heritage property do not limit the ability to maintain the property's Outstanding Universal Value but they could be improved

4.1.4 - 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

4.2. Protective Measures

4.2.1 - Protective designation (legal, regulatory, contractual, planning, institutional and / or traditional)
(Source: Periodic Reporting Cycle 1 (2001-2006)
The Development Plan for County Meath, where the site is situated, provides protection for the site. It is protected under Ireland’s National Monuments legislation. (Advisory Body Evaluation)
Most of the 780 ha site included in the nomination is in private ownership; only 32 ha, largely around Knowth and Newgrange, are in State ownership. Most of the registered monuments listed in the nomination are protected under the National Monuments Acts of 1930, 1954, and 1987. Thirty are in the ownership of the Commission of Public Works, four are subject to Preservation Orders (no disturbance permitted), and twelve are on the official Register of Historic Monuments (proposals to disturb require notification of competent authorities, who have powers to acquire or impose a Preservation Order). Further protection will be conferred by the National Parks and Heritage Areas Bill, which is currently (January 1993) before the Dail (Parliament).

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 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 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

4.3. Management System / Management Plan

4.3.1 - Management System
A Management Committee was established in 2002. The function of the Committee is to drive the implementation of the Management Plan.

WHC Note (July 2012): The only Management Plan available at the World Heritage Centre is dating from 2002
and is in hard copy. If the above mentioned Management Plan is currently in force, please provide its electronic version to the WHC. If a more recent Management Plan is in force, please submit an electronic version to WHC. In either of the above cases, the submission (CD-Rom or web-link) should be accompanied by a cover letter to DIR/WHC.

Periodic Reporting Cycle 1 (2001-2006) Section 2

Source: Periodic Reporting Cycle 1 (2001-2006)
Submitted on Wednesday, November 30, 2005

**Question 5.02**
Sterling group or similar management committee has been set up to guide the management of the site

**Question 5.03**

- **Set up date:** 2002
- **Function:** A Management Committee was established in 2002. The function of the Committee is to drive the implementation of the Management Plan.
- **Constituted:** formal

**Question 5.05**
Overall management system of the site
- Management by the State Party
- Management under protective legislation
- Consensual management

### 4.3.2 - Management Documents

<table>
<thead>
<tr>
<th>Title</th>
<th>Status</th>
<th>Available</th>
<th>Date</th>
<th>Link to source</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Archaeological Park Boyne Valley: A study in archaeological resource management</td>
<td>N/A</td>
<td>Available</td>
<td>01/01/1989</td>
<td><img src="link" alt="image" /></td>
</tr>
<tr>
<td>Brú na Bóinne World Heritage Site Management Plan</td>
<td>N/A</td>
<td>Available</td>
<td>01/01/2002</td>
<td><img src="link" alt="image" /></td>
</tr>
</tbody>
</table>

**Comment**

Brú na Bóinne World Heritage Site - Research Framework, compiled and edited by Jessica Smyth, The Heritage Council 2009. There are a number of publications on Ireland's World Heritage website; http://www.worldheritageireland.ie/bru-na-boinne/publications which are used to inform management decisions at the site.

### 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?

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

<table>
<thead>
<tr>
<th>Role</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local communities / residents</td>
<td>Fair</td>
</tr>
<tr>
<td>Local / Municipal authorities</td>
<td>Good</td>
</tr>
<tr>
<td>Indigenous peoples</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Landowners</td>
<td>Fair</td>
</tr>
<tr>
<td>Visitors</td>
<td>Good</td>
</tr>
<tr>
<td>Researchers</td>
<td>Good</td>
</tr>
<tr>
<td>Tourism industry</td>
<td>Good</td>
</tr>
<tr>
<td>Industry</td>
<td>Fair</td>
</tr>
</tbody>
</table>

### 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 contact but little or no cooperation 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 River Boyne is now both a Special Area of Conservation (for habitats) and a Special Protection Area (for birds) both European designations. These are covered by the Birds and Habitats Regulations Statutory Instrument 477 of 2011 and Statutory Instrument No. 454/2011 Planning and Development (Amendment) (No. 2) Regulations 2011

### 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)

<table>
<thead>
<tr>
<th>Source</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Multilateral funding (GEF, World Bank, etc)</td>
<td></td>
</tr>
<tr>
<td>International donations (NGO's, foundations, etc)</td>
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</tr>
<tr>
<td>Governmental (National / Federal)</td>
<td>100%</td>
</tr>
<tr>
<td>Governmental (Regional / Provincial / State)</td>
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<tr>
<td>Governmental (Local / Municipal)</td>
<td></td>
</tr>
</tbody>
</table>

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Monday, May 19, 2014 (2:26:11 PM CEST)
Periodic Report - Section II-Brú na Bóinne - Archaeological Ensemble of the Bend of the Boyne
World Heritage Centre
4.4.2 - International Assistance received from the World Heritage Fund (USD)
Comment
No funding is received from the World Heritage Fund (USD).

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 a major flow of economic benefits to local communities from activities in and around the World Heritage property.

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

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

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

| Full-time | 58% |
| Part-time | 42% |

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

| Permanent | 36% |
| Seasonal  | 64% |

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

| Paid      | 99% |
| Volunteer | 1%  |

4.4.12 - Are available human resources adequate to manage the World Heritage property?
Human resources are adequate for management needs.

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      | Good |
| Conservation            | Good |
| Administration          | Good |
| Risk preparedness       | Good |
| Tourism                 | Good |
| 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          | High |
| Education               | Medium |
| Visitor management      | High |
| Conservation            | High |
| Administration          | High |
| Risk preparedness       | High |
| Tourism                 | Not applicable |
| Enforcement (custodians, police) | High |

4.4.15 - Do the management and conservation programmes at the World Heritage property help develop local expertise?
No capacity development plan or programme is in place; management is implemented by external staff and skills are not transferred.

4.4.16 - Comments, conclusions and / or recommendations related to human resources, expertise and training
4.4.15.1 through to 4.4.15.4 are not relevant to the site. Relevant experience is in place locally and has been since the site was inscribed. See same response from Scellig Mhichíl.

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 considerable research but it is not directed towards management needs and / or improving understanding of Outstanding Universal Value.
Periodic Report - Second Cycle
of the Boyne

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.
There are a number of publications on Ireland's World Heritage website; http://www.worldheritageireland.ie/brunaboinne/publications which have been published since the last review.

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 one location 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.

<table>
<thead>
<tr>
<th>Local communities / residents</th>
<th>Local / Municipal authorities within or adjacent to the property</th>
<th>Local Indigenous peoples</th>
<th>Local landowners</th>
<th>Visitors</th>
<th>Tourism industry</th>
<th>Local businesses and industries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average</td>
<td>Excellent</td>
<td>Not applicable</td>
<td>Average</td>
<td>Excellent</td>
<td>Excellent</td>
<td>Average</td>
</tr>
</tbody>
</table>

4.6.3 - Is there a planned education and awareness programme linked with 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 | Not needed | Information booths | Not needed | Guided tours | Excellent |

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

4.7. Visitor Management

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last year</td>
<td>Decreasing</td>
</tr>
<tr>
<td>Two years ago</td>
<td>Minor Increase</td>
</tr>
<tr>
<td>Three years ago</td>
<td>Decreasing</td>
</tr>
<tr>
<td>Four years ago</td>
<td>Minor Increase</td>
</tr>
<tr>
<td>Five years ago</td>
<td>Minor Increase</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Information sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entry tickets and registries</td>
</tr>
<tr>
<td>Tourism industry</td>
</tr>
</tbody>
</table>

4.7.3 - Visitor management documents

Comment

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 effectively managed and does not impact its Outstanding Universal Value.

4.7.5 - Does the tourism industry contribute to improving visitor experiences and maintaining the values of the World Heritage property?
There is contact between those responsible for the World Heritage property and the tourism industry but this is largely confined to administrative or regulatory matters.

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 some 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.

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 comprehensive, integrated programme of monitoring, which is relevant to 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                  | Excellent |
| Local communities                               | Average   |
| Researchers                                     | Excellent |
| NGOs                                           | Average   |
| Industry                                       | Not applicable |
| Local indigenous peoples                       | Not applicable |

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

Implementation is underway

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

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

<table>
<thead>
<tr>
<th>World Heritage criteria and attributes affected</th>
<th>Actions</th>
<th>Monitoring</th>
<th>Timeframe</th>
<th>Lead agency (and others involved)</th>
<th>More info / comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.2 Transportation Infrastructure</td>
<td>3.2.2</td>
<td>Air transport infrastructure</td>
<td>(i) (ii) (iv)</td>
<td>No action possible</td>
<td>ongoing</td>
</tr>
<tr>
<td>3.8 Social/cultural uses of heritage</td>
<td>3.8.1</td>
<td>Ritual / spiritual / religious and associative uses</td>
<td>(i) (ii) (iv)</td>
<td>Ongoing conversations with those who believe they follow an ancient religion</td>
<td>ongoing</td>
</tr>
<tr>
<td>3.8.2 Society’s valuing of heritage</td>
<td>(i) (ii) (iv)</td>
<td>Discussions with those unhappy with World Heritage status.</td>
<td>ongoing</td>
<td>continous</td>
<td>DAHG / OPW</td>
</tr>
<tr>
<td>3.8.5 Identity, social cohesion, changes in local population and community</td>
<td>(i) (ii) (iv)</td>
<td>Continuing discussions with local community</td>
<td>ongoing</td>
<td>continous</td>
<td>DAHG / OPW</td>
</tr>
<tr>
<td>3.8.6 Impacts of tourism / visitor / recreation</td>
<td>(i) (ii) (iv)</td>
<td>Talking to Fáilte Ireland and to local stakeholders about any negative effects of tourism.</td>
<td>ongoing</td>
<td>continous</td>
<td>DAHG / OPW</td>
</tr>
</tbody>
</table>

5.2. Summary - Management Needs

5.2.2 - Summary - Management Needs

<table>
<thead>
<tr>
<th>Boundaries and Buffer Zones</th>
<th>Actions</th>
<th>Timeframe</th>
<th>Lead agency (and others involved)</th>
<th>More info / comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 Boundaries and Buffer Zones</td>
<td>4.1.2</td>
<td>Boundaries could be improved</td>
<td>Consideration to be given to minor boundary changes</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4.3 Management System / Management Plan</td>
<td>4.3.10</td>
<td>There is little or no cooperation with industry regarding management</td>
<td>Ongoing meetings</td>
<td>There is ongoing consultation between the agencies.</td>
</tr>
<tr>
<td>4.4 Financial and Human Resources</td>
<td>4.4.15</td>
<td>No capacity development plan or programme is in place</td>
<td>No action is proposed</td>
<td>Not relevant</td>
</tr>
<tr>
<td>4.7 Visitor Management</td>
<td>4.7.5</td>
<td>Contact with the tourism industry is largely confined to administrative or regulatory matters</td>
<td>The National Monuments Service, The Office of Public Works and the lead body for tourism in Ireland, Fáilte Ireland are now working together on a number of projects.</td>
<td>This is seen as a long term initiative by all agencies involved.</td>
</tr>
</tbody>
</table>
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

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

<table>
<thead>
<tr>
<th>Area</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation</td>
<td>Positive</td>
</tr>
<tr>
<td>Research and monitoring</td>
<td>Positive</td>
</tr>
<tr>
<td>Management effectiveness</td>
<td>Positive</td>
</tr>
<tr>
<td>Quality of life for local communities and indigenous peoples</td>
<td>Positive</td>
</tr>
<tr>
<td>Recognition</td>
<td>Very positive</td>
</tr>
<tr>
<td>Education</td>
<td>Positive</td>
</tr>
<tr>
<td>Infrastructure development</td>
<td>Positive</td>
</tr>
<tr>
<td>Funding for the property</td>
<td>Very positive</td>
</tr>
<tr>
<td>International cooperation</td>
<td>Very positive</td>
</tr>
<tr>
<td>Political support for conservation</td>
<td>Positive</td>
</tr>
<tr>
<td>Legal / Policy framework</td>
<td>Very positive</td>
</tr>
<tr>
<td>Lobbying</td>
<td>Positive</td>
</tr>
<tr>
<td>Institutional coordination</td>
<td>Positive</td>
</tr>
<tr>
<td>Security</td>
<td>Positive</td>
</tr>
<tr>
<td>Other (please specify)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Governmental institution responsible for the property</td>
</tr>
<tr>
<td>Site Manager/Coordinator/World Heritage property staff</td>
</tr>
<tr>
<td>Staff from other World Heritage properties</td>
</tr>
</tbody>
</table>

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
See response for Sceilg Mhichíl

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

<table>
<thead>
<tr>
<th>Entity</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNESCO</td>
<td>Very good</td>
</tr>
<tr>
<td>State Party Representative</td>
<td>Very good</td>
</tr>
<tr>
<td>Advisory Body</td>
<td>Fair</td>
</tr>
</tbody>
</table>

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

6.8 - The Periodic Reporting process has improved the understanding of the following

<table>
<thead>
<tr>
<th>Concept</th>
</tr>
</thead>
<tbody>
<tr>
<td>The World Heritage Convention</td>
</tr>
<tr>
<td>The concept of Outstanding Universal Value</td>
</tr>
<tr>
<td>The property’s Outstanding Universal Value</td>
</tr>
<tr>
<td>The concept of Integrity and/or Authenticity</td>
</tr>
<tr>
<td>The property’s Integrity and/or Authenticity</td>
</tr>
<tr>
<td>Managing the property to maintain the Outstanding Universal Value</td>
</tr>
<tr>
<td>Monitoring and reporting</td>
</tr>
<tr>
<td>Management effectiveness</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Entity</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNESCO</td>
<td>Unsatisfactory</td>
</tr>
<tr>
<td>State Party</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Site Managers</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Advisory Bodies</td>
<td>None</td>
</tr>
</tbody>
</table>

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

- **Name of World Heritage Property**
  Reason for update: Following the World Heritage Committee meeting in June 2013 the name of the World heritage site has been changed to "Brú na Bóinne - Archaeological Ensemble of the Bend of the Boyne" as this gives expression to the name of the site in Irish, the State Party's first official language.

- **Statement of Outstanding Universal Value / Statement of Significance**
  Reason for update: A Retrospective Statement of Outstanding Universal Value was accepted by the World Heritage Committee meeting in June 2013.

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