

# Derwent Valley Mills

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property


Derwent Valley Mills

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Derwent Valley Mills	53.029 / -1.488	1228.7	4362.7	5591.4	2001
<b>Total (ha)</b>		<b>1228.7</b>	<b>4362.7</b>	<b>5591.4</b>	

### 1.4 - Map(s)

Title	Date	Link to source
Derwent Valley Mills World Heritage Site	2000	

### Comment

The World Heritage Centre identified in December 2022 that they did not hold an up-to-date clear map which showed the delimitation of the property. We are in the process of producing a map as requested and are making amendments in line with comments from the World Heritage Centre, with support from Historic England. The revised map will be submitted for the approval of the World Heritage Committee at 46COM along with others from the UK State Party.

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

1. [Sir Richard Arkwright's Masson Mills](#)
2. [Strutt's North Mill](#)
3. [Derwent Valley Mills \(official website\)](#)
4. [Arkwright Society](#)

### Comment

Derwent Valley Mills (official website) <http://www.derwentvalleymills.org/> Derwent Valley Mills Management Plan <https://managementplan.derwentvalleymills.org/> Cromford Mills <https://www.cromfordmills.org.uk/> Derby Silk Mill <https://www.derbymuseums.org/museum-of-making/>

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

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

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

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

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

No

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

No

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

No

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

No

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

<b>2.7.1</b>	<b>1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✘
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.2</b>	<b>Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✘
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.3</b>	<b>Convention on Wetlands of International Importance (Ramsar Convention)</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✘
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.4</b>	<b>Man and the Biosphere (MAB) Programme</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✘
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.5</b>	<b>UNESCO Global Geoparks</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✘
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	

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

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

No

**2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the**

## Intangible Cultural Heritage of which you are aware

### 2.11 - Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?

No

### 2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you are aware.

## 3. Statement of Outstanding Universal Value

### 3.1 - Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee

#### Statement of Outstanding Universal Value

##### Brief synthesis

The Derwent valley, upstream from Derby on the southern edge of the Pennines, contains a series of 18th and 19th century cotton mills and an industrial landscape of high historical and technological significance. It began with the construction of the Silk Mill in Derby in 1721 for the brothers John and Thomas Lombe, which housed machinery for throwing silk, based on an Italian design. The scale, output, and numbers of workers employed were without precedent. However, it was not until Richard Arkwright constructed a water-powered spinning mill at Cromford in 1771, and a second, larger mill in 1776-77 that the "Arkwright System" was truly established. The workers' housing associated with this and the other mills are intact and span 24km of the Derwent valley from the edge of Matlock Bath in the north nearly to the centre of Derby in the south. The four principal industrial settlements of Cromford, Belper, Milford, and Darley Abbey are articulated by the river Derwent, the waters of which provided the power to drive the cotton mills. Much of the landscape setting of the mills and the industrial communities, which was much admired in the 18th and early 19th centuries, has survived.

In terms of industrial buildings the Derwent valley mills may be considered to be sui generis in the sense that they were the first of what was to become the model for factories throughout the world in subsequent centuries.

The cultural landscape of the Derwent valley was where the modern factory system was developed and established, to accommodate the new technology for spinning cotton developed by Richard Arkwright and new processes for efficient production.

The insertion of industrial establishments into a rural landscape necessitated the construction of housing for the workers in the mills, and the resulting settlements created an exceptional industrial landscape. The change from water to steam power in the 19th century moved the focus of the industry elsewhere and thus the main attributes of this remarkable cultural landscape were arrested in time.

**Criterion (ii):** The Derwent Valley saw the birth of the factory system, when new types of building were erected to house the new technology for spinning cotton developed by Richard Arkwright in the late 18th century.

**Criterion (iv):** In the Derwent Valley for the first time there was large-scale industrial production in a hitherto rural landscape. The need to provide housing and other facilities for workers and managers resulted in the creation of the first modern industrial settlements.

##### Integrity

The relationship of the industrial buildings and their dependent urban settlements to the river and its tributaries and to the topography of the surrounding rural landscape has been preserved, especially in the upper reaches of the valley, virtually intact. Similarly, the interdependence of the mills and other industrial elements, such as the canals and railway, and the workers' housing, is still plainly visible. All the key attributes of the cultural landscape are within the boundaries. The distinctive form of the overall industrial landscape is vulnerable in some parts to threats from large-scale development that would impact adversely on the scale of the settlements.

##### Authenticity

Although some of the industrial buildings have undergone substantial alterations and additions in order to accommodate new technological and social practices, their original forms, building materials, and structural techniques are still intact and easy to discern. Restoration work on buildings that have been in a poor state of repair has been carried out following detailed research on available documentation and contemporary built architectural examples, and every effort has been made to ensure that compatible materials are used. In those cases where buildings have been lost through fire or demolition, no attempt has been made to reconstruct. The overall landscape reflects well its technological, social and economic development and the way the modern factory system developed within this rural area on the basis of water power.

##### Protection and management requirements

A comprehensive system of statutory control operates under the provisions of the Town and Country Planning Act (1990) and the Planning (Listed Buildings and Conservation Areas) Act (1990). A network of strategic planning policies is also in place to protect the site. There are thirteen Conservation Areas falling wholly or partly within the property. 848 buildings within the area are included on the List of Buildings of Special Architectural or Historical Interest. There are also nine Scheduled Ancient Monuments.

Management responsibility is shared by a number of local authorities and government agencies. The coordination mechanism is provided by the Derwent Valley Mills Partnership. This has established a close working relationship between the local authorities involved in the nominated area. This partnership has been responsible for the preparation of a management plan for the property, most recently revised in January 2007.

##### Comment

Under 'Protection and management requirements': Replace 'nine Scheduled Ancient Monuments' with '13 Scheduled Monuments' Replace 'most recently revised in January 2007' with 'most recently revised in May 2020'.

### 3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	The successful harnessing of relatively large amounts of natural energy to deliver the power to drive newly devised machines housed in mills to produce goods of superior quality at an unprecedented rate.	×			

3.2.2	The creation and development of a new way of life resulting from the need for people to congregate together (in factories) producing goods of superior quality at an unprecedented rate, sometimes in formerly rural (non-urban) locations, with attendant intensification of agriculture for provisioning and the adoption, from the early 19th Century, of new modes of transportation.	X			
3.2.3	The dissemination of the new technology and new mode of mass production, from the Derwent Valley to other parts of the UK, Europe and North America, prior to the introduction of steam power and the transference of mill development to the coalfields of Lancashire.	X			
3.2.4	The further development of industry including the introduction of new modes of transportation and utilities.	X			
3.2.5	A 'relict' industrial landscape, where late 18th and early 19th century industrial development may still be seen in an 18th/ 19th century agricultural landscape containing evidence of other early industrial activity.		X		
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

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

The relict landscape setting of the mills and communities is fragile, and ensuring developers and planners understand and conserve it is challenging. A decision by the Secretary of State consented to the building of 118 houses, in an elevated position, in the Buffer Zone adjacent to the WHS boundary. In addition, a tall building in Derby outside the Buffer Zone was consented despite impacts on setting. Neglect, coupled with vulnerability to flooding, places the Belper Mills as elements at risk.

## 4. Factors Affecting the Property

### 4.1. Buildings and Development

#### 4.1.1 - Housing

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Current, Inside

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

#### 4.1.2 - Commercial development

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Potential, Inside

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

#### 4.1.3 - Industrial areas

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Current, Inside

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

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Potential, Inside

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Negative							

#### 4.1.6 - Please comment as necessary on how the factors selected as relevant in 4.1 are affecting the property either negatively or positively

4.1.1 – Permission given for 118 houses on a prominent position in the Buffer Zone. Training provided to planners to discourage similar proposals being granted permission. 4.1.2 – Permission given for a multi-storey building outside the Buffer Zone but in wider setting of Derby Silk Mill. Tall Buildings Policy being developed. Training provided to planners so impacts are better understood. 4.1.5 - extensive wayfinding scheme with boards and QR code trail installed across three key communities.

#### 4.2. Transportation Infrastructure

##### 4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive							
<input checked="" type="checkbox"/> Negative	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	

##### 4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Current, Inside

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (24/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	<input checked="" type="checkbox"/> Current	<input checked="" type="checkbox"/> Potential	<input checked="" type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Decreasing	<input checked="" type="checkbox"/> Stable	<input checked="" type="checkbox"/> Increasing
<input checked="" type="checkbox"/> Positive							
<input checked="" type="checkbox"/> Negative	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	

#### 4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively

4.2.1 - Road bridge connecting Darley Abbey Mills with community condemned and closed. Temporary footbridge now in place. 4.2.5 - A6 road runs through the WHS. The valley sides prevent expansion of infrastructure, creating congested use at peak times, in turn creating air pollution. The historic Cluster Roads at Belper are much-eroded so residents are raising funds for their restoration. Preparatory work funded but no grant money so far secured to carry out the restoration work.

### 4.3. Services Infrastructures

#### 4.3.1 - Water infrastructure

Previous answer Cycle 2 (24/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

#### 4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

#### 4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant			<input checked="" type="checkbox"/> Not relevant				
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#### 4.3.4 - Localised utilities

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Current, Inside

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				

#### 4.3.5 - Major linear utilities

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant			<input checked="" type="checkbox"/> Not relevant				
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#### 4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

4.3.1 Reuse of wheel pits for turbines - latest is a turbine for the Cromford Mills. 4.3.2 Increase in hydropower provides carbon-neutral power for mills and communities. A hydro-electric company has purchased one of the mills, running a carbon-neutral textile museum with plans to showcase hydro-power solutions in future. 4.3.4 Cell-phone and railway communication towers and broadband boxes introduced but efforts made to minimise impacts. Sewage works is relatively well hidden in the landscape.

### 4.4. Pollution

#### 4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.4.2 - Ground water pollution

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.4.3 - Surface water pollution

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.4.4 - Air pollution

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.4.5 - Solid waste

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.4.6 - Input of excess energy

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

Not relevant.

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.5.2 - Aquaculture

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.5.3 - Land conversion

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.5.5 - Crop production

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

Not relevant

#### 4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

#### 4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

#### 4.5.8 - Commercial hunting

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

#### 4.5.9 - Subsistence hunting

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

#### 4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

#### 4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

Not relevant.

#### 4.6. Physical resource extraction

##### 4.6.1 - Mining

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

##### 4.6.2 - Quarrying

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Current, Outside

✘ Relevant

Not relevant

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

##### 4.6.3 - Oil and gas

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

##### 4.6.4 - Water (extraction)

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant

✘ Not relevant

#### 4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

4.6.2 Quarrying, particularly of limestone, occurs to the northwest of Cromford, outside the Property and Buffer Zone. Large number of lorries bring stone through the village to join the main A6 road, which creates significant dust issues. This has reduced in recent years, but still occurs.

#### 4.7. Local conditions affecting physical fabric

##### 4.7.1 - Wind

Previous answer Cycle 2 (24/07/2013):



- Not relevant

Relevant	✘ Not relevant
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#### 4.7.2 - Relative humidity

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Current, Inside

✘ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔊 Current	🔊 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✘	✘		✘		↘		

#### 4.7.3 - Temperature

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	✘ Not relevant
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#### 4.7.4 - Radiation/Light

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	✘ Not relevant
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#### 4.7.5 - Dust

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Current, Outside

✘ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔊 Current	🔊 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✘	✘			✘	↘		

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

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Current, Inside

Relevant	✘ Not relevant
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#### 4.7.7 - Pests

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	✘ Not relevant
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#### 4.7.8 - Micro-organisms

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Potential, Inside

Relevant	✘ Not relevant
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#### 4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

4.7.2 Conditions in the Belper Mills are not ideal for stored artefacts relating to the former mill museum. The trust responsible for those artefacts have been asked to find a better storage option.

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

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

Previous answer Cycle 2 (24/07/2013):

- Not relevant

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

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

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

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Potential, Inside

<input checked="" type="checkbox"/> Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

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

4.8.2 Steady growth in the appreciation of the World Heritage Site, and its Outstanding Universal Value, is being established within the key mill communities, both for residents and visitors, through events (including festivals), interpretation, etc. 4.8.6 Funding was secured for an extensive wayfinding/interpretation scheme for three of the key mill communities to ensure better understanding and encourage longer stays by visitors, and benefiting the local economy.

#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Potential, Inside

<input checked="" type="checkbox"/> Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

##### 4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Potential, Inside

<input checked="" type="checkbox"/> Relevant			Not relevant				
--	--	--	--------------	--	--	--	--

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

#### 4.9.3 - Military training

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	Not relevant
----------	--------------

#### 4.9.4 - War

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	Not relevant
----------	--------------

#### 4.9.5 - Terrorism

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	Not relevant
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#### 4.9.6 - Civil unrest

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	Not relevant
----------	--------------

#### 4.9.7 - Please comment as necessary on how the factors selected as relevant in 4.9 are affecting the property either negatively or positively

4.9.1 There have been some thefts from the mill sites in previous reporting periods, and the potential remains whilst security, particularly at the Belper mills, is insufficient. 4.9.2 There is potential for vandalism on the Belper Mills site particularly as there are areas of dereliction and security is insufficient.

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

##### 4.10.1 - Storms

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	Not relevant
----------	--------------

##### 4.10.2 - Flooding

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Current, Inside

Relevant	Not relevant
----------	--------------

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

##### 4.10.3 - Drought

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	Not relevant
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##### 4.10.4 - Desertification

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	Not relevant
----------	--------------

#### 4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.10.6 - Temperature change

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

#### 4.10.7 - Other climate change impacts

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

#### 4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively

4.10.2 The Derwent River, essential for powering the valley mills' waterwheels and turbines, has always flooded from time to time. Flood events in recent years have become more frequent, and modern changes to interiors, particularly in the Grade One Belper North Mill, have made some mills less resilient to these flood events. The Prothego Project (2015-17 - <https://sgi.isprambiente.it/prothego/>) identified fluvial and groundwater flooding as a threat to the Valley's cultural heritage resource.

#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

##### 4.11.2 - Earthquake

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

##### 4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

##### 4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (24/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	<input type="checkbox"/> Not relevant
--	---------------------------------------

Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

##### 4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Potential, Inside

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

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

4.11.4 The Prothego Project (2015-17 - <https://sgi.isprambiente.it/prothego/>) identified landslides as a potential minor threat to the Valley's cultural heritage resource.

**4.12. Invasive/alien species or hyper-abundant species**

**4.12.1 - Translocated species**

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.12.2 - Invasive/Alien terrestrial species**

Previous answer Cycle 2 (24/07/2013):

- Relevant, Negative, Potential, Inside

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

**4.12.3 - Invasive/Alien freshwater species**

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.12.4 - Invasive/Alien marine species**

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.12.5 - Hyper-abundant species**

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.12.6 - Modified genetic material**

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

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

4.12.2 The poor state of the Belper Mills and use of the East Mill for storage of artefacts formerly in the mill museum has potential to attract both insect and rodent infestations which would harm the collection which had been used to help inform about the mills' OUV.

**4.13. Management and institutional factors**

**4.13.1 - Management system/Management plan**

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

**4.13.2 - Legal framework**

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

Impact	Origin	Trend of impact
--------	--------	-----------------

Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

#### 4.13.3 - Governance

<input checked="" type="checkbox"/> Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

#### 4.13.4 - Management activities

Previous answer Cycle 2 (24/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

#### 4.13.5 - Financial resources

<input checked="" type="checkbox"/> Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

#### 4.13.6 - Human resources

<input checked="" type="checkbox"/> Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				

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

Previous answer Cycle 2 (24/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

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

Previous answer Cycle 2 (24/07/2013):

- Not relevant

Relevant				<input checked="" type="checkbox"/> Not relevant			
----------	--	--	--	--	--	--	--

**4.13.9 - Please comment as necessary on how the factors selected as relevant in 4.13 are affecting the property either negatively or positively**

A management plan was established in 2001, revised most recently in 2020. The National Planning Policy Framework sets out how planning authorities need to consider heritage, including World Heritage Sites. The Derwent Valley Mills World Heritage Site Partnership oversees delivery of the management plan. Limited finances have reduced the size of the coordination team, project delivery relying on external funding. Recent funding through 'Great Place' enabled audience research and profiling.

**4.14. Other factor(s)**

**4.14.1 - Other factor(s)**

Neglect: the owners of the Belper Mills have allowed these key buildings to decay over the past 20 years. A planning application for the site is live but in its fourth year, during which time the neglect has become more noticeable. The WHS Coordination Team has secured funding to investigate alternative uses. Museum closure: Strutt's North Mill museum at Belper closed. Grant cuts and escalating lease costs forced the closure, which reduces public access, and the chance to inform about the OUV.

**4.15. Factors Summary Table**

**4.15.1 - Factors Summary Table**

Name	Impact		Origin		Trend	
<b>4.1 Buildings and Development</b>						
<b>4.1.1 Housing</b>						
<b>4.1.2 Commercial development</b>						
<b>4.1.5 Interpretative and visitation facilities</b>						
<b>4.2 Transportation Infrastructure</b>						
<b>4.2.1 Ground transport infrastructure</b>						
<b>4.2.5 Effects arising from use of transportation infrastructure</b>						
<b>4.3 Services Infrastructures</b>						
<b>4.3.1 Water infrastructure</b>						
<b>4.3.2 Renewable energy facilities</b>						
<b>4.3.4 Localised utilities</b>						
<b>4.6 Physical resource extraction</b>						
<b>4.6.2 Quarrying</b>						
<b>4.7 Local conditions affecting physical fabric</b>						
<b>4.7.2 Relative humidity</b>						
<b>4.7.5 Dust</b>						
<b>4.8 Social/Cultural uses of heritage</b>						
<b>4.8.2 Society's valuing of heritage</b>						
<b>4.8.6 Impacts of tourism/Visitation/Recreation</b>						

4.9 Other human activities						
4.9.1 Illegal activities						
4.9.2 Deliberate destruction of heritage						
4.10 Climate change and severe weather events						
4.10.2 Flooding						
4.11 Sudden ecological or geological events						
4.11.4 Avalanche/Landslide						
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial species						
4.13 Management and institutional factors						
4.13.1 Management system/Management plan						
4.13.2 Legal framework						
4.13.3 Governance						
4.13.4 Management activities						
4.13.5 Financial resources						
4.13.6 Human resources						
4.13.7 Low impact research/monitoring activities						
<b>Legend</b>	Current	Potential	Negative	Positive	Inside	Outside

#### 4.16. Assessment of current and potential positive and negative factors





##### 4.16.1 - Assessment of current and potential negative and positive factors

###### 4.1 Buildings and Development

Name		Impact		Origin		Trend	
4.1.1 Housing							
Spatial scale - Area affected by the factor							
	Restricted						
<input checked="" type="checkbox"/>	Localised						






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

Name	Impact	Origin	Trend
4.1.2 Commercial development			
	 		

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

	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✘	Static
	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	 		

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✘	Localised
	Extensive
	Widespread





<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✘	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
✘	Minor
	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✘	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources





<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✘	Increasing

## 4.2 Transportation Infrastructure

Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	 		

<b>Spatial scale - Area affected by the factor</b>	
	Restricted





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

Name	Impact	Origin	Trend
4.2.5 Effects arising from use of transportation infrastructure			
			
			

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

	High capacity
✘	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✘	Static
	Increasing

### 4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water infrastructure	 		

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

	Restricted
✘	Localised
	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
✘	Intermittent or sporadic
	Frequent
	On-going

#### Impact - Impact on the attributes





	Insignificant
✘	Minor
	Significant
	Major

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

	High capacity
✘	Medium capacity
	Low capacity
	No capacity and / or resources

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

	Decreasing
✘	Static
	Increasing

Name	Impact	Origin	Trend
4.3.2 Renewable energy facilities	 		

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




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

Name	Impact	Origin	Trend
4.3.4 Localised utilities			

<b>Spatial scale - Area affected by the factor</b>	
✗	Restricted
	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✗	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
✗	Insignificant
	Minor
	Significant
	Major

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

#### 4.6 Physical resource extraction

Name	Impact	Origin	Trend
4.6.2 Quarrying	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			

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

#### 4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
------	--------	--------	-------

4.7.2 Relative humidity


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

- Restricted
- Localised
- Extensive
- Widespread

**Temporal scale - Occurrence of the impact**

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

**Impact - Impact on the attributes**

- Insignificant
- Minor
- Significant
- Major

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

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

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

- Decreasing
- Static
- Increasing

Name	Impact			Origin		Trend
4.7.5 Dust						

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

- Restricted
- Localised
- Extensive
- Widespread

**Temporal scale - Occurrence of the impact**





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

**Impact - Impact on the attributes**

- Insignificant




	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
✗	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
✗	Decreasing
	Static
	Increasing

#### 4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	 		

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



Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	 		

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

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

**Temporal scale - Occurrence of the impact**

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

**Impact - Impact on the attributes**

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





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

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

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

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

**4.9 Other human activities**

Name	Impact	Origin	Trend
4.9.1 Illegal activities	 		

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

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

**Temporal scale - Occurrence of the impact**

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

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

Name	Impact	Origin	Trend
4.9.2 Deliberate destruction of heritage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Increasing

#### 4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.2 Flooding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Restricted

Localised

Extensive

Widespread

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

One off or rare

Intermittent or sporadic

Frequent

On-going

##### Impact - Impact on the attributes

Insignificant

Minor

Significant

Major

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

High capacity

Medium capacity

Low capacity

No capacity and / or resources

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

Decreasing

Static

Increasing

#### 4.11 Sudden ecological or geological events

Name	Impact	Origin	Trend
4.11.4 Avalanche/Landslide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Restricted

Localised

Extensive

Widespread

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

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

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

Name	Impact	Origin	Trend
4.12.2 Invasive/Alien terrestrial species	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

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

#### 4.13 Management and institutional factors

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

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

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

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

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

##### Impact - Impact on the attributes

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

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

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

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





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

Name	Impact	Origin	Trend
4.13.2 Legal framework	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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


	Restricted
	Localised
	Extensive

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

Name	Impact	Origin	Trend
4.13.3 Governance	 		

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

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

Name	Impact	Origin	Trend
4.13.4 Management activities	 		





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

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

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





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

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

Name	Impact	Origin	Trend
4.13.5 Financial resources	 		

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive



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

Name	Impact	Origin	Trend
4.13.6 Human resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			
			

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



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

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	 		

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

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

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

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

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

4.17. Serial inscriptions (national or transnational)

4.17.1 - If your property is a serial inscription (national or transnational) please identify which components of the property are impacted by each factor

Not relevant.

4.18. Prediction of the state of conservation at next cycle of Periodic Reporting.

4.18.1 - Please predict what the state of conservation of each attribute will be approximately 6 years from now (at the time of the next cycle of Periodic Reporting)

Attribute	Preserved	Compromised	Seriously compromised	Lost

4.18.1.1	The successful harnessing of relatively large amounts of natural energy to deliver the power to drive newly devised machines housed in mills to produce goods of superior quality at an unprecedented rate.		x		
4.18.1.2	The creation and development of a new way of life resulting from the need for people to congregate together (in factories) producing goods of superior quality at an unprecedented rate, sometimes in formerly rural (non-urban) locations, with attendant intensification of agriculture for provisioning and the adoption, from the early 19th Century, of new modes of transportation.	x			
4.18.1.3	The dissemination of the new technology and new mode of mass production, from the Derwent Valley to other parts of the UK, Europe and North America, prior to the introduction of steam power and the transference of mill development to the coalfields of Lancashire.	x			
4.18.1.4	The further development of industry including the introduction of new modes of transportation and utilities.		x		
4.18.1.5	A 'relict' industrial landscape, where late 18th and early 19th century industrial development may still be seen in an 18th/ 19th century agricultural landscape containing evidence of other early industrial activity.		x		

## 5. Protection and Management of the Property

### 5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

The buffer zones of the World Heritage property **are known and recognised** by the management authority **but are not known** by local communities/landowners

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

Boundaries are adequate to maintain OUV, but original plotting of the boundary in 2001 was not precise, causing some disagreements over where lines precisely fell. Some minor work is needed to clarify the boundary, particularly where it slices through buildings. Knowledge of the Buffer Zone falls between 5.1.4.4 and 5.1.4.3 – efforts have been made to publicise the boundary more widely. It is now better known, but with thousands of landowners, reaching all those involved is challenging.

### 5.2. Protective Measures

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

There are thirteen Conservation Areas falling wholly or partly within the nominated area. These are designated under Article 69 of the Planning (Listed Buildings and Conservation Areas) Act (1990). Local planning authorities are responsible for their designation and periodic monitoring. Under the provisions of the same Act, 838 buildings within the nominated area are included on the List of Buildings of Special Architectural or Historical Interest. Eighteen are Grade I (mostly at Cromford), 42 are Grade II\*, and the remainder Grade II. Authorization for demolition or alteration must be sought from the relevant local planning authority. The nominated area contains nine Scheduled Ancient Monuments, designated under the provisions of the Ancient Monuments and Archaeological Areas Act 1979. Any works affecting these monuments must be submitted to the Secretary of State for Culture, Media and Sport for approval. The nominated area also contains two Sites of Special Scientific Interest, designated under the Wildlife and Countryside Act (1981); one Special Area of Conservation, designated under European Union Directive 92/43/EEC on the Conservation of Natural Habitats etc; two parks on the Register of Parks and Gardens of Special Historic Interest in England; and fourteen sites on the Derbyshire Wildlife Trust's Register of Wildlife Sites.

Source: Advisory Body Evaluation

#### Comment

There are now 848 buildings included on the List of Buildings of Special Architectural or Historical Interest. 18 are Grade I, 43 are Grade II\*, and the remainder Grade II. There are 13 Scheduled Monuments, 5 Sites of Special Scientific Interest, and 19 sites on the Derbyshire Wildlife Trust's Register of Wildlife Sites. Other data remains the same. Please refer to the State Party's Section I questionnaire for a list of national legislation relevant to UK World Heritage Sites.

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

2021 / The Environment Act / X /  
<https://www.legislation.gov.uk/ukpga/2021/30/contents/enacted>

2007 / Cromford Conservation Area Character Appraisal / x /  
[www.derbyshiredales.gov.uk/planning/conservation/conservation-areas/cromford#h3](http://www.derbyshiredales.gov.uk/planning/conservation/conservation-areas/cromford#h3)

2017 / Derby City Local Plan / x /  
[www.derby.gov.uk/environment-and-planning/planning/local-plan/part-1/about/#page-1](http://www.derby.gov.uk/environment-and-planning/planning/local-plan/part-1/about/#page-1)

2021 / Belper Neighbourhood Plan / x /  
[www.ambervalley.gov.uk/planning/planning-policy/neighbourhood-planning/neighbourhood-plan-for-belper/](http://www.ambervalley.gov.uk/planning/planning-policy/neighbourhood-planning/neighbourhood-plan-for-belper/)

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

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

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

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

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

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

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

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

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

Change in UK World Heritage Sites is stewarded through the planning system. WHS in the planning system are heritage assets of the highest significance.

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

What constitutes a WHS, and the equal protection afforded to buffer zones, is not always fully understood or consistently applied, both locally and nationally. As WHSs are of the highest significance they are afforded a high level of protection. It would be useful if buffer zones were explicitly referred to in the National Planning Policy Framework.

## 5.3. Management System/Management Plan

### 5.3.1 - Please check the box which most closely match the character of the governance and management system of the property

Public management system joint national/ local

If 'Other', please specify

### 5.3.2 - Management System: Please indicate which of the various management tools listed below are used to help protect the property.

A statutory Management Plan or zoning plan for the property.

Other forms of statutory or non-statutory plans (e.g. strategic plans)

Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management

A management plan




An annual work plan or business plan

An assessment of biological and cultural diversity and ecosystem services provided by the property

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

The UK Government requires WHSs on its territories to produce management plans. The Derwent Valley Mills management plan was adopted by the UK Government in 2020 and sets out the stewarding and other priorities for the Property. The management plan is also referenced in policies in all of the local planning authorities' local plans that cover the WHS. Change in the WHS is governed through the UK planning system.

### 5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Derwent Valley Mills World Heritage Site Management Plan	N/A	Available	2003	
Derwent Valley Mills World Heritage Site Management Plan 2014-2019	N/A	Available	2014	
Management Plan 2020-2025 for Derwent Valley Mills	N/A	Available	2019	

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

Some use has been made of the 2011 Recommendation on the Historic Urban Landscape

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

The recommendation has influenced the writing of Section 22 of the latest management plan, covering Design Rationale.

### 5.3.7 - Has any use been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property?

Some use has been made of the World Heritage Policy for Climate Change

### 5.3.8 - If the Climate Change policy has been used, please briefly describe what has been done along with any research on the impacts of Climate Change on the property:

The new management plan has adopted the UN's Sustainability Development Goals, and we have actions relating to climate change adaptation in Part Two of the

plan (aims, objectives and actions). The Prothego Project (2015-17 - <https://sgi.isprambiente.it/prothego/>) identified fluvial and groundwater flooding, and landslides, as a threat to the Valley's cultural heritage resource, and identified the areas most at risk.

**5.3.9 - Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property ?**

**Some use** has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties

**5.3.10 - If the Strategy for Reducing Risks from Disasters at World Heritage Properties has been used, please briefly describe what has been done**

Objective 1.9 of the management plan has actions which require owners of the Property to have appropriate disaster plans in place.

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

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

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

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

**5.3.13 - Is the management system being implemented?**

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

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

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

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

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities			✗		
5.3.15.2	Local authorities				✗	
5.3.15.3	Landowners in the property and the buffer zone			✗		
5.3.15.4	Indigenous peoples	✗				
5.3.15.5	Women	✗				
5.3.15.6	Other specific groups	✗				
	If you selected, 'Other specific groups' please specify					

**5.3.16 - Please rate the cooperation/relationship between the World Heritage property managers/coordinators/staff and the following groups**

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities				✗	
5.3.16.2	Local/Municipal authorities				✗	
5.3.16.3	Indigenous peoples	✗				
5.3.16.4	Landowners				✗	
5.3.16.5	Women	✗				
5.3.16.6	Youth/Children				✗	
5.3.16.7	Researchers					✗
5.3.16.8	Local Visitors/Tourists					✗
5.3.16.9	National/International tourists					✗
5.3.16.10	Tourism Industry					✗
5.3.16.11	Local businesses and industries				✗	
5.3.16.12	NGOs				✗	
5.3.16.13	Other specific groups	✗				
	If you selected 'Other specific groups', please specify					

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

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

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

In the UK, there is well-established gender equality and human rights legislation. All actions in the WHS are in accordance with UK legislation. Conflict prevention in the UK mainland is not an active issue.

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

The Derwent Valley Mills management plan was significantly redrafted to respond to learning gained from the application of previous management plans and the guidance documents produced by UNESCO, for the 2020 revision. For this reason, we believe the current management plan represents continual improvement on previous iterations. Further learning and guidance will influence future revisions to ensure management of the WHS remains robust and relevant.

**6. Financial and Human Resources**

**6.1. Funding**

**6.1.1 - If your funding sources do not exactly fit those shown, put the relevant amounts against the funding type that most closely represents your situation, and use the comment box below to provide more details.**

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	0 %	0 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	0 %
6.1.1.8	Governmental (local/municipal)	1 %	40 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	5 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	1 %	10 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	1 %	20 %
6.1.1.12	Other	97 %	25 %
		Total 100 %	Total 100 %

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

The National Lottery Heritage Fund and numerous trusts and smaller grant bodies contributed to projects with conservation elements.

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

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

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

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

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

The coordination team relies on funding from local authorities whose budgets are currently under pressure due to other economic and social factors. Key sites in the Property rely on commercial income generation. Large scale projects which enable significant progression of elements of the Management Plan are reliant on grants from the National Lottery Heritage Fund.

**6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage properties and the extent to which they are drawn from local communities.**

		From local communities %	From elsewhere %
6.1.6.1	Men	60 %	60 %
6.1.6.2	Women	40 %	40 %
		Total 100 %	Total 100 %

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

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

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

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

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

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

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

**Some use** has been made of the World Heritage Strategy for Capacity Building

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

Some of the key sites are building their capacity. Covid-19 hit the ability for some sites to build on previous work, with the loss of volunteers being a particular factor. Capacity building within the Coordination Team is taking place in-house.

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

**A site-based** capacity building plan or programme is in place and fully implemented; **all technical skills are being transferred** to those managing the property locally

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

Between 2014 and 2017, the coordination team was reduced in size from 5 personnel to 2.5, with additional management support from the host organisation. This

has recently been increased to 3 personnel. Whilst this is sufficient to meet the basic coordination needs of the Property, additional resource would enable better delivery of the management plan. The core team budget has reduced over the above period and now is only sufficient to address staff costs.

## 7. Scientific Studies and Research Projects

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

Knowledge about the values and attributes of the World Heritage property is **adequate**

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

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

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

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

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

The Derwent Valley Mills has a dedicated Research Group, with representatives from a wide range of research bodies and institutions working together to record and influence what research is taking place and provide a training programme to help support new researchers. A Research Framework for the World Heritage Site was commissioned and published, and an on-line version made available in 2021, at <https://researchframeworks.org/dvmwhs/>.

## 8. Education, Information and Awareness Building

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

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

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

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

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

Local communities
Local/municipal authorities
Landowners
Women
Youth/children
Researchers
Local Visitors
National/international tourists
Tourism industry
Local businesses and industries
NGOs

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

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

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

As the Property is so geographically spread, there are pockets of good quality provision, mixed with areas needing greater support and resource. The need for a learning officer in the coordinator team was identified as a need in the latest governance review, and work is on-going to finance this role. New interpretation materials are in production, and learning provision has won national awards eg. <https://www.cromfordmills.org.uk/education-team-win-sandford-award/>

**9. Visitor Management**

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

405,373 / 133,097 / 552,257 / 621,274 / 571,440 /

**9.2 - What information sources are used to collect visitor statistics?**

Entry tickets and registries

Tourism industry

Visitor surveys

Other

Counters

**9.3 - What is the average length stay of a visitor to the World Heritage property?**

One day (no overnight stay)

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

Association of Independent Museums Economic Impact Toolkit.

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

10 / 40 / 10 / 6.5 / 4 / 3 /

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

Very little data captured by the individual sites, as all have very limited human and financial resources for data collection of this type - approximations for most individual sites make a judgement challenging for the values across the whole Property.

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

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

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

Human and financial resources are limited but work has progressed since the previous Periodic Report. The impacts of Covid-19 and the ensuing cost-of-living crisis have temporarily stalled much of the related implementation work since 2020.

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

Visitor use of the World Heritage property is effectively managed and does not impact its Outstanding Universal Value

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

Yes, using a different system

If a different system, please specify

Working with the local tourist board.

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



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

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

The presentation and interpretation of the Outstanding Universal Value of the property **is acceptable but improvements could be made**

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

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

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

**Fees are collected**, and make **some contribution** to the management of the World Heritage property

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

Yes

If 'Yes', please specify

Sustainable transport initiatives in place, and promotion of waterpower relating to OUV.

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

Yes

If 'Yes', please specify

Some economic benefits for local businesses.

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

Because of Covid-19 and the cost-of-living crisis, there has been stagnation in visitor numbers but use of open and free spaces has continued almost unaffected. Numbers are not sufficiently high to impact negatively on the Property, but for those who do visit, there are greater opportunities for engaging and understanding the Outstanding Universal Value.

10. Monitoring

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

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

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

Information on the values of the World Heritage property is **adequate and key indicators have been defined** for measuring the state of conservation and **are being used in monitoring** of how the Outstanding Universal value of the property is being maintained

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

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

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

Relevant monitoring indicators for the Property include: Planning Applications (ongoing); Key Monument Sites (ongoing); Views (quinquennial); Research (ongoing through Research Framework). Key Performance Indicators (annually); Annual report to Strategic Board; Management Plan action delivery monitored through Technical Group.

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Good
Local communities	Fair
Indigenous peoples	Not applicable
Landowners	Fair
Women	Not applicable
Researchers	Good

Tourism industry	Fair
Local businesses and industry	Fair
NGOs	Fair
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

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

No relevant Committee recommendations to implement

#### 10.7 - Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.

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

The Property is a long site in multiple ownership. This presents certain difficulties in getting consistent information from the different visitor sites and other bodies. The coordination team has made efforts to establish a simplified core day-to-day monitoring regime for the Property.

### 11. Identification of Priority Management Needs

#### 11.1 - Identification of Priority Management Needs

<b>5.1</b>	<b>Boundaries and Buffer Zones</b>	
5.1.4	The buffer zones of the World Heritage property <b>are known and recognised by the management authority but are not known and recognized by local communities/landowners</b>	✘
<b>5.2</b>	<b>Protective Measures</b>	
5.2.4	An <b>adequate legal framework</b> in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists <b>but there are some deficiencies in implementation</b>	✘
5.2.5	An <b>adequate legal framework</b> exists for the broader setting of the World Heritage property and the buffer zone, <b>but there are some deficiencies in implementation</b> which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	✘
5.2.6	There is <b>acceptable capacity/resources</b> to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	✘
<b>5.3</b>	<b>Management System/Management Plan</b>	
5.3.5	<b>Some use</b> has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	<b>Some use</b> has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	
5.3.9	<b>Some use</b> has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	
5.3.11	There is <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>	✘
5.3.17	<ul style="list-style-type: none"> <li>In a <b>limited manner</b>, the management system of the World Heritage property does <b>provide ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)</b></li> </ul>	
<b>6.1</b>	<b>Funding</b>	
6.1.3	The available <b>budget is acceptable</b> but <b>could be further improved</b> to fully meet the management needs of the World Heritage property	✘
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	✘
6.1.10	<b>Some use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	
<b>8</b>	<b>Education, Information and Awareness Building</b>	
8.2	There is a planned education and awareness programme for children and/or youth <b>but it only partly meets the needs</b>	✘
<b>9</b>	<b>Visitor Management</b>	
9.7	There is a <b>strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are <b>some deficiencies in implementation</b>	✘
9.12	The presentation and interpretation of the Outstanding Universal Value of the property <b>is acceptable but improvements could be made</b>	✘
<b>10</b>	<b>Monitoring</b>	
10.1	There is <b>considerable monitoring</b> at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	

Please select 0 more issues.

Please save this question to reflect changes

## 12. Summary and Conclusions

### 12.1. Summary - Factors affecting the Property

#### 12.1.1 - Summary - Factors affecting the Property

4.1 Buildings and Development							
4.1.1	Housing	Criteria affected: iv Attribute: A 'relict' industrial landscape, where late 18th and early 19th century industrial development may still be seen in an 18th/ 19th century agricultural landscape containing evidence of other early industrial activity.	Training has been provided to planners and planning committee members on how WHSs should be considered in the planning system in order to discourage inappropriate proposals being granted permission. This training will be updated and repeated.	Planning applications are being monitored as they come in to the five authorities covering the WHS. This monitoring is fed into the key performance indicators for the Property.	In progress and on-going.	Each local planning authority: Amber Valley Borough Council, Derby City Council, Derbyshire County Council, Derbyshire Dales District Council, Erewash Borough Council.	This work is key to addressing concerns highlighted in the State of Conservation report for the Derwent Valley Mills, following the building of houses on the outskirts of Belper, and granting of permission for a tall building in Derby city centre.
4.1.2	Commercial development	Criteria affected: iv Attribute: A 'relict' industrial landscape, where late 18th and early 19th century industrial development may still be seen in an 18th/ 19th century agricultural landscape containing evidence of other early industrial activity.	Training has been provided to planners and planning committee members on how WHSs should be considered in the planning system in order to discourage inappropriate proposals being granted permission. This training will be updated and repeated.	Planning applications are being monitored as they come in to the five authorities covering the WHS. This monitoring is fed into the key performance indicators for the Property.	In progress and on-going.	Each local planning authority: Amber Valley Borough Council, Derby City Council, Derbyshire County Council, Derbyshire Dales District Council, Erewash Borough Council.	This work is key to addressing concerns highlighted in the State of Conservation report for the Derwent Valley Mills, following the granting of permission for a tall building in Derby city centre.
4.2 Transportation Infrastructure							
4.2.1	Ground transport infrastructure	Criteria affected: iv Attribute: The creation and development of a new way of life resulting from the need for people to congregate together [...] and the adoption, from the early 19th Century, of new modes of transportation.	Structural condition of bridge to key site insufficient to meet current safety requirements. Current bridge closed. Temporary pedestrian solution in place as permanent proposals are developed.	Situation being monitored by Derby City Council. Progress will be fed into the key performance indicators for the Property.	It is hoped a permanent solution with associated funding is identified by 2028.	Derby City Council; Patterns Properties Ltd; WHS Coordination Team.	Although not owners of the bridge, Derby City Council stepped in quickly to provide a temporary replacement to ensure the mills and the community which serves them are still connected across the river; residents and businesses avoid long diversions.
4.2.5	Effects arising from use of transportation infrastructure	Criteria affected: iv Attribute: The creation and development of a new way of life resulting from the need for people to congregate together [...] and the adoption, from the early 19th Century, of new modes of transportation.	The Cluster Roads at Belper are much-eroded so residents are raising funds for restoration. Preparatory work was funded but no grant money is needed to carry out restoration work - the WHS coordination team is supporting residents in this objective.	The residents are monitoring the situation on behalf of the WHS coordination team. Progress will be fed into the key performance indicators for the Property.	Work is hoped to be completed by 2033.	Belper Clusters Residents Group; Derbyshire County Council; WHS coordination team.	The Cluster Housing forms part of one of the earliest industrial workers housing estates in the world - the roads contribute to the character of the estate and need restoration - a commitment to that end is in the Management Plan for the property.
4.9 Other human activities							
4.9.2	Deliberate destruction of heritage	Criteria affected: ii Attribute: The successful harnessing of relatively large amounts of natural energy to deliver the power to drive newly devised machines housed in mills to produce goods of superior quality at an unprecedented rate.	Encouraging mill owners (particularly at Belper) to better protect and secure their properties to ensure no acts of vandalism or arson take place.	Security arrangements will be monitored for improvements by the coordination team. Progress will be fed into the key performance indicators for the Property.	On-going.	Mill owners - particularly FI at Belper, the WHS coordination team.	As the Belper Mills are mostly empty and unused, the risks of illegal entry and possible vandalism or arson has increased.
4.10 Climate change and severe weather events							

4.10.2	Flooding	Criteria affected: ii Attribute: The successful harnessing of relatively large amounts of natural energy to deliver the power to drive newly devised machines housed in mills to produce goods of superior quality at an unprecedented rate.	Flood events in the Derwent valley have become more frequent. Work is progressing on Derby flood defences, and a possible scheme for the future of Belper Mills will look at flood resilience. Natural flood defences are also being investigated.	The effects of flood events, and work to alleviate those impacts will be monitored and will feed into the key performance indicators for the Property.	The Derby flood defence scheme is progressing well and should be completed by 2028. Work at Belper is likely to take longer.	Derby City Council; Environment Agency; WHS coordination team; Derwent Catchment Partnership; Derbyshire County Council.	Flooding is a major issue in the valley - the mills by necessity were built in the floodplain.
<b>4.11 Sudden ecological or geological events</b>							
4.11.4	Avalanche/Landslide	Criteria affected: iv Attribute: A 'relict' industrial landscape, where late 18th and early 19th century industrial development may still be seen in an 18th/ 19th century agricultural landscape containing evidence of other early industrial activity.	Monitor land movement and seek out funding for reparations in response to any movement brought on by climate change.	Monitor land movement.	On-going	Property owners, the Coordination Team, local authorities.	Studies have identified possible areas where continued climate extremes could cause landslides affecting the Property. These areas are being monitored.
<b>4.12 Invasive/alien species or hyper-abundant species</b>							
4.12.2	Invasive/Alien terrestrial species	Criteria affected: ii Attribute: The successful harnessing of relatively large amounts of natural energy to deliver the power to drive newly devised machines housed in mills to produce goods of superior quality at an unprecedented rate.	Encouraging mill owners (particularly at Belper) to better protect and secure their properties to ensure no infestations by insects or rodents.	Security arrangements will be monitored for improvements by the coordination team. Progress will be fed into the key performance indicators for the Property.	On-going	Mill owners - particularly FI at Belper, the WHS coordination team.	The poor state of the Belper Mills and use of the East Mill for storage of artefacts formerly in the mill museum has potential to attract insect and rodent infestations which would harm the collection.
<b>4.13 Management and institutional factors</b>							
4.13.5	Financial resources	Criteria affected: ii and iv Attribute: All	Lobbying and promoting the need for additional resource, with key partners, including those that made formal commitments in the inscription document, so that the management plan can be more fully delivered.	The level of funding, and its impacts on delivery of the management plan will be monitored and will feed into the key performance indicators for the Property.	The need for increased financial resource is on-going, as is the work to increase that resource.	Derwent Valley Mills WHS Partnership (including Strategic Board); Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	All public services in the UK are under financial pressure. The coordination team endeavours to deliver the maximum possible actions from the management plan with the resources available, but the need for greater resource has been identified.
4.13.6	Human resources	Criteria affected: ii and iv Attribute: All	Lobbying and promoting the need for additional resource, with key partners, including those that made formal commitments in the inscription document, so that the management plan can be more fully delivered.	The level of human resource, and its impacts on delivery of the management plan will be monitored and will feed into the key performance indicators for the Property.	The need for increased human resource is on-going, as is the work to increase that resource. An assistant coordinator has recently been secured on a three-year fixed term basis.	Derwent Valley Mills WHS Partnership (including Strategic Board); Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	All public services in the UK are under financial pressure. The coordination team endeavours to deliver the maximum possible actions from the management plan with the resources available, but the need for greater resource has been identified.

Summary - Factors affecting the Property **completed**

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

5.1	<b>Boundaries and Buffer Zones</b>
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		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.1.4	The buffer zones of the World Heritage property <b>are known and recognised by the management authority but are not known and recognised by local communities/landowners</b>	Greater promotion of the buffer zone to all parties is planned.	Promotion work in progress and on-going.	Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	Considerably more stakeholders know the boundary since the last periodic report.
5.2	<b>Protective Measures</b>				
5.2.4	An <b>adequate legal framework</b> in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists <b>but there are some deficiencies in implementation</b>	Change in WHSs and Buffer Zones is governed through the planning system. The coordination team has rolled out training on how WHSs and BZs should be considered in the planning system to all relevant planning officers and planning committee members.	On-going updates will be delivered.	Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	Implementation is improving.
5.2.5	An <b>adequate legal framework</b> exists for the broader setting of the World Heritage property and the buffer zone, <b>but there are some deficiencies in implementation</b> which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	Changes to the settings of WHSs are governed through the planning system. The coordination team has rolled out training on how setting should be considered in the planning system to all relevant planning officers and planning committee members.	On-going updates will be delivered.	Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	Implementation is improving.
5.2.6	There is <b>acceptable capacity/resources</b> to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	Greater resource is required for enforcement in the Property and Buffer Zone.	On-going.	Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	Historic England have provided funding for extra resource for conservation at Amber valley Borough Council, which has the largest share of the Property in its jurisdiction.
5.3	<b>Management System/Management Plan</b>				
5.3.11	There is <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>	The structure of the Property's partnership body has been reviewed and a new technical group and strategic board formed. Going forward, these are expected to improve coordination.	In process and on-going.	Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; Environment Agency and other governmental bodies; parish councils; the Coordination Team.	The Derwent Valley Mills WHS is a complex Property in multiple ownership and as a result extensive resource and effort is required to ensure a coordinated approach.
6.1	<b>Funding</b>				
6.1.3	The available <b>budget is acceptable</b> but <b>could be further improved</b> to fully meet the management needs of the World Heritage property	Lobbying and promoting the need for additional resource, with key partners, including those that made formal commitments in the inscription document, is required in order that the management plan can be more fully delivered.	On-going	Derwent Valley Mills WHS Partnership (including Strategic Board); Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	Short-term funding has been secured for an assistant coordinator to support the current coordination team of two, for three years.

6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	Lobbying and promoting the need for additional resource, with key partners, including those that made formal commitments in the inscription document, is required in order that the management plan can be more fully delivered.	On-going	Derwent Valley Mills WHS Partnership (including Strategic Board); Historic England; Amber Valley Borough Council, Derby City Council, Derbyshire County Council; Derbyshire Dales District Council; Erewash Borough Council; the Coordination Team.	Short-term funding has been secured for an assistant coordinator to support the current coordination team of two, for three years.
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## 8 Education, Information and Awareness Building

8.2	There is a planned education and awareness programme for children and/or youth <b>but it only partly meets the needs</b>	Work is about to begin on securing a learning coordinator for the coordination team, in order that the substantial engagement section of the management plan can be effectively delivered.	Securing a learning coordinator - 2024. Delivery of the engagement element of the management plan can then accelerate with much of the objectives delivered by 2030.	Coordination Team, Funding bodies (including the National Lottery Heritage Fund) for educational and heritage projects.	The need for a learning coordinator within the coordination team was recognised in the latest governance review of 2020. The new post of assistant coordinator includes dedicated time to seek out and secure funding for a learning coordinator.
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## 9 Visitor Management

9.7	There is a <b>strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are <b>some deficiencies in implementation</b>	Support the tourism industry in securing greater financial support for monitoring and data gathering tourism activity within the Property.	On-going.	Visit Peak District and Derbyshire; Coordination Team	More resource is needed to fully implement the Property's strategy for managing visitors and tourism activity.
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9.12	The presentation and interpretation of the Outstanding Universal Value of the property <b>is acceptable but improvements could be made</b>	Secure increased funding to enhance the presentation and interpretation of the Outstanding Universal Value of the Property both on-line, on the ground and in published literature.	On-going.	Coordination Team; Funders (including the National Lottery Heritage Fund)	Presentation and interpretation is much improved since the last Periodic Report, with significant spend during the Great Place Scheme (2017-2022) funded by National Lottery Heritage Fund and Arts Council England. That scheme has ended.
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Summary - Management Needs completed

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

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

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

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

The Integrity of the World Heritage property is **intact**

#### 12.3.3 - Following the analysis undertaken for this report, what is the current state of the World Heritage property's Outstanding Universal Value?

The World Heritage property's Outstanding Universal Value **has been impacted by factors described in this report, but this situation is being addressed through effective management actions.**

#### 12.3.4 - What is the current state of the property's other values?

Other important cultural and/or natural values and the state of conservation of the World Heritage property are **intact**

#### 12.3.5 - Comments, conclusions and/or recommendations related to the state of conservation of the property.

Planning permissions for 118 houses in the buffer zone at Belper, and for a tall building, 'The Landmark', in the wider setting at Derby, resulted in a request for a State of Conservation report. Action has been taken to ensure decision-makers involved in the planning process for areas covered by the WHS, buffer zone and wider setting have received training in order to better understand the WHS and why OUV, authenticity and integrity need to be protected and conserved. Training will be updated.

### 13. Impact of World Heritage Status

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

Conservation	Very positive
Research and monitoring	Very positive

Management effectiveness	Positive
Quality of life for local communities and indigenous peoples	Very positive
Recognition	Positive
Education	Positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Positive
Advocacy	Positive
Institutional coordination	Positive
Security	Positive
Gender equality	No impact
Provision of ecosystem services/ benefits to local communities	Positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Positive
Fostering inclusive local economic development and enhancing livelihood	Positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Positive
Other	Not applicable
If 'Other', please specify	

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

In all areas, the impact has been positive, although of varying degrees. Conservation and research work made the greatest progress. Communities, on the whole, have embraced the status and turn out in large numbers to celebrate the Property's history and status at annual festivals. Businesses are keen to understand the status, with hundreds taking 'ambassador' training so they are better able to pass on information to customers and visitors.

## 14. Good Practice in the Implementation of the World Heritage Convention

### 14.1 - Example of good practice in World Heritage protection, identification, conservation or management at the property level

Identification: The free 'Ambassador Scheme' for people working in shops and businesses provides a two hour session in which they become 'tourists' and are led on a guided walk in the community where they are based, followed by training in which they learn about the Property, its importance, and how it can be enjoyed and supported by visitors. Once trained, they place a vinyl in the shop window showing they are visitor friendly and that they know information about the Property, and have maps and other literature to help people understand and appreciate it. The scheme operates in four of the Property communities, and has been particularly successful in the largest, Belper, where it was a significant factor in winning the UK Government's Great British High Street Award for the town. The scheme has greatly widened recognition, understanding and interest in the World Heritage status across our key communities, not just for businesses and visitors, but for local people as well.

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

Capacity Building

## 15. Assessment of the Periodic Reporting Exercise

### 15.1. Relevance of Periodic Reporting

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

The World Heritage Convention

The concept of Outstanding Universal Value

The property's Outstanding Universal Value

The concept of Integrity and/or Authenticity

The property's Integrity and/or Authenticity

Management effectiveness to maintain the Outstanding Universal Value

Monitoring and reporting

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

State Party

Good

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

## 15.2. Use of Data

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

Revision of priorities/strategies/policies for the protection, management and conservation of heritage
Update of management plans
Fundraising
Awareness raising
Advocacy

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

Data gathered and assessed through the Periodic Reporting Cycle will again inform the next revision of the management plan. The information-gathering process helps all those involved to better understand the key concepts relating to World Heritage status and the importance of appropriate monitoring.

## 15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff
Local communities
Non-Governmental Organizations

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

Gender balance has **not been explicitly** considered or implemented in the process.

### 15.3.3 - Were you given adequate time (i.e. roughly ten months) to gather necessary information and to fill in this questionnaire?

Yes

### 15.3.4 - Please estimate the time (working hours) needed to complete this questionnaire

18 / 12 / 37 /
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### 15.3.5 - Did you mobilise any additional resources to fill out this questionnaire?

	Additional resources	No	Yes
15.3.5.1	Human resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.3.5.2	Financial resources for organizing consultation meetings/ training	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## 15.4. Format and content of the Periodic Report

### 15.4.1 - How accessible was the information required to complete this questionnaire?

**Most** required information was accessible.

### 15.4.2 - Was the questionnaire easy to use and clear to understand?

		Very Difficult	Difficult	Easy	Very easy
15.4.2.1	Ease of use of questionnaire	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.4.2.2	Clarity of questions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

The generic nature of the questions, necessary for collecting data across the widest possible types of Property, does sometimes limit opportunities to pull out success stories, or paint issues in black-and-white without fully giving the opportunity for a more layered telling of a situation. The restriction on characters for giving responses was at times very difficult to accommodate.

## 15.5. Training and Guidance

### 15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Not applicable
UNESCO National Commission	Good



ICOMOS International	Not applicable
IUCN International	Not applicable
ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable

**15.5.2 - Please rate the level of support for completing the Periodic Reporting questionnaire from the following entities**

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Not applicable
National Commission for UNESCO	Good
ICOMOS International	Not applicable
ICCROM International/regional	Not applicable
ICOMOS national/regional	Good
IUCN national/regional	Not applicable
IUCN International	Not applicable

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

Yes

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

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

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

- **Map(s)**

Reason for update: The World Heritage Centre identified in December 2022 that they did not hold an up-to-date clear map which showed the delimitation of the property. We are in the process of producing a map as requested and are making amendments in line with comments from the World Heritage Centre, with support from Historic England. The revised map will be submitted for the approval of the World Heritage Committee at 46COM along with others from the UK State Party.

- **Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee**

Reason for update: Under 'Protection and management requirements': Replace 'nine Scheduled Ancient Monuments' with '13 Scheduled Monuments' Replace 'most recently revised in January 2007' with 'most recently revised in May 2020'.

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

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

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

While undertaking Periodic Reporting is time consuming, it does help reflect and monitor progress across the Property. As mentioned previously, the limited number of characters on some responses restricts more in-depth recording of developments across the Property - a greater number of characters would be useful in future reviews.

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