

## Key Monitoring Indicators

World Heritage Sites have an obligation to ensure that their Outstanding Universal Value is being maintained over time and interpreted to the public. To achieve this, monitoring indicators have been put in place, tailored to the specific values of each World Heritage Site. The data supports the annual report to stakeholders and the periodic report compiled every six years for UNESCO.

The aims of such monitoring indicators are:

- to assess the state of preservation & interpretation of the site in a given year and measure change over time (recording)
- to provide detailed data to the site managers so that they can improve the protection, interpretation & management of the site (informed action)

The information collected for the indicators is used to help measure impact against the World Heritage Site's Statement of Outstanding Universal Value, approved by the UNESCO World Heritage Committee in 2010.

That Statement of Outstanding Universal Value reads: *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.*

All UK World Heritage Sites have been encouraged to base their own key indicators on an extensive list of generic indicators compiled by ICOMOS UK. The Partnership has selected the indicators relevant to this site and agreed responsibilities for each indicator with key stakeholders.

The following indicators cover the period **April 2014 to March 2015**.

| Theme               | Indicator  | Assessment   |
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| <b>CONSERVATION</b> |  |  |
| <b>Protection</b>   | 1. Size of the WHS (ICOMOS INDICATOR 16)                                 | The DVMWHS covers 1228.7 hectares. There have been no changes to the boundary in the period covered.   |
|                     | 2. Existence of a buffer zone (ICOMOS INDICATOR 17)                      | A buffer zone for the DVMWHS does exist and has been in place since inscription in December 2001.<br>The buffer zone covers 4362.7 hectares.   |
|                     | 3. WHS Policy in the Planning Development Framework (ICOMOS INDICATOR 1) | The Government published its National Planning Policy Framework on 27 March 2012, together with its associated online Planning Practice Guidance on 6 March 2014, as part of its reforms to make the planning system less complex and more accessible, to protect the environment, and to promote sustainable growth. The online Planning Practice Guidance is updated on an ongoing basis as needed.<br><br><b>LOCAL DEVELOPMENT PLANS</b><br>District and borough councils are responsible for preparing plans and policies for the development and use of land (excluding minerals and waste) in their administrative areas. Derbyshire County Council prepares local planning policies for minerals and waste development, using the still extant Planning Policy Statement 10 for waste matters. Local planning authorities prepare their Local Plans and determine planning applications in the context of the National Planning Policy Framework and regularly updated online Planning Practice Guidance.<br><br><b>MINERALS AND WASTE PLANS</b><br>Derbyshire County Council prepares local planning policies for minerals and waste development, using the National Planning Policy |

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|  | <p>Framework, Planning Practice Guidance, and the updated national waste planning policy, 'National Planning Policy for Waste' (16 October 2014) which replaced 'Planning Policy Statement 10: Planning for Sustainable Waste Management' as the national planning policy for waste in England.</p> <p>The Derby and Derbyshire Minerals and Waste Local Plans contain policies which protect interests of acknowledged environmental importance, including the World Heritage Site.</p>   |
| <p>4. Planning guidance for development in the WHS (ICOMOS INDICATOR 18)</p> | <p>In due course, all Derbyshire Local Planning Authorities will have newly adopted Local Plans, which will provide an up-to-date context for development. In the meantime, for those authorities which do not have such plans, all relevant (old) Local Plan policies have been "saved" that are needed to determine planning applications and guide development.</p> <p>The World Heritage Site is covered by policies in the Local Plans for the five planning authorities: Derbyshire Dales District Council, Amber Valley Borough Council, Erewash Borough Council, Derby City Council and Derbyshire County Council.</p> <p><b>Derbyshire Dales</b></p> <p>The Examination in Public led to DDDC withdrawing its Draft Local Plan which is now under further consideration in terms of its housing numbers and local plan policies. In the interim the current Plan will be used (saved policies and the NPPF).</p> <p>Derbyshire Dales District Council has Supplementary Planning Documents relating to: Conversion of Farm Buildings; Shop Fronts &amp; Commercial Properties; and Landscape Character.</p> <p><b>Amber Valley</b></p> <p>The saved policies of the adopted Amber Valley Borough Local Plan (2006) includes a policy relating to the Derwent Valley Mills World Heritage Site, its buffer zone and Management Plan. Policy EN7 also relates to landscape character areas and includes reference to the presence and pattern of historic landscape features. Policy EN32 states that planning permission will not be granted for development proposals that would have an adverse impact on the landscape character of a registered Historic Park and Garden.</p> <p>Amber Valley Borough Council has adopted Supplementary Planning Documents on Residential Development (which includes extensions and the conversion of farm buildings), Shop Fronts and Advertisements, Listed Buildings and Buildings in Conservation Areas and Development and Recreational Open Space. A Supplementary Planning Document and Planning Brief for land between the A6 and the river Derwent has also been adopted by the Borough Council.</p> <p>The Local Plan Part I (Core Strategy) was submitted to the Secretary of State for Examination in December 2013. This document includes a policy which makes reference to the World Heritage Site Management Plan objectives. The Examination into the Plan was suspended to enable further work to be carried out and the hearing part of the examination is due to recommence in the summer of 2015.</p> <p><b>Derby</b></p> <p>Until the new Local Development Framework is adopted, the saved policies of the City of Derby Local Plan Review January 2006 can be seen at</p> |

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|  |                                       | <p><a href="http://www.derby.gov.uk/Environment/Planning/LandUsePlanning/Adopted+City+of+Derby+Local+Plan+Review.htm">http://www.derby.gov.uk/Environment/Planning/LandUsePlanning/Adopted+City+of+Derby+Local+Plan+Review.htm</a>. These include policy E29 which states that proposals which would have an adverse impact on the special character of the World Heritage Site will not be allowed, it also protects its setting. Policy E22 seeks to secure the retention, restoration, maintenance and continued use of locally important historic parks and gardens, these include Darley Park and Derwent Park. R6 allows for the conversion of existing buildings in the Darley Abbey Mills complex for certain uses to secure the retention, restoration, maintenance and continued use of listed buildings, providing they are compatible with its architectural and historic character, respecting its important contribution to the World Heritage Site. There is now an Interim Planning Statement to guide owners at the Darley Abbey Mills Site. A planning application and Listed Building applications have been granted for the change of use to a wedding venue in West Mill and offices in Long Mill. There have also been applications to repair both Long and West Mills.</p> <p>Saved policy MP4 in the Derby and Derbyshire Minerals Local Plan gives protection to interests of acknowledged environmental importance from irreparable or unacceptable damage resulting from mineral development proposals, including the DVMWHS. The Derby and Derbyshire Waste Local Plan applies the precautionary principle relating to the risk of environmental damage from proposed waste development (Policy W4) and Policies W5, W6 and W7 give protection to identified interests of natural and built environmental importance, landscape and other visual interests. The saved policies and progress on preparing the Minerals and Waste Plans is available at <a href="http://www.derbyshire.gov.uk/environment/planning/planning_policy/minerals_waste_development_framework/default.asp">http://www.derbyshire.gov.uk/environment/planning/planning_policy/minerals_waste_development_framework/default.asp</a></p> <p><b>Erewash</b></p> <p>The Erewash Core Strategy (Local Plan) was adopted on 6 March 2014.</p> <p><b>National guidance</b></p> <p>The Government published its National Planning Policy Framework on 27 March 2012, together with its associated online Planning Practice Guidance on 6 March 2014, as part of its reforms to make the planning system less complex and more accessible, to protect the environment, and to promote sustainable growth. The online Planning Practice Guidance is updated on an ongoing basis as needed.</p> <p>The heritage section does include World Heritage Sites. Circular 709 and the EH guidance which accompanied it have now been replaced. In the new guidance, Heritage Impact Assessments are being pushed as good practice, and changes to World Heritage Attributes must only be in exceptional circumstances. EH weren't able to put the protection of WH Sites, their settings and Buffer Zones in the Appeals Section. World Heritage Sites and their exceptional significance, including Buffer Zones and setting, are covered but buried deep within the document.</p> |
|  | 5. Designations (ICOMOS INDICATOR 19) | <p>There are over 855 listed buildings in the WHS, ten Scheduled Monuments and 453 entries on the Historic Environment Record. The percentage of the WHS protected by designations (including Scheduled Monuments; Conservation Areas; Local Wildlife Sites; Special Protection Areas; Special Areas of Conservation; Ramsar sites; National Nature Reserves; Sites of Special Scientific Interest; Local Nature Reserves)</p>  |

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|                          |  | is 51.3%. The percentage of the buffer zone covered by the same designations is 31.7%.  |
| <b>Condition of site</b> | 6. List and number of cultural features in poor condition (ICOMOS INDICATOR 2) | <p>A condition survey of key features based on the Outstanding Universal Value of the WHS, including fixed point photography, has been achieved. It has been agreed this survey take place every five years, as part of the quinquennial review for the Management Plan. The latest survey took place in April 2012.</p> <p><b>Buildings at Risk</b></p> <p>A general air of prosperity throughout the settlements of the World Heritage Site obscures several instances of significant buildings seriously at risk from neglect and under-use.</p> <p><u>Amber Valley</u></p> <p>There are 10 buildings at risk in the Borough that lie within the World Heritage Site.</p> <p>The North Mill, Bridgefoot, Belper is the earliest example of a completely iron framed mill in the world and is currently in poor condition. The Borough Council is monitoring the situation but also preparing to take formal action should this be necessary.</p> <p><u>Derby</u></p> <p>There are a number of buildings at risk in the City that lie within the World Heritage Site.</p> <p>A number of these are included within 3 entries on the English Heritage 'Heritage at Risk' Register (grade I and II* listed) which are:</p> <ul style="list-style-type: none"> <li>▪ Darley Abbey Mills (South complex) Long Mill and West Mill - will remain on list until repairs carried out.</li> <li>▪ Darley Abbey Mills (North complex) North Mill, Engine House and Boiler House,</li> <li>▪ Darley Abbey Mills (North Complex) preparation building, cottage, workshop &amp; cart sheds. Old Lane, Darley Abbey.</li> </ul> <p>There were 2 entries on the (grade II listed) Local Building at risk register, The Mill Manager's House (and other listed buildings within the Darley Abbey Mill complex not covered by the entries on the National list above) and Darley Abbey Stables. Darley Abbey Stables have now been repaired and will come off the list.</p> <p>Within the buffer zone there was one entry on the English Heritage National List; Allestree Hall.</p> <p><u>Derbyshire Dales</u></p> <p>Planning permission and listed building consent have expired for the reinstatement of the Aqueduct (valid until end of 2010). Whilst discussions have taken place with the Arkwright Society, the District Council and Derbyshire County Council, reinstatement is being delayed by the requirements of the Highway Authority. Talks are still continuing with the Arkwright Society and Derbyshire County Council Highways Authority.</p> <p>At the end of 2014/15, Derbyshire Dales District Council had 1 entry within the WHS included on the English Heritage National 'Heritage at Risk' Register which includes:-</p> <ul style="list-style-type: none"> <li>- Buildings 1, 17, 18 &amp; 26, Cromford Mill, Mill Road (Grade I)* and</li> <li>- The Aqueduct, Mill Road (Grade I)*</li> </ul> <p>* The buildings at the Cromford Mill site are identified as a single entry.</p> <p>The above Grade I structures and a further entry are included on the DDDC 'Buildings at Risk' Register:-</p> <ul style="list-style-type: none"> <li>- Lea Bridge Cottages (Grade II).</li> </ul> |

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|                             |  | <p>In respect of Lea Bridge Cottages, an application has been submitted to AVBC which includes for repair and refurbishment of the cottages as part of a larger scheme, affecting the adjacent buildings and wider site of Lea Mills.</p> <p><u>Erewash</u><br/>No data available.</p>   |
|                             | 7. List and condition of natural features within the WHS (ICOMOS INDICATORS 3 & 4) | <p><u>Woodland</u><br/>There are 1045ha of woodland of all types and all sizes in the WHS and the Buffer Zone.</p> <ul style="list-style-type: none"> <li>• The area of ancient semi-natural woodland (excluding plantation on ancient woodland site) is 413 ha of which 214 ha is managed positively (52%).</li> <li>• The area of PAWS is 113.5 ha of which 65.5 ha is managed (57%).</li> <li>• The area of secondary woodland is 399.39ha (105.52ha managed).</li> <li>• 5.76ha new (since 1980) woodland (2.63ha managed).</li> </ul> <p><u>Grassland</u><br/>There have been a number of minor changes in grassland due to new data, corrections/improvements to boundaries etc.<br/>The total area of semi-natural grassland in the WHS and the Buffer Zone is 251 ha. This figure includes semi-improved and unimproved grassland (whereas before semi-improved was excluded)<br/>Of which –</p> <ul style="list-style-type: none"> <li>• 28.4 ha lowland dry acid grassland (priority habitat)</li> <li>• 1.59 ha lowland calcareous grassland (priority habitat)</li> <li>• 77.43 ha lowland meadow (priority habitat)</li> </ul> <p>This represents:</p> <ul style="list-style-type: none"> <li>• 9% of the total Ancient Woodland in Derbyshire</li> <li>• 10.6 of acid grassland in Derbyshire (outside PDNPark)</li> <li>• 0.4 % of calcareous grassland in Derbyshire (outside Peak District National Park)</li> <li>• 12.5 % of neutral grassland in Derbyshire (outside Peak District National Park)</li> </ul> |
| <b>Development pressure</b> | 8. Number of planning applications in the WHS (ICOMOS INDICATOR 15)                | <p><b>Amber Valley Borough Council</b><br/>Total number of applications in the WHS = 160.<br/>31 Householder – 1 returned; 2 refused; 28 permitted. 8 Change of Use – 1 withdrawn; 7 permitted. 7 Advertisement consent application – 1 returned; 2 withdrawn; 4 permitted. 1 Removal or variation of condition – permitted. 2 Outline planning application – 1 withdrawn; 1 permitted. 25 Full planning application – 3 withdrawn; 22 permitted. 1 Full planning application DCC – permitted. 17 Listed Building Consent - Alter/Extend – 1 returned; 1 withdrawn; 15 permitted. 1 Conservation Area Consent – permitted. 4 Article 4 (305) – 2 permitted; 2 refused. 3 Certificate of Lawful Use, Proposed – 1 withdrawn; 2 permitted. 1 Demolition Prior Notification – returned. 1 Prior Notification under Class J – permitted. 43 Pre Application Enquiry – 2 returned; 41 comments made. 3 CONCOM Compliance condition(s) Household – 3 comments made. 7 CONCOM Compliance condition(s) Other – 7 comments made. 5 Non Material Amendment following grant – 2 returned; 3 permitted.</p> <p>Total number of application site in the Buffer Zone = 274.<br/>90 Householder planning application – 5 withdrawn; 6 refused; 79 permitted. 9 Change of use planning application – 8 permitted; 1 withdrawn. 4 Advertisement consent application – 2 permitted, 1 withdrawn, 1 returned; 5 Removal or variation of condition – 5 permitted. 5 Outline planning applications – 2 refused, 2 permitted;</p>                      |

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|                                  |  | <p>1 reserved matters planning application, withdrawn. 38 full planning applications – 1 comment made, 2 withdrawn, 35 permitted. 8 Listed Building Consent - Alter/Extend – 6 permitted, 1 withdrawn. 1 Article 4 application – refused. 1 Certificate of Lawful Use, Existing – permitted. 7 Certificate of Lawful Use – Proposed – 1 withdrawn, 6 permitted. 1 Demolition Prior Notification – permitted. 1 Fell or Lop Tree(s) in Conservation Area – permitted. 66 Pre Application Enquiries – all had comments made. 5 CONCOM Compliance condition(s) Household – all had comments made. 12 CONCOM Compliance condition(s) Other – all had comments made. 11 Non Material Amendment following grant – 11 permitted. 2 PDR Householder – 1 permitted, 1 withdrawn.</p> <p><b>Derby City Council</b><br/>No. of Applications in the WHS = 8. No of Applications in the Buffer Zone = 42. Total = 50<br/><u>In WHS (not buffer zone)</u><br/>5 were approved with conditions; 1 was approved unconditionally; 2 raised no objections; 0 were withdrawn.<br/><u>In the Buffer Zone (42 Applications)</u><br/>30 were approved with conditions; 2 were approved unconditionally; 6 raised no objections; 3 were withdrawn; for 1, prior approval was not required.</p> <p><b>Derbyshire Dales District Council</b><br/>No of Applications in the WHS = 30. No of Applications in the Buffer Zone = 19. Total =49<br/><u>In WHS (not buffer zone):</u><br/>17 Approved with Conditions; 7 Refused; 2 raised No objections; 1 Permitted with No Conditions; 2 were Withdrawn; 9 for Listed building consent; 17 for Planning Permission; 0 Outline; 1 Variation of Condition; 2 County Matters; 0 for Telecommunications; 0 Agricultural Notifications; 0 Non Material Amendments; 0 Adverts; 0 Certificate of Lawful Use/Development.<br/><u>In the buffer zone:</u><br/>11 Approved with Conditions; 1 Refused; 2 raised No objections; 2 Approved with No Conditions; 1 were Withdrawn; 1 for Listed building consent; 10 for Planning Permission; 0 Outline; 0 Variation of Condition; 2 County Matters; 0 for Telecommunications; 2 Agricultural Notifications; 0 Non Material Amendments; 2 Adverts; 1 Certificate of Lawful Use/Development.</p> <p><b>Erewash Borough Council</b><br/>No data available.</p> |      |                  |       |                  |       |                   |          |                   |                |                   |
| <b>Change and Setting</b>        | 9. List of physical changes within the WHS, particularly with identified iconic views, & record of any loss (ICOMOS INDICATORS 5, 6, 9 & 46) | Over 40 monitoring views of the World Heritage Site were established and recognised by the Derwent Valley Partnership members in 2007/8. The establishment of a baseline reference in 2007/8 has allowed visual monitoring of these views to begin. It has been agreed this survey take place every five years, as part of the quinquennial review for the Management Plan. The latest survey took place in April 2012.   |      |                  |       |                  |       |                   |          |                   |                |                   |
| <b>USES &amp; INTERPRETATION</b> |  |   |      |                  |       |                  |       |                   |          |                   |                |                   |
| <b>Population</b>                | 10. Number of people living in WHS (ICOMOS INDICATOR 28)   | <p>Latest figures are for 2011:<br/>World Heritage Site: 6,368. Buffer Zone: 28,561.<br/>Age breakdown:</p> <table> <tr> <td>0-15</td> <td>WHS 967; BZ 4970</td> </tr> <tr> <td>16-29</td> <td>WHS 887; BZ 4352</td> </tr> <tr> <td>30-44</td> <td>WHS 1331; BZ 5785</td> </tr> <tr> <td>45-59/64</td> <td>WHS 1867; BZ 8317</td> </tr> <tr> <td>Retirement Age</td> <td>WHS 1332; BZ 5133</td> </tr> </table>  | 0-15 | WHS 967; BZ 4970 | 16-29 | WHS 887; BZ 4352 | 30-44 | WHS 1331; BZ 5785 | 45-59/64 | WHS 1867; BZ 8317 | Retirement Age | WHS 1332; BZ 5133 |
| 0-15                             | WHS 967; BZ 4970   |   |      |                  |       |                  |       |                   |          |                   |                |                   |
| 16-29                            | WHS 887; BZ 4352   |   |      |                  |       |                  |       |                   |          |                   |                |                   |
| 30-44                            | WHS 1331; BZ 5785  |   |      |                  |       |                  |       |                   |          |                   |                |                   |
| 45-59/64                         | WHS 1867; BZ 8317  |   |      |                  |       |                  |       |                   |          |                   |                |                   |
| Retirement Age                   | WHS 1332; BZ 5133  |   |      |                  |       |                  |       |                   |          |                   |                |                   |
| <b>Tourism</b>                   | 11. Number profile and   | In 2014-2015 the recorded visitors for Masson Mill (Museum &  |      |                  |       |                  |       |                   |          |                   |                |                   |

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|                                | satisfaction of visitors to the WHS (ICOMOS INDICATORS 8 & 10) | <p>Shopping Village), Middleton Top, High Peak Junction, John Smedley, Strutt's North Mill, Belper River Gardens, Cromford Mill, Derby Museums (Silk Mill, Pickfords and Museum and Art Gallery), Discovery Walks and Discovery Days were 514,893.</p> <p>A survey of visitors during the 2014 Discovery Days Festivals showed that 94.3% ranked the event they were attending as very good or excellent.</p>   |
|                                | 12. Economic impact (ICOMOS INDICATORS 12 & 14)                | <p>For the period covered by this report, at Darley Abbey Mills 9 new businesses located to the mill complex and this created approximately 15 new jobs; in Amber Valley 25 new and existing businesses were advised and supported through a number of schemes by the local authority; at Cromford Mills 3 new businesses located to the mill complex and this created 3 new jobs.</p>  |
|                                | 13. Local Community Involvement (ICOMOS INDICATOR 37)          | <p>Community groups which support one or more of the aims of the Derwent Valley Mills World Heritage Site include: The Arkwright Society; Friends of Cromford Canal; Belper Civic Forum; Belper Historical Society; Belper North Mill Volunteers; Darley Abbey Community Association; Darley Abbey Society; Friends of Belper River Gardens; Friends of Darley Open Spaces.</p> <p>There are about 60 active volunteers helping at the key mill sites. This increases dramatically during the Discovery Days Festival, when many more people volunteer their time and knowledge to provide over 100 activities over nine days.</p> <p>Community engagement projects are diverse and manifold across the site. Some are aligned closely with the work of the Derwent Valley Mills World Heritage Site team; others involve the work of partners but take place within the World Heritage Site itself and help promote the site. Specific examples of community engagement projects which have taken place in the reporting period include the continuing development of "cluster" groups of volunteers, local businesses and site representatives in Belper to explore ways of encouraging local pride in the world heritage site and to train local shop-keepers (known as Belper Ambassadors) in ways to disseminate the site's offer to visitors to the valley. This work helped Belper to win the Best Market Town category and 'Winner of Winners' in the 2014 Great British High Street Awards. The number of Belper Ambassadors increased to 83 from 40 businesses during 2014/15, and work was done to extend the scheme at Darley Abbey where there are now 12 Ambassadors, representing residents and 4 businesses. Preparatory work began on new Ambassador Schemes for Cromford and Milford, to launch in 2015/16.</p> <p>Derwent Pulse was a celebration of the Derwent Valley Mills and the River Derwent held in October/November 2014 and consisting of: A light flow of pulsating spheres in 17 passages along the river; The shepherding of the light flow by riverside schools and communities; Derwent Chart, a 6m long map of old and new cartography; Charting the Future, a range of new maps by riverside schools and communities; a Legacy screen combining images of the light flow; A web site to be archived as a record of Derwent Pulse.</p> |
| <b>Education and Promotion</b> | 14. Educational resources and activities (ICOMOS INDICATOR 11) | <p>The Derwent Valley Mills World Heritage Site (DVMWHS) Education working group continues to meet quarterly. This group brings together learning providers and site education staff from along the valley to share best practice, coordinate Derwent Valley Mills related education and learning projects and work together to promote learning about, within and for the site. In this context 'education' covers all elements of learning for all ages, abilities and groups.</p> <p>During the last year the Learning Co-ordinator for the DVMWHS</p>   |

left the post and the position has not been refilled. The organisation and co-ordination of the group is currently being carried out jointly by Derbyshire Environmental Studies Service and the Heritage Co-ordinator for the DVMWHS during a period of transition and reorganisation of the central team. Staffing changes have also occurred at Belper North Mill and other sites.

The DVMWHS Education Working Group are currently developing a learning strategy for the site which will detail priorities for education and learning and draw together the world heritage site educational work being delivered and developed for the site. When all sites have contributed this will become the ongoing monitoring and action planning document for learning across the site.

Derbyshire Environmental Studies Service (Derbyshire County Council) continues to support the learning work of the DVMWHS. Their work leading the Heritage Lottery Funded 'Young Roots' partnership project finished this year. The project, called 'Technology Then, Technology Now', involved young people aged 16 to 24 years old interpreting sites and locations across the DVMWHS and the technology, buildings and architecture of the past using highly specialised modern technology including digital archaeological laser scanning, photogrammetry, 3-D printing, virtual gaming technology and video editing. The young people created digital virtual tours and interpretation of sites along the DVMWHS which have been showcased at special events and made available to the public. As well as an archive archaeological record of the scanned and recorded sites the project resulted in a number of digital interpretative projects and 3-D printed artefacts. Two laptops are installed at Belper North Mill and High Peak Junction showcasing the digital products and the game which can be self-navigated using a gaming console. The digital video products are available to view online at [www.derbyshire.gov.uk/techthentechnow](http://www.derbyshire.gov.uk/techthentechnow) and on the new DVMWHS website at:  
<http://www.derwentvalleymills.org/derwent-valley-mills-projects/current-projects/the-technology-then-technology-now/>

A new website for the whole DVMWHS has been launched in partnership with the Heritage Lottery Funded DerwentWISE landscape partnership. The 'Learning' pages have been revised and revamped <http://www.derwentvalleymills.org/learn/> and will continue to be added to as new offers and projects develop.

Derbyshire Environmental Studies Service continue to offer fieldwork visits at a variety of sites along the DVMWHS and include the offer to spend a fieldwork day learning about the values and attributes of this world heritage site in their general offer. Free to download resources for staff and groups to lead their own learning visits are also available. More information is available at [http://www.derbyshire.gov.uk/education/schools/your\\_child\\_at\\_school/school\\_visits/environmental\\_studies\\_service/learning\\_outside/derwent\\_valley\\_mills/default.asp](http://www.derbyshire.gov.uk/education/schools/your_child_at_school/school_visits/environmental_studies_service/learning_outside/derwent_valley_mills/default.asp)

At Cromford Mills the staff have devised and introduced new interactive visits for schools to complement the more traditional guided tours. Costumed role-play and activity workshops have been popular and education group visits have increased by about 140% on the site in the last financial year with the largest increase in the primary sector. On-line and printed resources to support learning will be available for the new academic year (from September 2015).

The Friends of Cromford Canal group have re-established their trip

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|                              |   | <p>boat offering cruises between Cromford Wharf and Leawood Pumphouse. Most of the trips are powered by an electrically powered engine although some of the trips are horse drawn. Some trips are given entirely over to school visits and cover a commentary about the boat, the canal, its historical features and DVMWHS themes appropriate to the age and focus areas of the children visiting.</p> <p>Derbyshire County Council's Eco Centre at Middleton by Wirksworth have run 12 courses for 94 learners relating to the management and conservation of the DVMWHS as part of the Get skilled for DerwentWISE programme. These were held at various venues in and around the World Heritage Site. Five days training in woodland management planning for 10 Arkwright Society volunteers was also provided in December and January 2014/15.</p> <p>Sir Richard Arkwright's Masson Mills continue to offer the opportunity for school visits to tour the museum and site with demonstration sessions twice a day. Online web information utilising QR codes and free wifi are available on site to share more detailed information and supplement the visitor experience.</p> <p>Belper North Mill has a new centre manager and is building up its education and learning provision and this year took mainly primary age learning visitors.</p> <p>The Heritage Lottery Funded DerwentWISE Landscape partnership started this year and will run for a further four years. Some members of the DVMWHS Education Working Group are leading on learning projects in the wider world heritage landscape. Derbyshire Wildlife Trust are delivering projects including 'Learning my Landscape' and 'Derwent Explorers' with young people and Derbyshire Environmental Studies Service are co-ordinating a project training Forest School Leaders for long term learning use of woodlands with young people in the lower Derwent Valley.</p> |
|                              | 15. Number of visitors to website (ICOMOS INDICATOR 35)   | Due to new developments and significant changes to the <a href="http://www.derwentvalleymills.org">www.derwentvalleymills.org</a> website no full year data is available for 2014/15. The website was relaunched on 26th March 2015 so full year data will be available for 2015/16. The WHS Facebook page has a small but dedicated number of followers (106) and the Twitter account is followed by 2908 people.  |
| <b>Sustainable transport</b> | 16. % of visitors arriving or travelling within the WHS by other means than car (ICOMOS INDICATOR 40) | <p>Trying to establish a percentage of people not using a car to visit and move around the WHS has proven to be difficult, as so much movement within the Site is not recorded.</p> <p>However, the popularity and reliability of the hourly Derwent Valley Line train service has continued during 2014/15. During 2014/15, 90% of trains have run to time. There has been an increase of 8% in passenger journeys at local stations. Cromford, Matlock Bath and Belper saw 14%, 11% and 9% increases respectively.</p> <p><b>Discovery Days</b></p> <p>12.7% of visitors questioned during the Discovery Days weekend said they had used the bus or train to travel, whilst 21.7% had walked.</p>   |
| <b>Green agenda</b>          | 17. Environmental policy (ICOMOS INDICATOR 42)  | <p>Units of electricity produced by Hydro-power from turbines at the mill sites in the DVMWHS, between April 2014 and March 2015 are as follows:</p> <p>Milford - 996.069 MWh<br/> Belper - 1794.078 MWh<br/> Masson - 887.380 MWh<br/> Total - 3,677.527 MWh</p> <p>The amount of CO2 emissions saved can be calculated in two main ways. A general offset in CO2 emissions can be calculated using a</p>  |

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|   |  | <p>0.43 multiplier per mega Watt hour, or an offset in emissions that would have been produced by a coal fired power station can be calculated using a 0.86 multiplier per mega Watt hour.</p> <p>These methods give us a figure of either 1581 tonnes of CO2 saved per year as a general offset or 3162 tonnes per year as an offset against what would have been produced by a coal fired power station.</p> <p>Support for Transition Groups is growing in the DVMWHS. Transition Belper actively promotes a green agenda for the area, and has a growing number of subscribers to its e-bulletins. This rose from 678 in March 2014 to 753 in March 2015.</p>  |
| <b>Climate change</b>                             | 18. Number of floods (ICOMOS INDICATOR 43) | <p>Objective 10 of the Derwent Valley Mills WHS Management Plan states: 'Ensure that effective measures are in place to deal with risks and hazards that may threaten the site'. The Environment Agency has identified significant parts of the Derwent Valley floodplain which should remain undeveloped, thereby allowing for emergency water storage capacity in the event of flooding, helping to protect more vulnerable sites within the valley. Emergency Flood Plans are in existence, which refer to the World Heritage Site under "Special Considerations". These plans are regularly reviewed by the relevant Emergency Planning Authority.</p> <p>There were no serious flooding incidents in 2014/15 within the DVMWHS.</p>   |
| <b>MANAGEMENT</b>                                 |  |  |
| <b>WHS management</b> (All in ICOMOS INDICATOR 7) | 19. Management Plan                        | A Management Plan does exist for the Derwent Valley Mills WHS. This was adopted in 2002, with amendments in 2003 and again in 2007 following the quinquennial review. A full review took place in 2011-13, and was adopted in 2015.  |
|   | 20. Steering Group                         | The World Heritage Site is managed by a Board of ten, replacing a partnership of local authorities, agencies and local organisations which managed the site from 2001-2010 and now acts as a supporting forum.   |
|   | 21. Officer or WHS team                    | <p>A Director for the Derwent Valley Mills WHS began in post on April 1 2011. The full-time permanent posts of Heritage Co-ordinator and Business Services Assistant were joined by a Development Co-ordinator (in July 2011) and Learning Co-ordinator (in September 2011). The Learning Co-ordinator resigned in May 2014 and has not been replaced due to funding constraints. The job tasks have been absorbed by the other members of the team.</p> <p>World Heritage Site Coordinators – job description:<br/>To manage on behalf of the Derwent Valley Mills Partnership the Derwent Valley Mills World Heritage Site (DVMWHS) in accordance with the 1972 World Heritage Convention to which HM Government is a signatory. To develop the Derwent Valley Mills Management Plan and co-ordinate its implementation; provide a key point of contact for the World Heritage Site; and seek financial resources for core funding and development of projects to implement the Management Plan.</p> <p>Business Services Assistant – job description: To support the WHS team in delivering the objectives of the DVMWHS Management Plan.</p> |