

Derwent Valley Mills World Heritage Site Key Monitoring Indicators 2021

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 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 and 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 information gathered this year will be helpful in gathering information for the State of Conservation Report for the Derwent Valley Mills World Heritage Site, requested by UNESCO for submission by HM Government in December 2021.

The following indicators cover the period **1 April 2020 to 31 March 2021**.

Theme	Indicator	Assessment
CONSERVATION		
Protection	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. There have been no changes to the boundary in the period covered. The buffer zone covers 4362.7 hectares.
	3. WHS Policy in the Planning Development Framework (ICOMOS INDICATOR 1)	On 6th August 2020, the Ministry for Housing Communities and Local Government published a Planning White Paper entitled 'Planning for the Future', which sets out the Government's proposed reforms to the planning system in England. The White Paper sets out proposed wide ranging reforms to the Local Plan making process, including requiring local planning authorities to designate three types of land within their Local Plans including Growth Areas, Renewal Areas and Protected Areas. Protected Areas include the designation of internationally, nationally, regionally, or locally important environment protection areas, which would include World Heritage Sites. If the reforms in the White Paper are introduced by Government, there would be a need for the WHS Partnership to work with the relevant local planning authorities across the designated WHS area to ensure that the DVMWHS and Buffer Zone were appropriately defined and designated as a

		<p>Protected Area in their new style Local Plans and appropriate policies set out for the protection and enhancement of the OUV of the WHS. Within Protected Areas, outline and reserved matters planning applications would continue to be required for new development proposals, as in the current planning system. On 11 May 2021, the Queen's Speech contained details of the Government's intention to publish a Planning Bill in Autumn 2021, that will seek to enact many of the proposals in the White Paper.</p> <p>LOCAL DEVELOPMENT PLANS 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 'National Planning Policy for Waste' (16 October 2014) 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.</p> <p>MINERALS AND WASTE PLANS Derbyshire County Council prepares local planning policies for minerals and waste development, using the National Planning Policy 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. The Derby and Derbyshire Minerals and Waste Local Plans contain policies which protect interests of acknowledged environmental importance, including the World Heritage Site. These plans are currently being reviewed, particularly to update them to take account of the revisions to the National Planning Policy Framework and Planning Practice Guidance. It is anticipated that the Minerals and Waste Plans will be submitted for Examination in 2022 with likely adoption in 2023.</p>
	4. Planning guidance for development in the WHS (ICOMOS INDICATOR 18)	<p>Since around 2010, all Derbyshire Local Planning Authorities have carried out reviews of their Local Plans, with the majority of Local Plans having been adopted and which 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>Derbyshire Dales</p> <p>The Examination in Public of the Draft Local Plan took place in Summer 2017. The Derbyshire Dales Local Plan was formally adopted by Council on 17 December 2017.</p> <p>Policy PD2: Protecting the Historic Environment, seeks to conserve heritage assets in a manner appropriate to their significance. This will take into account the desirability of sustaining and enhancing their significance and will ensure that development proposals contribute positively to the character of the built and historic environment. The policy indicates that particular protection will be</p>

		<p>given to designated and non-designated heritage assets and their settings including the Derwent Valley Mills World Heritage Site.</p> <p>Derbyshire Dales District Council has adopted Supplementary Planning Documents (SPDs) relating to: The Conversion of Farm Buildings (revised and re-adopted - 2019); Shop Fronts & Commercial Properties (revised and re-adopted - 2019); and Landscape Character (adopted – 2007).</p> <p>In early 2021, Derbyshire Dales District Council commenced a review of its Local Plan. On 23 June 2021, the District Council published its Derbyshire Dales Local Plan Sustainability Appraisal (SA) Scoping Report, which seeks to identify key social, economic and environmental issues that will need to be addressed in the Local Plan Review. Reference is made in Chapter 17: Heritage, to the Derwent Valley Mills World Heritage Site and the aims of the WHS Management Plan, as important considerations which will need to be taken account of in preparation of the Local Plan Review.</p> <p>Amber Valley</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 EN29). 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 or its setting.</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>A new Amber Valley Borough Local Plan which included a specific policy relating to the Derwent Valley Mills World Heritage Site was prepared and was submitted to the Secretary of State for examination on 2 March 2018. An Examination in Public took place in June 2018 (after the period covered in this review) but was suspended by the Inspector in July 2018 pending further work by Amber Valley Borough Council, particularly the need to carry out a strategic Green Belt Review of the Borough. Following the completion of a Green Belt Review, the Council published a Green Belt Amendments & Additional Site Allocations document in March 2019, for public consultation. Following the receipt of representations, the Council resolved in May 2019 to withdraw the Submission Local Plan. A proposed indicative programme and timetable for the preparation of a new Local Plan through to adoption was agreed by the Council in November 2019 and this was subsequently confirmed in January 2020. This programme and timescale were subsequently refreshed by the Borough Council in June 2021, with a target for adoption by September 2023. On 8 July 2021, Amber Valley Borough Council published its Amber Valley Local Plan Alternative Strategy Options for Housing and Economic Growth as a first key stage of preparation of the new Local Plan.</p>
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		<p>found throughout the Saved Policies document. Policies such as H12: Quality & Design (of Residential Development), EV5: Conservation Areas (Rigga Bank CA is located wholly within the extent of the WHS, whilst a small element of the Little Eaton CA is also situated within the area defined by EV19) and EV6 & EV7 establish the Borough Council's approach to development affecting Listed Buildings and Buildings of Local Interest.</p> <p>Erewash Borough Council commenced a review of its Adopted Core Strategy (Local Plan) in 2019, which is being carried out concurrently with Local Plan Reviews being undertaken by the other local planning authorities in the Greater Nottingham Housing Market Area. As a first key stage in preparation of the Core Strategy Review, in January 2020, Erewash Borough Council published its Erewash Core Strategy Options for Growth for consultation. This was followed by a further consultation in March 2021 on its Erewash Core Strategy Revised Options for Growth.</p> <p>National guidance</p> <p>The Government published its revised National Planning Policy Framework on 19 February 2019, which is supported by associated online Planning Practice Guidance, 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 historic environment section does include World Heritage Sites. These are highlighted as being of the highest significance as heritage assets, which are internationally recognised to be of Outstanding Universal Value and that such assets are an irreplaceable resource and should be conserved in a manner appropriate to their significance. The new Framework reaffirms that Heritage Impact Assessments are good practice, and changes to World Heritage Attributes must only be in exceptional circumstances.</p> <p>The Framework requires that, when considering the impact of proposed development on the significance of designated heritage asset, great weight should be given to the asset's conservation and the more important the asset, the greater the weight should be. Where a proposed development would lead to substantial harm to (or total loss of) a designated heritage asset, local planning authorities should refuse consent, unless it can be demonstrated that the substantial harm or total loss is necessary to achieve public benefits that outweigh that harm or loss.</p> <p>On 20 July 2021, a revised version of the NPPF was published by MHCLG and came into force with a greater emphasis on creating safe, beautiful and sustainable developments of high-quality design.</p> <p>There is a clear emphasis in the Framework on improving the design quality of new developments. Local authorities will now be required to produce local design codes or guides with the intention of creating well-designed, beautiful and safe places. Significant weight should now be given to development which reflects local and government design guidance and policy and development not well designed should be refused.</p> <p>There will be a presumption in favour of sustainable development with a requirement that "all plans should promote a sustainable</p>
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	5. Designations (ICOMOS INDICATOR 19)	<p>There are 370 Listed properties in the WHS which are comprised of over 860 individual homes, businesses and structures. There are 13 Scheduled Monuments and 811 Monument records (records of other heritage assets) 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) is 51.3%. The percentage of the buffer zone covered by the same designations is 31.7%.</p>
Condition of site	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 2017, with the next planned for April 2022.</p> <p>Buildings at Risk A general air of relative 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> Due to the addition of East Mill, there are 10 buildings at risk in the Borough that lie within the World Heritage Site, 3 of which are also on the Historic England 'Register of Heritage at Risk' (grade I and II* listed). The North Mill, Bridgefoot, Belper is the earliest example of a completely iron framed mill in the world and is currently in poor condition. Applications for full planning permission and Listed Building Consent for a mixed-use development, including conversion of the iconic East Mill to 117 apartments, were submitted in October 2018. An offer of grant assistance from the WHS-focused NLHF/ACE Great Place Scheme was offered to the owners of the Mill site, for a fully-costed condition survey and repairs schedule. The planning applications and the Condition Survey are on-going. Following the granting of planning permission and LBC has been granted for substantial repairs and re-use of the Former Canal Lengthman's Cottage, by Cromford Canal, the building has received a new roof structure, with authentic Derbyshire stone slate/Welsh slate roof covering, new window frames and entrance door, with the walls having been repaired and re-pointed using traditional building techniques, to consolidate the external envelope of the building, in preparation for its re-use as a visitor centre for the Lea Wood Nature Reserve for/by the Derbyshire Wildlife Trust. Pottery Methodist Chapel is now under new ownership. The new owner is currently developing plans for an application likely to be submitted later this year (2021). Substantial clearance works have been carried out internally and the new owner has also purchased a strip of land adjacent to the rear of the property to facilitate better access.</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 Historic England 'Register of Heritage at Risk' (grade I and II* listed) which are:</p> <ul style="list-style-type: none"> ▪ Darley Abbey Mills (South complex) Long Mill and West Mill - roof and general repairs have been completed to Long Mill. It is to remain on the list until necessary repairs have been carried out on all buildings within this entry where needed. ▪ Darley Abbey Mills (North complex) North Mill, Engine House and Boiler House, ▪ Darley Abbey Mills (North Complex) preparation building, cottage, workshop & cart sheds. Old Lane, Darley Abbey. <p>Within the buffer zone there was one entry on the Historic England National List; Allestree Hall. There have been applications submitted for the conversion of this building to a wedding venue – which have been approved and works on discharging pre-commencement conditions of the permission are about to start.</p> <p>Within the buffer zone there was one entry on the Historic England National List; Allestree Hall. There has been applications in for the conversion of this building to a wedding venue – which are currently going through the planning process.</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. Discussions are intermittently being undertaken with the Arkwright Society, Historic England and Derbyshire County Council Highways Authority.</p> <p>At the end of March 2021, Derbyshire Dales District Council had 1 entry within the WHS included on the Historic England 'Register of Heritage at Risk' which includes:-</p> <ul style="list-style-type: none"> - Buildings 1, 18 & 26, Cromford Mill, Mill Road (Grade I)* and - The Aqueduct, Mill Road (Grade I)* <p>* The buildings at the Cromford Mill site are identified as a single entry.</p> <p><u>Erewash</u></p> <p>Erewash does not have any entries on the Buildings at Risk register which relate to buildings situated within the extent of WHS located inside the Borough.</p>
	7. List and condition of natural features within the WHS (ICOMOS INDICATORS 3 & 4)	<p><u>Woodland</u></p> <p>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"> • The area of ancient semi-natural woodland (excluding plantation on ancient woodland site) is 413 ha of which 220 ha is known to be managed positively (53%). • The area of PAWS is 113.5 ha of which 65.5 ha is managed (57%). • The area of secondary woodland is 399.39ha (c.110 ha known to be managed). • 5.76 ha new (since 1980) woodland (2.63ha managed).

		<p><u>Grassland</u></p> <p>There have been a number of minor changes in grassland due to new data, corrections/improvements to boundaries etc.</p> <p>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)</p> <p>Of which –</p> <ul style="list-style-type: none"> • 27.86 ha lowland dry acid grassland (priority habitat). • 1.73 ha lowland calcareous grassland (priority habitat). • 81.99 ha lowland meadow (priority habitat) – a slight increase of 0.46 ha. <p>This represents:</p> <ul style="list-style-type: none"> • 9% of the total Ancient Woodland in Derbyshire • 11.29% of acid grassland in Derbyshire (outside PDNPark) <ul style="list-style-type: none"> • 0.3% of calcareous grassland in Derbyshire (outside Peak District National Park) • 11.5 % of neutral grassland in Derbyshire (outside Peak District National Park)
Development pressure	8. Number of planning applications in the WHS (ICOMOS INDICATOR 15)	<p>Amber Valley Borough Council</p> <p>Total number of applications in the WHS =120. Permitted – 93; Refused – 19; Withdrawn – 7; Application returned – 1.</p> <p>Total number of application site in the Buffer Zone = 187. Permitted – 146; Refused – 21; Withdrawn – 11; Application returned – 6; Comment made – 3.</p> <p>Derby City Council</p> <p>Within WHS: 23 Applications received – 17 determined, 6 undetermined. 11 Determined: Granted Conditionally = 14 (5 FUL apps, 5 LBA, 2 Works to TPO trees, 1 Non Material amendment, 1 Certificate of lawful Existing Development. Raise No Objection = 3 (Works to Trees in CA). 5 Undetermined (1 ADV, 1 CAT, 2 FUL, 2 LBA)</p> <p>Within WHS Buffer : 89 Applications received – 85 Determined, 4 Undetermined. Determined: Granted Conditionally = 62 (48 FUL, 10 TPO, 1 LBA Consents, 1 Variation of Condition, 1 Certificate of lawful Proposed development, 1 Certificate of lawful Existing development). Raise No Objection = 17 (17 CAT). Refused = 5 (3 FUL, 1 Certificate of lawful Proposed development, 1 TPO). 4 Undetermined (3 FUL, 1 LBA)</p> <p>Derbyshire Dales District Council</p> <p>Applications received between 1 April 2020 and 31 March 2021:</p> <ul style="list-style-type: none"> • No of Applications in the WHS = 16. • No of Applications in the Buffer Zone = 17. <p>Total = 33</p> <p>In WHS (not buffer zone): 13 Approved with Conditions; 0 Refused; 3 Permitted with No Conditions; 0 Withdrawn; 0 raised No objections; 10 for Listed Building Consent; 6 for Planning Permission; 0 for Outline; 0 Variation of Condition; 0 County Matters; 0 for Telecommunications; 0 Agricultural Notifications; 1 Non Material Amendment; 0 Adverts; 0 Certificate of Lawful Use/Development.</p> <p>In the Buffer Zone: 13 Approved with Conditions; 0 Refused; 4 Permitted with No Conditions; 0 raised No objections; 2 for Listed Building Consent; 14 for Planning Permission; 0 for Outline; 0 County Matters; 0 Adverts; 0 Certificate of Lawful Use/Development, 1 Variation of Condition(s).</p>

		<p>Erewash Borough Council</p> <p>There was one planning application in the WHS in Erewash, to enhance the Derwent Valley Trail. This application is still under consideration.</p> <p>In the WHS Buffer Zone, permission was granted for one domestic extension, one works to a TPO tree and seven other works to trees in a Conservation Area.</p> <p>A38 Derby Junctions Scheme</p> <p>The A38 Derby Junctions Scheme is being promoted by Highways England for the grade separation of the three existing junctions on the A38 through Derby falling within Derby City (Kingsway and Markeaton Junctions) and Erewash Borough (Little Eaton Junction). The scheme was subject to a Development Consent Order (DCO) application to the Secretary of State for Transport that was submitted by Highways England in April 2019 and for which the Examination in Public took place between October 2019 and July 2020.</p> <p>The proposed Little Eaton junction improvements impact on the DVMWHS buffer zone and include a new bridge crossing over the River Derwent and new flyover over the existing Little Eaton roundabout. Landscape and visual impacts on the OUV of the WHS have been an important issue that has been considered through the examination process, particularly the design of the new bridge crossing and flyover. The Secretary of State granted the DCO for the scheme on 8 January 2021. However, the decision was subject to a legal challenge through the High Court by a climate change campaign group and on 8 July 2021, the challenge was upheld by the Court and the Development Consent Order was quashed. A new DCO is likely to be submitted by Highways England to the Department of Transport. Should the DCO be granted (decision expected in Summer 2022) Highways England plans to commence work on the scheme in the Winter of 2022.</p>
Change and Setting	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 2017. The next will be in April 2017.
USES & INTERPRETATION		
Population	10. Number of people living in WHS (ICOMOS INDICATOR 28)	<p>Latest figures are for 2011:</p> <p>World Heritage Site: 6,368. Buffer Zone: 28,561.</p> <p>Age breakdown:</p> <p>0-15 WHS 967; BZ 4970</p> <p>16-29 WHS 887; BZ 4352</p> <p>30-44 WHS 1331; BZ 5785</p> <p>45-59/64 WHS 1867; BZ 8317</p> <p>Retirement Age WHS 1332; BZ 5133</p>
Tourism	11. Number profile and satisfaction of visitors to the WHS (ICOMOS INDICATORS 8 & 10)	<p>In 2020-2021 the recorded visitors for Middleton Top, High Peak Junction, Strutt's North Mill, Belper River Gardens, Cromford Mill, Derby Museums (Silk Mill and Museum and Art Gallery) were 133,097.</p> <p>The figures are much lower than previous years. For much of the year sites and attractions were closed due to the pandemic. On the whole most sites were closed until July or August 2020, reopened briefly and then closed again in November until June 2021. The attractions with outside space were open for slightly</p>

		<p>more of year, although they were also closed for many months at a time.</p> <p>Masson Mills Shopping Village and Museum, Leawood Pumphouse, Birdswood and Pickford's House were all closed for the whole of the last year due to the pandemic and John Smedley have been unable to provide data due to issues with the technology.</p> <p>During the 2020 online Discovery Days Festival the following data was collected: Discovery Days main page: 970 views; Discovery Days Friday: 246 views; Discovery Days Saturday: 413 views; Discovery Days Sunday: 148 views.</p> <p>Many events went online during this period, being transmitted live, and recorded for future viewing. During the time covered by this report, events of this type attracted 3,177 viewings.</p>
	12. Economic impact (ICOMOS INDICATORS 12 & 14)	<p>For the period covered by this report at Cromford Mills 11 new businesses located to the mill complex and this created 12 new jobs. In terms of business support in the Amber Valley area of the DVMWHS, 32 businesses were supported over the year with training, 4289 businesses received grants to support them through the pandemic from a range of local, regional and national grant schemes, and 225 businesses have received support through the local enterprise partnership to assist their business.</p> <p>The value of secondary spend in the DVMWHS was worth £3,270,060 (this is calculated on visitor numbers using the Economic Value of the Independent Museum Sector: Toolkit)</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 Historical Society; Belper North Mill Volunteers; Darley Abbey Community Association; Darley Abbey Society; Friends of Belper River Gardens; Friends of Darley Open Spaces; Belper Clusters Group, Belper Neighbourhood Plan Group, Accessible Belper, Darley Abbey Historical Group, Milford and Makeney Community Group and The Belper Strutts Society.</p> <p>There are usually about 70 active volunteers helping at the key mill sites. During the pandemic, this reduced significantly, and did not return to pre-Covid 19 levels during the time covered by this report.</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. The community engagement projects which have taken place in the reporting period – i.e. during the pandemic – were carried out through the National Lottery Heritage Fund and Arts Council England funded Great Place Scheme using digital media.</p> <p>Over the year 8,201 volunteer hours were recorded from Strutt's North Mill, Cromford Mill and Derby Museums and Friends of Cromford Canal. This is much lower than previous years as several attractions reliant on volunteers did not open at all and others had very limited opening hours.</p> <p>The number of Ambassadors for Belper (162), Darley Abbey (30) and Milford Ambassador (5) remained static during the time covered by this report, as pandemic restrictions made delivery</p>

		impossible. Extensive work was carried out to create a new Cromford Ambassador Scheme, and update the three other schemes, ready for a re-launch in 2022.
Education and Promotion	14. Educational resources and activities (ICOMOS INDICATOR 11)	<p>The Derwent Valley Mills World Heritage Site (DVMWHS) education and promotion has been significantly impacted during the reporting period by the Covid-19 pandemic with sites closed, many staff on furlough and several periods of full lock down impacting on project delivery and visitors and groups unable to visit for most of the time period.</p> <p>The DVMWHS Learning Group (coordinated by Derbyshire Environmental Studies Service) has met on line throughout the pandemic and continued to collaborate together to deliver educational activities and promotion through the time period outlined below.</p> <p>DVMWHS Discovery Days Festival and DVMWHS At Home: In Autumn 2020 the annual DVMWHS Discovery Days Festival responded to the Covid-19 pandemic changing from 100+ live events and activities to being delivered fully online. The offer included Live Stream events and recorded performances of poetry, 'Burn Bright', 'She Speaks' Tales of Derby Women Past and songs. It also included a huge range of videos, talks and presentations on different aspects of the DVMWHS picking up attributes and elements and communicating OUV. It also included virtual tours – including of the new Belper Library and researching tips. We were also able to share the digital modelling through time sharing of different project outcomes and children's 'How to' Activities and crafts linked to our heritage. This approach reached new audience groups locally and world-wide and the long term resources all available online. http://www.derwentvalleymills.org/visit/where-to-visit-in-the-derwent-valley/our-festivals/. This supplemented the DVMWHS 'at Home resources and activities that had been provided earlier in the year: http://www.derwentvalleymills.org/discover/learning-for-all/learning-families/derwent-valley-mills-at-home/</p> <p>In October 2017 The National Lottery Heritage Fund, Arts Council England and Historic England awarded the DVMWHS Partnership a £1.5m Great Place scheme – called Vital Valley. This scheme will now run until June 2021 and projects have been adapted to respond to operating within a pandemic. The Great Place Scheme vision is to inspire and enable people to have a sense of pride in and belong to the Derwent Valley Mills World Heritage Site and to do this by celebrating the Valley's heritage and through arts.</p> <p>Derbyshire Environmental Studies Service (DESS):</p> <p>Crafting at Home: In April 2020 DESS created 6 short 'how to' craft videos with simple activities that people could try out at home linked to the textiles heritage of the DVMWHS. These were intended to provide alternative engagement during the pandemic lock down. These were made available on line, promoted via social media and the six videos have been viewed 570 times. http://www.derwentvalleymills.org/discover/learning-for-all/learning-families/derwent-valley-mills-at-home/crafting-at-home/</p> <p>DVMWHS Governance, Management Plan Induction and Implementation:</p>

		<p>The Great Place Scheme commissioned DESS to coordinate and lead on the formation of the two new governing groups for the DVMWHS Partnership – The Technical Group and the Strategic Board. New reporting systems were developed linked directly to the delivery of the DVMWHS Management Plan. The relevant representatives were brought together and an induction session delivered online to make members aware of their roles, responsibilities and the OUV of the DVMWHS. Initial reporting was carried out against the actions within the DVMWHS Management Plan.</p> <p>Enslavement Acknowledgement, Diversity and Representation: During the formation of the new governing groups for the DVMWHS it is apparent that more needs to be done to acknowledge the story of enslavement and colonialism in communication of the heritage of the site. A session is planned for June 2021 looking at how we collectively take this forward and examining how we increase diversity and representation in our staff, volunteers and visitors.</p> <p>DVMWHS Offline Creativity Packs: We were conscious that not everyone had the materials or confidence to have a go at something creative at home during the first lockdown and online digital approaches were not reaching some audiences through digital poverty, lack of computer technology or not appropriate for users. We also know that creativity, culture and the arts can have a positive impact on mental health, wellbeing and bringing communities together. At this time of isolation this project was a way of reaching out into communities to support and encourage participation from a wider range of people. We provided boxes of art and craft equipment and booklets of printed instructions of activities linked to the DVMWHS. The activities, put together by DESS, local artists and site volunteers, are inspired by the world's first water powered factories, the surrounding landscape and the textiles heritage of the area. Two types of pack were created – one for teenagers and adults, and one for families with younger children. These targeted Young People aged 14 – 19 not in mainstream education, vulnerable adults who may have been participating in schemes with adult education groups particularly around mental health support, Age UK and dementia support groups unable to meet, young people and families who are part of our Virtual School, children's homes, foster families, families using food bank facilities and family support facilities and families with children who have autism. 174 packs were distributed and incredibly well received inspiring lots of creativity and later visits to the site when lockdown eased. The activities have been available online and can be viewed at: http://www.derwentvalleymills.org/discover/learning-for-all/learning-families/derwent-valley-mills-creative-activities/</p> <p>DVMWHS Children's Guide: The Story of the Derwent Valley Mills World Heritage Site: As part of the Great Place funding a new Children's Guide has been created for the DVMWHS. Written by Georgina Greaves, Adrian Farmer and Alison Vasey and Adrian Farmer and illustrated by Rebecca Morledge the new book explains what a world heritage site is and why the DVMWHS was inscribed touching on the key themes, attributes and elements. The booklet was sent out to local schools and is available free of charge from the visitor attractions. A series of launch 'zoom into the classroom' sessions were delivered. Children received copies of the booklet and then were able to 'ask the experts' questions to help them to</p>
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	15. Number of visitors to website (ICOMOS INDICATOR 35)	<p>The www.derwentvalleymills.org website once again provides a globally-accessible source of in-depth information about the Derwent Valley Mills during 2020/21. There were 105,969 page views, 48,086 sessions and 38,064 users. The average number of pages viewed per visit was 2.2 and the average time spent on the website per visit was 1 minute 48 seconds. The WHS Facebook page has a small but growing number of followers (1,847) and the Twitter account is followed by 4962 people. We have 858 Instagram followers, and 2,608 subscribers to the e-newsletter.</p>
Sustainable transport	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>The COVID-19 pandemic and resultant travel restrictions led to a major fall in all train travel throughout the country in 2020/21. As a result, passenger use was 20% of the previous year on the Derwent Valley Line. For future years, comparisons will be made with 2019/20 figures as a pre-pandemic baseline.</p>
Green agenda	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 2020 and March 2021 are as follows: Milford - 648 MWh Belper - 1376 MWh Masson – 598 MWh Total –2622 MWh</p> <p>A general offset in CO₂ emissions can be calculated using a 0.25 multiplier per MWh, this is just a rule of thumb as the UK energy mix varies over time. This give us a figure of 656 tonnes of CO₂ saved per year.</p> <p>Support for Transition Groups continues in the DVMWHS. Transition Belper actively promotes a green agenda for the area and has a steady number of around 800 subscribers to its e-bulletins. There was a slight decrease in subscribers from April 2020 (808) to March 2021 (795), which is healthy considering that TB was not able to run public facing events throughout 2020 / 21. In addition, the Transition Belper Facebook page now has 1,100 followers. In</p>

		December 2020 the Transition Belper Group also gained funds from National Lottery Community Funding (via the Transition Network). These funds will be used to support a Community Conversation around a sustainable Belper and to build a mobile solar power trailer unit designed to power the music PA at Belper Goes Green and similar outdoor events.
Climate change	18. Number of floods (ICOMOS INDICATOR 43)	Objective 1.9 of the 2020 Derwent Valley Mills WHS Management Plan states: 'Ensure owners and partners have plans in place to accommodate unexpected change, such as natural disasters and climate change'. 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. There were no serious flooding incidents in 2020/21 within the DVMWHS.
MANAGEMENT		
WHS management (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. Work on the next iteration of the Management Plan began in 2018 and was endorsed by Historic England and DCMS, and sent on to UNESCO Centre in 2020.
	20. Steering Group	Management of the World Heritage Site was reviewed in 2018-2020, as part of the 2020 Management Plan revisions, and the Steering Group replaced with a new Strategic Board which first met in January 2021.
	21. Officer or WHS team	Since March 2017 the coordination team has reported to the Head of Conservation, Heritage and Design at Derbyshire County Council. There are two full-time permanent posts of Heritage and Development Co-ordinators with the previously full-time post of Business Services Assistant now shared with Derbyshire's Environmental Studies Service. This is a considerable reduction in resources for the core team, which once had five full-time posts. Whilst much of the work of the team has been maintained, its long-term ability to provide an appropriate level of service is under strain. During the time covered by this report, two full-time officers were employed to deliver a NHLF/ACE funded Great Place Scheme for the DVMWHS. One of these officers left in November 2020.