

Kielder Viaduct

Catalogue of archive material

This catalogue was compiled between August 2013 and January 2014 for the Kielder Viaduct Heritage Project.





It details who holds what and where it can be found, including catalogue reference numbers, copyright information, credits and acknowledgements.





The Project would like to thank the many archivists and agencies who have assisted in helping to create this catalogue, including staff from Northumberland Estates.

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For more information about the Kielder Viaduct and the heritage of the North Tyne Valley visit www.visitkielder.com/ourhistory




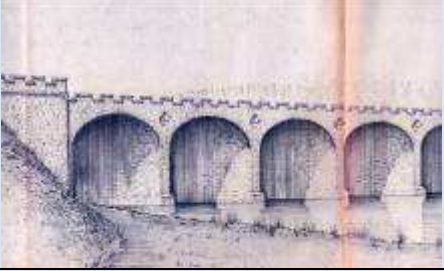


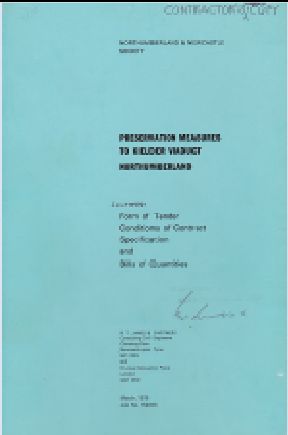

Where held	Source	Subject	Date	Catalogue no.	Copyright
Forestry Commission, Bellingham Office					
	Photograph B&W	Viaduct, river and cottages	Easter 1979	K633/B2	V Blankenburgs, Stamp on reverse: C.B. Studios, 6 Centre Court, The Oval, Brookfield, Middlesbrough 01642 595547 (Untraced)
	Photograph B&W	Viaduct and river	Easter 1979	B633/A4	
	Photograph B&W	Viaduct (part) road and Viaduct Lodge		Unassigned	
	Photograph B&W	View downstream from parapet	These images in same album of labelled images of prospective sites for Kielder Reservoir project.	S12 P89	

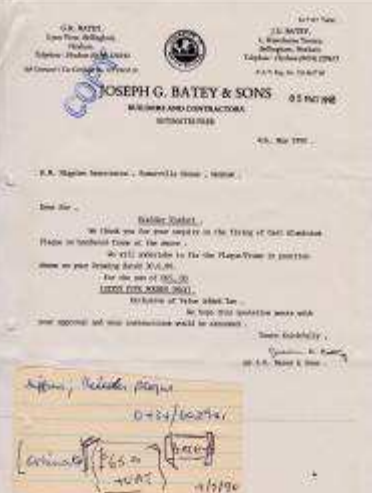

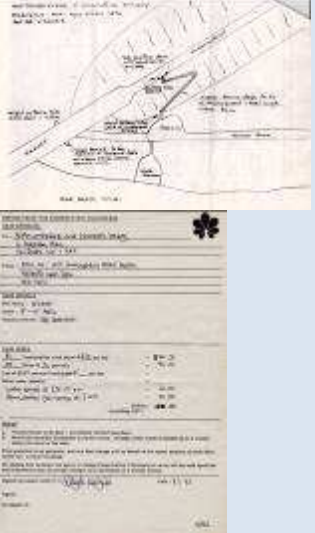
	Photograph B&W	View from parapet to road and cottages		S12 P18	
	Photograph B&W	Viaduct, Viaduct Lodge and road		S14 P20	V Blankenburgs,
	Photograph B&W	Viaduct, Viaduct Lodge with tree and grass in front	5.9.1949	VB 899 *18849	*Images have a separate 'Beamish' number.
	Photograph B&W	Viaduct and Viaduct Lodge from road junction	5.9.1949	VB 800 *18851	



Northumberland & Newcastle Society

	Photograph colour	Viaduct from the air taken before flooding of reservoir			Professor G E M Hallet Address on reverse of images.
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	Photograph colour	Viaduct from the air taken just after flooding of reservoir	1982		
	Plan	Conveyance document showing extent of ownership with more detailed and larger- scale insert of Viaduct	Unknown		
	Photograph colour	Passenger steam train crossing Viaduct	1953		E E Smith
	Drawing	Detail of elevation drawing, Scale 1:2500	1974-77	Job number 641 Drawing number 191	Frederick Gibberd & Partners, 8 Percy Street, London W1
	Plans	Set of plans relating to the 'Protection to Piers' project.	1974-77		Babtie Shaw and Morton Consulting Civil and Structural Engineers 95 Bothwell Street, Glasgow G2 7HX








	Tender/contract	<p>Hardback contractor's copy of <i>Preservation measures to Kielder Viaduct</i>. Contains form of tender, conditions of contract, specification and bills of quantities. Between Northumberland and Newcastle Society, Wimpey construction UK and R T James & Partners, Consulting Civil Engineers. Supplemental agreement with Northumbrian Water Authority. List of signatories and large site plan with description of works.</p>	March 1979		Northumberland and Newcastle Society
	Dossier	<p>Extensive collection of detailed documentation relating to 'Preservation Measures to Kielder Viaduct'.</p>	March 1979-December 1980		
	Booklet	<p>Promotional 12-page booklet outlining the Kielder Project. Page 12 refers to archaeology and Kielder Viaduct</p>	Unknown		Published by Northumbrian Water. Copy held by Northumberland and Newcastle Society






	<p>Estimate letter</p>	<p>Estimate from J G Batey & Sons to fix Viaduct plaque onto pier, previously sited on parapet but subject to vandalism.</p>	<p>5th May 1990</p>		<p>Copy held by Northumberland and Newcastle Society</p>
	<p>Letter</p>	<p>Letter from Sir Rupert Spier MP, offering to cover cost of legal fees to transfer ownership to N&N Society</p>	<p>12th June 1989</p>		<p>Original held by Northumberland and Newcastle Society</p>
	<p>Collection of letters, bills, receipts and plans</p>	<p>The installation of footpath and steps up to Viaduct from car park by 10 British Trust for Conservation Volunteers from 8th to 16th April 1983 who were lodged at the Bothy. Receipts include supply of larch, installation of cooker and reconnection of electricity, donation of £50 by Sir Rupert Spier, £300 grant from Countryside Commission. Correspondence relating to the official opening of steps on Saturday 25th June 1983 at 3.15pm.</p>	<p>August 1982-83 Plan attached to letter dated 24th January 1983</p>		








	Report	Report for 1992 AGM lamenting lack of signage, an application for permission to abseil (declined) and noting that British Rail had recently put on the market ten viaducts in northern region – just as N&N were trying to find someone to take on the Kielder Viaduct.	1992 (N&N archive holds many other reports prepared for AGMs).		
	Deeds	Copy of photocopy of the deeds of conveyance of the Viaduct to Colonel Richard Burn, Professor Brian Hackett and Sir Rupert Spier.	9 th May 1968		





The Heritage Centre at Bellingham

	Postcard colour	Viaduct	1904-07	P2003.43.15 NRO also hold B&W negative	Published by Richardson & Co, Hexham
	Postcard colour	Kielder Castle	1904-07	P2003.43.16	Image V Blankenburgs,


		Postcard B & W	Kielder Castle and edge of Border Forest Park		P2003.43.17	Published by Jarrold and Sons, Ltd Image V Blankenburgs,
		Postcard B & W	Kielder Castle, W P Collier	Postmarked 1904	P2004.44.3	W P Collier/Heritage Centre
		Postcard colour	Viaduct and Viaduct Lodge		P2004.43.14	Mrs I Smith, Hexham W.I.
		Postcard colour	Viaduct and Viaduct Lodge	1970s	Kielder Viaduct 1970s postcard VBlankenburgs	V Blankenburgs,
		Postcard B & W	Kielder School with Viaduct in background, W P Collier	1935. Postmarked 1939	P2003.39.22	W P Collier/Heritage Centre
		Postcard B & W	Viaduct and river, W P Collier		P2004.42.46	W P Collier/Heritage Centre
		Postcard B & W	Viaduct. Original 'Unique' series postcard		P2004.44.17	Walter Benton, Newcastle





		Postcard B & W	Postcard of Kielder with collage of 7 photographs	Postmarked 1935	P2004.44.16	All images WP Collier from rare postcard from the Stan Owen Collection
		Postcard B & W Scan only	Postcard of Kielder with collage of five photographs.	Undated	P2013.67	All images WP Collier from rare postcard from the Ged Short Collection
		Postcard B & W Scan only		Undated	P2013.68	Photographer unknown. Postcard from the Ged Short Collection
		Photograph B & W	Viaduct		P2003.37.23	E E Smith
		Postcard B & W	Kielder Glen, viewed from Viaduct, W P Collier		P2004.43.7	W P Collier image used on postcard published by E Dobbin


	Postcard B & W	Viaduct with river in foreground, W P Collier		P2003.27.4	W P Collier/Heritage Centre
	Postcard B & W	Kielder School with Viaduct in background, W P Collier		P2003.27.35	W P Collier/Heritage Centre
	Postcard B & W	Viaduct (in distance), cottages and building materials, W P Collier		P2003.33.7	W P Collier/Heritage Centre
	Postcard B & W	Reedsmouth Viaduct (useful for comparison), W P Collier		P2003.37.19	W P Collier/Heritage Centre
	Photograph B & W	Reedsmouth Viaduct with smaller bridge in front (useful for comparison)		P2003.37.26	E E Smith
	Photograph B & W	View from Kielder School with Viaduct in distance, W P Collier		P2004.43.1	W P Collier image used on postcard published by E Dobbin
	Photograph B & W	Kielder Castle, W P Collier	1920/1	P2004.43.3	W P Collier/Heritage Centre

	Photograph B & W	View from Kielder School with Viaduct in distance, W P Collier		P2004.62.103	W P Collier/Heritage Centre
	Photograph B & W	Viaduct, Viaduct Lodge, shed and telegraph pole		Kielder Viaduct 010771 PS (Marc's disc)	Unknown (presumed V Blankenburgs)
	Photograph B & W	Viaduct and Viaduct Lodge		Kielder Viaduct and bothy (Mark's disc)	Unknown (presumed V Blankenburgs)
	Photograph B & W	Viaduct, Viaduct Lodge, tree and river		Kielder Viaduct and bothy Vblankenburgs 150949 (Mark's disc)	Unknown (presumed V Blankenburgs)


Northumberland Record Office, Woodhorn, Ashington

N/A	Photograph B & W	Border forest conifer plantations, showing Kielder Viaduct in distance.	nd c1950	NRO 02722/1/124	V Blankenburgs
	Photograph B & W	Commemorative plaque, attached to one of piers of Viaduct	nd c1969	NRO 02722/1/624 NRO 1691/8/86	




	Photograph B & W	Viaduct, Viaduct Lodge, road and shed	1967	NRO 02722/1/574	
	Photograph B & W	Viaduct and river	nd c1960	NRO 02722/1/976	
	Photograph B & W	View from Viaduct to housing now submerged.	nd c1960	NRO 02722/1/926	
	Photograph B & W	Aerial view of Bakethin showing Viaduct, Kielder village and surrounding forest.		NRO 3451/c/4/1	Turners Photography, Camera House Pink Lane Newcastle NE1 5HT
	Transparency colour	Viaduct with road leading under it	Nov 1971	NRO 1691/8/87	Angus Parker Collection
	35mm negative	Viaduct	nd c1970	NRO 02722/10/764	
	35mm negative	Viaduct	nd c1970	NRO 02722/10/898	
	35mm negative	Viaduct	nd c1970	NRO 02722/10/965	
	35mm B&W negative of postcard held by Heritage Centre at Bellingham	Viaduct		NRO 02722/10/764	Unknown (presumed V Blankenburgs)
	35mm B&W negative	Viaduct, Viaduct Lodge and street in lane (caption Kielder Viaduct 2011)		NRO 02722/10/898	W P Collier
	35mm B&W negative	Viaduct (caption Kielder Viaduct 2463)		NRO 02722/10/965	W P Collier




	<p>Letters</p> <p>Newspaper clippings about the campaign</p> <p>NJ 26thFeb1966 HC 10thJan1966 (or HC 10thJune1966) HC 20thJune 1969 HC 11th Mar1977</p> <p>Invitation to the opening ceremony</p>	<p>Extensive series of letters detailing the campaign to save the Viaduct from demolition. Colonel Richard S Burn Sir Rupert Spier MP Prof Brian Hackett Prof W Fisher Cassie Civic Trust for NE The Victorian Society Forestry Commission Northumberland CC N/land and Newcastle Duke of N/land's office Sir James Knott Trust SPAB CBA National Trust N/brian Water Authority</p>	<p>1966-1976</p>	<p>NRO 3048/4</p>	<p>Colonel Richard S Burn's papers (Chairman of Bellingham Parish Council)</p>
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National Railway Museum, York


	<p>Photograph B & W</p>	<p>Viaduct, road, car and five young children</p>	<p>1958</p>	<p>DS071084-59609</p>	
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Northumbrian Water Authority, Horsley, Newcastle on Tyne

 <p>THE BORDER COUNTIES RAILWAY</p> <p>Walter of Wainhope</p>	<p>Newsletter Kielder News</p>	<p>History of Border Counties Railway, includes decision to extend line from the Belling Burn to Riccarton Junction via Kielder.</p>	<p>May 1976</p>	<p>Copies held by Kielder residents</p>	<p>No printed details of ownership of images or copyright arrangements.</p>
 <p>AN ENGINEER'S VIEW AWAY FROM THE SITE</p> <p>Graham Wilson</p>	<p>Newsletter Kielder News</p>	<p>Graham Wilson, engineer at Kielder and painter, lived at Viaduct Cottage.</p>	<p>March 1977</p>	<p>Copies held by Kielder residents</p>	<p>No printed details of ownership of images or copyright arrangements.</p>
 <p>Mr. Kenneth Marks, MP, is seen here subscribing the Kielder Viaduct during his recent visit to the North Tyne Valley. Mr. Marks (right) is accompanied by Mr. John Arkley, of the Department of the Environment in Newcastle and Mr. Frank Walker (left) director of operations and works with the Northumbrian Water Authority. Mr. Marks is Parliamentary Under Secretary of State for the Environment.</p>	<p>Newsletter Kielder News</p>	<p>Kenneth Marks, MP, Parliamentary Under Secretary of State for the Environment. Caption gives further details.</p>	<p>June 1978</p>	<p>Copies held by Kielder residents</p>	<p>No printed details of ownership of images or copyright arrangements.</p>

<p>Restoration of Kielder Viaduct</p>  <p>Kielder Viaduct showing the completed concrete protection of base of the piers.</p> <p>Work has started on the restoration of Kielder viaduct following the arrival of a contract to do so from the Northumberland and Tyne and Wear Authority.</p> <p>The contract has gone to Wimpey Construction (UK) Limited and is being funded by the Northumberland and Tyne and Wear Authority, the Department of the Environment and the Scottish Office.</p> <p>Work includes concrete protection on the base of the piers and waterproofing of the deck.</p> <p>The viaduct will be waterproofed to prevent moisture getting into the structure.</p> <p>Defective masonry will be repaired and the arches will be repointed.</p> <p>The concrete protection to the base of the piers will be installed on a raised level to the exterior of the existing surface.</p> <p>The West Yorkshire's Public Companies approved project that cost £10.5 million is expected to be completed in 1999.</p>	<p>Newsletter Kielder News</p>	<p>Restoration work to the Viaduct, especially the concrete protection to the piers and the waterproofing of the deck.</p>	<p>September 1979</p>	<p>Copies held by Kielder residents</p>	
<p>VIADUCT IS RESTORED</p>  <p>Four months restoration work on the 117 year old Kielder Viaduct is now at an end, making the structure virtually maintenance free for the next 25 years.</p> <p>Work carried out by Wimpey Construction UK Limited began in July 89 by the £10.5 million contract, funded by the Water Authority with assistance from the Department of the Environment and the Scottish Office.</p> <p>As the base of five of the 45 piers will be submerged once Kielder water is filled, there has been protection to prevent corrosion. The deck of the viaduct has also been waterproofed using a layer of concrete sandwiched between two layers of concrete to prevent moisture getting into the structure.</p> <p>Work on the viaduct was completed in May 1990 and the viaduct was opened to traffic in June 1990.</p> <p>The viaduct is now in excellent condition and will last for many years to come.</p> <p>It is hoped the viaduct will be a lasting legacy for North Tyne for the next 25 years.</p> <p>Kielder Viaduct</p>	<p>Newsletter Kielder News</p>	<p>Completion of restoration of Viaduct detailing conservation work.</p>	<p>December 1979</p>	<p>Copies held by Kielder residents</p>	
<p>Underneath the arches</p>  <p>Nature conservation and Balaich really came together in May when Wimpey Construction (UK) Ltd started to work on the protection of the pier footings of the Kielder Viaduct.</p> <p>It demonstrated that the world of Civil Engineering does have a place for nature.</p> <p>After the early excavation of silt and rock from around the piers which were accessible from dry ground, work began on the next pier which has always stood in water.</p> <p>That pier, however, was found to be occupied already by a pair of nesting dippers and on the ledge of the cut-water of the pier, a mallard was sitting very tight to her clutch of eggs.</p> <p>It was quickly decided to provide a nest box nearby as a safe alternative nesting site for the dippers.</p> <p>Work on that particular pier was however delayed until the mallard clutch had hatched out safely.</p> <p>It is hoped that both families are doing well. Certainly there are usually dippers near to the viaduct and there have been flocks of up to 40 mallard on some of the pools in the Balaich area. Five whooper swans have also been seen in the reservoir.</p> <p>Exciting prospects for the future!</p>	<p>Newsletter Kielder News</p>	<p>Work delayed on one pier owing to nesting pairs of dippers and mallards.</p>	<p>December 1979</p>	<p>Copies held by Kielder residents</p>	


	<p>Newsletter Kielder News</p>	<p>February sunshine photograph of Viaduct with tip of waters from Bakethin Reservoir at its base.</p>	<p>March 1981</p>	<p>Copies held by Kielder residents</p>	
	<p>Photograph B&W</p>	<p>Aerial view of Kielder, Butteryhaugh and Viaduct before construction of reservoir</p>	<p>17/9/1973</p>	<p>A206351</p>	<p>BKS Surveys Ltd, Photographic Division, held at NW Horsley</p>
	<p>Photograph colour</p>	<p>Aerial view of reservoir and forest with Kielder Village and Viaduct in foreground</p>	<p>18/05/1981</p>	<p>105_249_3</p>	<p>Northumbria AirFotos, 23 Ingram Av, Fawdon, Newcastle NE3 2BR Tel: 0191 2854625</p>



	Photograph B&W	Aerial view of reservoir and forest with Kielder Viaduct in foreground	19/05/1981	105_B429_4	
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The National Archives, Kew





	Correspondence and papers.	Ministry of Transport and successors, Railway Divisions: Correspondence and Papers. North British Railway: Falstone to Kielder. 7 references to the construction of Kielder Viaduct. 1 Jan - 31 Dec 1861	MT 6/24/47	The National Archives
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Maps

	Map Cassini Historical	Old Series 80 - Cheviot Hills & Kielder Water (1868 - 1869), 1-50,000 ISBN 978-1-84736-017-5	1868-1869	
	Map Cassini Historical	Revised New Series 080 - Cheviot Hills & Kielder Water (1901) ISBN 978-1-84736-367-1	1901	
	Map Cassini Historical	Popular Edition 80 - Cheviot Hills & Kielder Water (1925 - 1926), 1-50,000 ISBN 978-1-84736-208-7	1925-1926	


	Map (collection)	A 1:50,000 set is available that includes <ul style="list-style-type: none"> • Old Series - 1862-1869 • Revised New Series - 1901-1904 • Popular Edition - 1925-1926 • New Popular Edition - 1947 • OS Landranger - Present Day 		
	Map Ordnance Survey	Ordnance Survey 6" County Series First Edition, (1:10,560).	1866	
	Map Ordnance Survey	Ordnance Survey 25" County Series Second Edition, (1:2500).	1897	


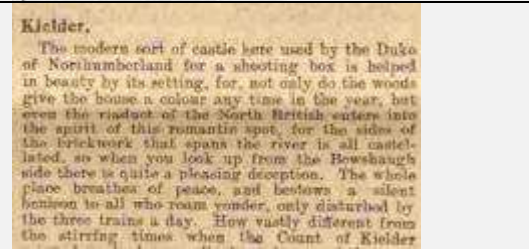

People					
	Oil on canvas	Peter Nicholson, by James Green (1771-1834). Designer of the skew arch system used to construct the Kielder Viaduct.	C1816	NPG 4225	National Portrait Gallery, London



	Engraving	Peter Nicholson (1765-1844) Engraving from frontispiece of <i>The guide to railway masonry: containing a complete treatise on the oblique arch, in four parts</i> , (London: E. & F.N. Spon, 1860)	1860		Copyright has expired
	Painting	Fourth Duke of Northumberland			Collection of the Duke of Northumberland, Alnwick Castle, Northumberland
	Photograph	William Henry Charlton, the first chairman of the Border Counties Railway. He cut the first sod near Hexham on 18 December 1855.	1867	P2003.1.83	The Heritage Centre at Bellingham
	Share certificate	Share certificate proving purchase of shares by William Henry Charlton of Hesleyside.	1855		The Heritage Centre at Bellingham




<p>Newcastle and Gateshead Waterworks, and other undertakings of which Mr. Nicholson had been engineer. The Blyth and Tyne Railway, originally intended only for the conveyance of coal, was extended by him to Newcastle, Morpeth, Blyth, Newbiggin, and Tynemouth, and converted into a passenger line. In connection with this enterprise, he also obtained parliamentary power for a line from Gosforth to Stamfordham and Scots Gap, to join the Wansbeck Valley Railway at that time in course of construction. A company having been formed for the purpose of making a railway along the valley of the North Tyne river, he was appointed engineer, prepared the necessary plans for Parliament, and carried out the railway from Hexham to Riccarton Junction.</p> <p>In the years 1857-8, Mr. Tone was actively engaged on behalf of the North British Railway Company in their contest with the Caledonian, for the possession of the line of country lying between Hawick and Carlisle, which resulted in the former obtaining an Act for a railway from Hawick to Carlisle, with a</p>	Obituary	John Furness Tone 1822-1881 completed the line. Nephew of Robert Nicholson, first engineer for the line who died 1855.	January 1882		www.icevirtuallibrary.com/content/article/10.1680/imotp.1882.2011
	Census return	Extract from the 1861 Census, showing residents of Plashetts Township, which includes Kielder. Shows the very high proportion of Irish and Scottish labourers involved in construction of railway and probably the Viaduct.	1861		ancestry.co.uk Subscription needed to access copies of original documents



Newspapers (British Library) and local archives

	Newspaper article	Completion of the final part of the Border Counties Railway	24 th June 1862		Newcastle Journal www.bl.uk/newspapers
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	Newspaper article	Completion of the final part of the Border Counties Railway	26 th June 1862		North and South Shields Gazette www.bl.uk/newspapers
	Newspaper feature	'Wayside Jottings' by 'Rambler'	7 th Feb 1914		Newcastle Journal www.bl.uk/newspapers
	Newspaper article	Campaign to save the Viaduct	10 th June 1966		Hexham Courant Hexham Library microfiche or NRO newspaper archive

 <p>KIELDER VIADUCT PRESERVED "Finest example of Victorian railway architecture"</p>	Newspaper article	Ceremony of the handover of the deeds to the Viaduct.	20 th June 1969		Hexham Courant Hexham Library microfiche or NRO newspaper archive
<p>Page 7, Hexham Courant, Friday March 22nd, 1977</p>  <p>Kielder Viaduct 'can come down' Council proposes to demolish the structure</p> <p>You needn't go into the red</p>	Newspaper article	Council proposes to demolish Viaduct.	11 th March 1977		Hexham Courant Hexham Library microfiche or NRO newspaper archive



	Newspaper article	Council proposes to demolish Viaduct.	9 th June 1978		Hexham Courant Hexham Library microfiche or Northumbria Water archive
	Newspaper article	Tynedale Life, supplement feature about Jonty Hall whose favourite view is from the Viaduct parapet.	Winter 2008-9		Hexham Courant Hexham Library microfiche or NRO newspaper archive
	Newspaper article	Finding the old road under Bakethin reservoir to enable lorries transport material to construct three wildlife islands while the level of water had been lowered.	9 th Dec 1992		Newcastle Journal. Copy also held with Northumberland and Newcastle Society.

 <p>For sale — no bridging loan n</p> <p>There is a chance to see the bridge of the future — or the past — when British Rail is selling its surplus property. A viaduct, known as the Kielder Viaduct, is being offered for sale. It is a fine example of the work of the late Sir Robert Stephenson and is one of the finest of its kind in the world. It is a fine example of the work of the late Sir Robert Stephenson and is one of the finest of its kind in the world.</p>	<p>Newspaper article</p>	<p>British Rail Property Board selling redundant viaducts. Features Kielder Viaduct on a map, but details have been cropped from inset panel.</p>	<p>Unknown</p>		<p>Newcastle Journal. Copy held with Northumberland and Newcastle Society (but right side has been cropped).</p>
 <p>Viaduct saved</p> <p>I WAS delighted to see the photograph of the wonderful Kielder Viaduct in the "Courant" last week, together with the suggestion that it was saved from destruction in 1969 by its purchase by the Northumberland and Newcastle Society for £1. Its salvation, in fact, occurred some years earlier when as MP for Hexham I learned from a confidential source that the Forestry Commission intended to destroy it. I immediately approached the Forestry Commission and</p>	<p>Newspaper article</p>	<p>Comment by Sir Rupert Spier MP outlining his role in the saving of the Viaduct. Further comment about lack of signage to the Viaduct.</p>	<p>9th June 1969</p>		<p>Hexham Courant</p> <p>Hexham Library microfiche or NRO newspaper archive</p>

Blacksmiths' panels


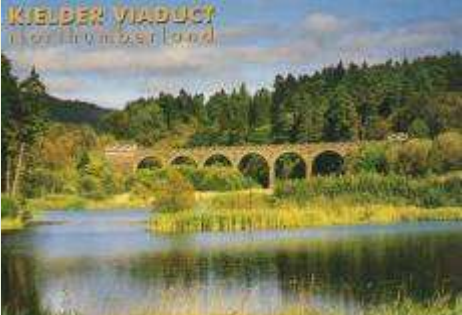
 <p>The screenshot shows a newsletter page. The top article is titled "Wonder bridge is open to all comers" and features a photograph of a stone bridge over a river. Below it is a section titled "Working in partnership" with a blue header. The text discusses the involvement of local residents and organizations in the bridge project.</p>	<p>Newsletter</p>	<p>Local Heritage Initiative newsletter (North East).</p> <p>Grant of £21,920 for community research and interpretation of Viaduct, culminating in 8 blacksmiths' panels.</p> <p>Produced with support from HLF, Nationwide, The Countryside Agency</p>	<p>Issue 1 2003</p>	<p>Kielder Community Trust archive (Barry Noble)</p>	<p>www.lhi.org.uk</p>
 <p>The newspaper article is titled "Viaduct's panel of expert helpers" and includes several photographs showing blacksmiths working on decorative ironwork panels. The text describes the project and the expertise of the blacksmiths involved.</p>	<p>Newspaper article</p>	<p>Blacksmiths creating eight decorative ironwork panels for Viaduct parapet.</p>	<p>26th April 2004</p>		<p>Newcastle Journal. Copy also held with Northumberland and Newcastle Society (but right side has been cropped).</p>




<p>Thursday, April 22, 2004 www.newcastlejournal.co.uk</p> <p>Four to host</p> <p>Crafty way to restore viaduct</p> <p>Blacksmiths help out at historic scheme</p> <p>By Tony Henderson, Environment Editor</p> <p>FOUR blacksmiths will be working on the restoration of a historic viaduct.</p> <p>The work will be done by the Blacksmiths' Association of Great Britain (BSA) and the Newcastle Blacksmiths' Guild.</p> <p>The viaduct is one of the most important structures in the city and is a Grade II listed building.</p> <p>The work will be done over a period of several weeks and will involve the repair and replacement of many of the iron panels.</p> <p>The blacksmiths will be using traditional techniques to create the panels and will be working closely with the architects and engineers.</p> <p>The project is a major part of the city's regeneration and will help to restore the viaduct to its former glory.</p> <p>The work will be done by a team of four blacksmiths and will involve the repair and replacement of many of the iron panels.</p> <p>The blacksmiths will be using traditional techniques to create the panels and will be working closely with the architects and engineers.</p> <p>The project is a major part of the city's regeneration and will help to restore the viaduct to its former glory.</p>	<p>Newspaper article</p>	<p>British Artists Blacksmiths Association <i>Forge In</i> at Kielder Castle bringing together over 50 blacksmiths to produce 8 wrought iron panels for Kielder Viaduct based on designs produced by Kielder First School children and community groups. 24th-25th April 2004</p>	<p>22nd April 2004</p>		<p>Newcastle Journal</p> <p>Copy held by Stephen Lunn (blacksmith)</p>
<p>Thursday, April 29, 2004 www.newcastlejournal.co.uk</p> <p>Smiths and villagers hammer out future</p> <p>Historic viaduct given a new look in regeneration project</p> <p>By Alison Beagle</p> <p>FOUR blacksmiths from the Blacksmiths' Association of Great Britain (BSA) and the Newcastle Blacksmiths' Guild are working on the restoration of a historic viaduct.</p> <p>The work will be done over a period of several weeks and will involve the repair and replacement of many of the iron panels.</p> <p>The blacksmiths will be using traditional techniques to create the panels and will be working closely with the architects and engineers.</p> <p>The project is a major part of the city's regeneration and will help to restore the viaduct to its former glory.</p> <p>The work will be done by a team of four blacksmiths and will involve the repair and replacement of many of the iron panels.</p> <p>The blacksmiths will be using traditional techniques to create the panels and will be working closely with the architects and engineers.</p> <p>The project is a major part of the city's regeneration and will help to restore the viaduct to its former glory.</p>	<p>Newspaper article</p>		<p>26th April 2004</p>		<p>Newcastle Journal</p> <p>Copies held by Northumberland and Newcastle Society and Stephen Lunn (blacksmith)</p>
<p>04 Plate Clo Dynamique DC From £8495 WYLAM GARAGE</p> <p>HEXHAM SECOND SECTION INCLUDED SPORT</p> <p>Smiths show their mettle</p> <p>By BRON TILLEY</p> <p>HEXHAM blacksmiths are showing their mettle by taking on the challenge of restoring a historic viaduct.</p> <p>The work will be done over a period of several weeks and will involve the repair and replacement of many of the iron panels.</p> <p>The blacksmiths will be using traditional techniques to create the panels and will be working closely with the architects and engineers.</p> <p>The project is a major part of the city's regeneration and will help to restore the viaduct to its former glory.</p> <p>The work will be done by a team of four blacksmiths and will involve the repair and replacement of many of the iron panels.</p> <p>The blacksmiths will be using traditional techniques to create the panels and will be working closely with the architects and engineers.</p> <p>The project is a major part of the city's regeneration and will help to restore the viaduct to its former glory.</p>	<p>Newspaper article</p>	<p>B & W photocopy section of a full-page feature about above event.</p>	<p>30th April 2004</p>		<p>Hexham Courant</p> <p>Hexham Library microfiche or NRO newspaper archive</p>


 <p>The sketches show four distinct designs: a sheep-like creature, a bee, an owl, and a fish. Each sketch is accompanied by a small text box containing the designer's name and a brief description of the design.</p>	<p>Sketches</p>	<p>Four sketches from a set of 15 produced by children from Kielder First School and community groups to inspire the designs for the wrought iron panels for the viaduct parapet. Produced by open invitation towards the end of 2003.</p>			<p>Designs held by Stephen Lunn, one of master blacksmiths and co-organiser of the <i>Forge In</i>.</p> <p>The Forge, Red Row, Northumberland NE61 5AU 01670 760264 info@anvilman.co.uk</p> <p>Digital copies held at the Heritage Centre at Bellingham</p>
 <p>The photographs show four different wrought iron designs installed on a stone parapet. Each design is a unique interpretation of a natural or animal motif, such as a sheep, a bee, an owl, and a fish.</p>	<p>Photographs</p>	<p>Final installed wrought iron designs on parapet of viaduct between crenellations.</p> <p>Clockwise from top left. Stephen Lunn (sheep) Phil Johnson (bee) Peat Oberon (owl) Brian Russell (fish) Adam Booth (shoal) Brian Russell (berries) Chris Topp (locomotive) Pete Hill (arches)</p>	<p>2004</p>		<p>Bill Cordaroy Old Farm Forge, Back Lane, East Ruston, Norwich NR12 9JE oldfarmforge@btinternet.co</p>


<p>BABA's 'Big Weekend' at Kielder <small>Text from www.baba.co.uk</small></p> <p>The masterclass at Kielder was quite a weekend for BABA and its members. The professionalism of the work, the tireless efforts of the organisers and the combined spirit of the assembled company impressed the local, the media and visitors alike, and that is something that all members of BABA can be rightly proud of.</p> 	Article	British Artist Blacksmith Association (BABA) <i>Artist Blacksmith</i> summer 2004 magazine, p8-9	Summer 2004		Article by James Spedding, photographs by Robert Elliot
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Postcards

	Postcard colour	Viaduct, reservoir and boats on shore			Produced for Northumbria Water by DDA Ltd, Newcastle upon Tyne
	Postcard colour	Landscape view of Viaduct with reservoir in foreground and forest behind.			Published by Michael Goonan, Sanston House, Cresswell, Northumberland NE61 5HT 01670 861782 Photographed by Bill Charters

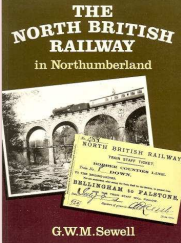
	<p>Postcard colour</p>	<p>Schematic aerial view of leisure opportunities throughout Kielder Reservoir area. Viaduct featured in top left corner.</p>	<p>Late 1970s or early 1980s</p>		<p>Northumbrian Water Promotex A&M Ltd Newcastle upon Tyne</p>
	<p>Postcard colour</p>	<p>Viaduct and reflection in water of Bakethin Reservoir</p>	<p>2010</p>		<p>Steve Webb Kielder Village Store Currently on sale</p>
<h2>John Price</h2>					
	<p>Photograph colour</p>	<p>Viaduct in winter. View no longer seen owing to tree growth.</p>	<p>Jan/Feb 1979</p>		<p>John Price, Chief Engineer of Bakethin Dam</p>

	<p>Photograph colour</p>	<p>Viaduct in winter. View no longer seen owing to tree growth.</p>	<p>Jan/Feb 1979</p>		
<p><u>John Price, Resident Engineer, supervising the construction of the New Don Navigation Railway Bridge over the Esk.</u></p> <p>Now, this gate is lowered it will complete the flooding of the river flowing through the lower valley, and within a few days the area of land between Don and Eskdale Viaduct will be flooded, disappearing forever under a lake which will be a permanent feature of the part of the valley.</p> <p>Eskdale Dam has been designed to keep the water level fairly constant at this end of the valley, whatever the amount for Eskdale Water, and this will ensure a water reserve above the lake which will flood and drive in the years to come.</p> <p>The dam has been built in a year and a half, during which time we've had more than 6 feet of rain and about 25,000 million gallons of river water to deal with - enough to fill the reservoir 25 times.</p> <p>Despite this it's finished on time, without any strikes or disputes, and Wimpey's men, many of whom travel daily from Thesside, have every reason to be proud of their achievement.</p> <p>This is the end of the job, and we've invited all of you from Eskdale Viaduct to be here at the very beginning of Eskdale Water. Eskdale Water will be forming a part of your lives and we hope that you, and your younger brothers and sisters, will help to watch what goes on around the shores of the lake as the water reserve develops in the next few years.</p> <p>Before he's back at the school this August, we've asked Jonathan Ball to leave the gate on behalf of all of you.</p> <p>Before he leaves the station, Albert Fisher of Wimpey would like to wish the success of everything in the school - and, to be handed normally to the child who is the opinion of the Headmaster when the last contribution to wildlife is made.</p>	<p>Press release</p>	<p>Completion of the Bakethin Dam beginning the flooding of the area as far as the Viaduct.</p>	<p>11th December 1979</p>		
<p><u>Kirkstall Viaduct</u></p> <p>Program is well advanced on the preservation work being carried out to Kirkstall Viaduct by George Wimpey & Company Ltd., under a contract financed by the United Railways, the Department of the Environment and the County of the West Yorkshire North and South of the River Aire.</p> <p>Protective concrete has been placed around the base of five of the six masonry piers, and the work has been completed along a layer of concrete reinforced by steel bars of concrete, which will prevent rainwater and frost from damaging the masonry arches.</p> <p>The piers and arches are also being monitored by Wimpey Laboratories Ltd., using a special machine imported from the United States.</p> <p>Work of the masonry in this - year old viaduct is in good condition, but it is the most successful work done over the river. Most of the original line masonry has fallen out of the joints, leaving the arch supported apparently only by the water pressure of its own.</p> <p>This preservation work is completed in Kirkstall, the viaduct should be largely maintenance free for the next 25 years, and it will make the new contribution to the success of the Kirkstall Water Scheme by stopping a further stream the fall of masonry to prevent the north side of the river where water and vegetation will be able to enjoy the almost natural conditions created next year by Bakethin Dam, which is designed to prevent the large changes in water level normally associated with winter heavy rain.</p>	<p>Inspection report</p>	<p>Copy of typed report on preservation work being undertaken on the Viaduct by George Wimpey & Co by John Price.</p>	<p>25th September 1979</p>		
<p>Page 1 of 1</p> <p><u>Plain Mianoggin</u></p> <p>From: "John Mianoggin" <johnmianoggin@bt.com> To: "Norman Blacklock" <nblacklock@bt.com> Sent: 23 November 2007 11:16 Subject: 10 year inspection</p> <p>Hi Norman</p> <p>Thanks for including me in the inspection party. In the afternoon I took a drive back to Bakethin Viaduct, to see the progress of the work. The viaduct is in good condition, but it is the most successful work done over the river. Most of the original line masonry has fallen out of the joints, leaving the arch supported apparently only by the water pressure of its own.</p> <p>This preservation work is completed in Kirkstall, the viaduct should be largely maintenance free for the next 25 years, and it will make the new contribution to the success of the Kirkstall Water Scheme by stopping a further stream the fall of masonry to prevent the north side of the river where water and vegetation will be able to enjoy the almost natural conditions created next year by Bakethin Dam, which is designed to prevent the large changes in water level normally associated with winter heavy rain.</p> <p>As a member of the Kirkstall Water Scheme, which is managed by the Don and Eskdale Water Authority, I am pleased to see the progress of the work. The viaduct is in good condition, but it is the most successful work done over the river. Most of the original line masonry has fallen out of the joints, leaving the arch supported apparently only by the water pressure of its own.</p> <p>Regards, John Price</p>	<p>Inspection report</p>	<p>Copy of email report on state of Viaduct by John Price to Norman Blacklock of Northumbrian Water.</p>	<p>23rd November 2007</p>		


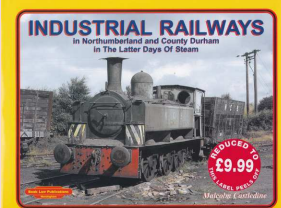
	Online record	PastScape entry on English Heritage's database of archaeological and architectural heritage.	September 2013		English Heritage
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	Advert	Advert promoting the 150 th Anniversary Walk.	1 st January 2012, but probably produced Nov/Dec 2011		Produced by Kielder Water & Forest Park.
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Reference books about Border Counties/North British Railway

	<p><i>The North British Railway in Northumberland</i> (reprint). Sewell, G. W. M. Baunton, Devon, England: Merlin Books Limited, 1993 ISBN 0-86303-613-9</p>
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	<p><i>The Border Counties Railway Steam Memories 1950's-1960's</i> Dunn, D. R. Booklaw Publications, 2013</p>
	<p><i>Country Railway Routes – Hexham to Hawick</i> Darsley, R & Lovett, D. Middleton Press, 2011 ISBN 978-1 908174 08 6</p>
	<p><i>Rural Branch Lines of Northumberland</i> Warn, C. R. Published by Frank Graham, (First Edition, 1975)</p>
	<p>Upper North Tynedale Charlton, B. Northumbrian Water, 1987 P78-87 (Border Counties Railway) ISBN 0-9512337-1-8</p>
	<p>Border County – Branch Line Album Caplan, Neil Ian Allan Printing Ltd, Shepperton, 1981 ISBN 0-7110-1086-2</p>
	<p>Railways in Northumberland Young, A Martin Bairstow Leeds, 2003 ISBN 1-871944-26-0</p>

 <p>ON THE WAVERLEY ROUTE Edinburgh - Carlisle in Colour Robert Robotham</p>	<p>On the Waverley Route Robotham, R Ian Allan Printing Ltd, Shepperton, 1995 ISBN 0-7110-24146</p>			
 <p>INDUSTRIAL RAILWAYS In Northumberland and County Durham in The Latter Days of Steam £9.99</p>	<p>Industrial Railways in Northumberland and County Durham in the Latter Days of Steam Castledine, M Booklaw Publications, Nottingham, 2004 ISBN 1-901905-35-9</p>			
<p>Video - Youtube</p>	<p><i>Slow train to Riccarton (parts 1 & 2)</i> http://www.youtube.com/watch?v=C77PPfthgm4 http://www.youtube.com/watch?v=-1MRmUENrE</p>			
<p>Oral history recordings</p>		<p>Copies held at Northumberland Record Office, Woodhorn, The Heritage Centre at Bellingham and with extracts on www.visitkielder.com/play/history</p>		
Stephen Lunn	Practicalities of organizing the Forge-In.	2013	Interviewed by Dr Liz O'Donnell	3m 28s
Chris Smith	Daring each other to stand on the viaduct at night when it was dark.	2013		1m 27s
June Banks & Ellen Earsman	Childhood and family memories of the viaduct.	2014		2m 23s
Jimmy & Fiona Hall	Taking beasts to the mart by train. Travelling to school by train.	2014	Interviewed by Deborah Iden and Dr Liz O'Donnell	1m 44s
Tom Richards	Rugby club and Border Counties Railway stone. Why the rugby posts should be visible from the viaduct.	2014	Interviewed by Sally Hutt and Dr Liz O'Donnell	2m 10s
Kelly Hollings	Role of wildlife ranger around viaduct.	2014	Interviewed by Sally Hutt	1m 04s
Joanna Dailey	Osprey Project	2014		32s
Robin Dower	Chairman of Northumberland and Newcastle Society talking about preserving the viaduct.	2014	Interviewed by Nigel Jenkins	12m 38s
G W M (Bill) Sewell	Reasons for the construction of the Border	2014	Interviewed by Sally	48m 44s

	Counties Railway, what it transported and its eventual demise.		Hutt (with additional questions from David Walmsley)	
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