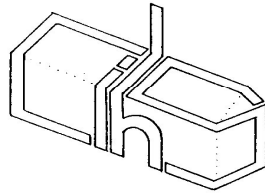


Cumbria Industrial History Society



BULLETIN

www.Cumbria-industries.org.uk

No. 64

APRIL 2006

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EDITORIAL

The Society appears to be going from strength to strength at present with an ever increasing membership and a very full programme of conferences and field meetings. This Bulletin is a bit shorter than the average in the past due to a lack of material from the membership. However Volume six of the Industrialist is starting to take shape, a couple of more articles would see it complete. So if any of you out there have a piece of research that you feel should reach a wider audience please submit it.

One of the main problems looming for the Society is a shortage of committee members. Two members are retiring this AGM, Margaret Robinson and Chris Irwin after many years of activity and Jan Bennett has indicated that she will be leaving in 2007. Therefore there are places on the committee for up to four new faces.

The Committee does feel that the Society does require a publicity officer. We are looking for somebody who can co-ordinate the programme and send material publicizing the various events to such people as the Cumbrian Federation of Local History Societies, Local Newspapers, Local what's on publications etc.

If you think you can return something to the Society by being on the committee either as publicity officer or as a replacement treasurer when Jan retires or just a general member please let a member of the committee know. You can contact any of the committee members to discuss what is involved or at the April Conference all committee members will be identified feel free to chat to them. Your Society needs you!!!!

SOCIETY EVENTS

WOODLAND INDUSTRIES SUNDAY 14TH MAY 2006 10.30AM.

Meet Barker's Woodyard nr. Newby Bridge SD 357 854. Joint meet with Coppice Conference to look at old woodland industry sites.

APRIL CONFERENCE SATURDAY 22ND APRIL 2006 CHARLOTTE MASON COLLEGE AMBLESIDE

Booking forms are available on the web site.

JUNE EVENING WALK 14TH JUNE 2006 SILVERDALE COAST AREA

A walk to look at a smelt mill site. Limekilns and other industrial sites. Meet at grid Ref. SD 475 736.

CARLISLE CANAL JULY 2006

This meeting is now fully subscribed.

MINES OF CARROCK FELL SATURDAY 12TH AUGUST 2006 10.30AM.

Meet at NY 323 330 plenty of off road parking but a bit rough. If wish park at Friends meeting house (NY 357 322) and share cars. Hopefully ex-miner will describe the site. Lunch at Ian Dunmur's house and Friends meeting house. Afternoon visit Carrock End Mine (NY 353 343) copper mine with leats, shafts, hushes, waterwheel pits. Potash kiln and retting pond nearby. Finish at the smelt mill site hopefully with Sam Murphy to describe it.

SEPTEMBER WEEKEND MEETING 15th-17th SEPTEMBER.

This is now a visit to the Ironbridge area and a booking form is enclosed.

AUTUMN CONFERENCE 15TH OCTOBER ULVERSTON

This is to be held at the Lantern House in Ulverston and the talks arranged are on the Industries of old Ulverston (above the Railway), The industries below the railway, Ulverston shipping and possibly Newlands furnace. Booking forms will be in the next Bulletin and available on the web site.

NOVEMBER EVENING MEETING TUESDAY 14TH NOVEMBER 2006 7.30PM COCK AND DOLPHIN KENDAL.

George Hadfield will talk on the history of clock making in Cumbria.

NON SOCIETY EVENTS

KESWICK MINING MUSEUM

Ian Tyler has published his programme of summer walks for 2006 and they include trips to Greenside, Dufton, Raughtongill, etc. Further details from the Museum.

A NORTH-WEST PERSPECTIVE OF INLAND WATERWAYS ALIVE

A one day conference at Lancaster University on the future use of inland waterways in the North-west.

THE POST MEDIEVAL IRON INDUSTRY IN CUMBRIA

Joint meeting of the Lancaster University Centre for North-West Studies and CWAAS. At Newton Rigg

Details of both days from Jean Turnbull 01524 593770.

BOOK REVIEW

KNOCK GEOLOGICAL TRIAL

This is a free leaflet by the North Pennines AONB and describes a walk from above Knock village to the summit of Great Dun Fell and return. Whilst concentrating on the geology of the area it does take you past a variety of industrial features including Knock Hush, lead mines, limestone quarries and kilns.

STONE SETTINGS

This is a similar leaflet to the one above but looking at the geology around Keswick. Two excursions are included one going along the old railway to Threlkeld, the second down Borrowdale to Honister slate works. Again industrial related sites are described.

GOLDSCOPE AND THE MINES OF THE DERWENT FELLS, IAN TYLER, SB, 300PP, B5 Price £18.99 + £3.01 part postage available direct from the Author and other well known booksellers.

The mining area includes the Newlands Valley to the South leading North to the Silica Mine at the head of Bassenthwaite, The reveals the history of Thornthwaite, Yewthwaite, Stoneycroft, Cobalt mine and many small trials in the area.

The scene is set by descriptions of medieval mining and chronicles details of German Miners coming to Keswick under the stewardship of Daniel Hechsetter.

Inevitably Ian's style creates debate and interesting points of discussion, however, the book is well presented, includes over 150 plans, photos and illustrations not previously published.

There is again there are useful lists of miners and family names.

WEB SITES

The IBRA Bee Bole Online Register

This is available at <http://www.ibra.org.uk/beeboles>. This contains site details including photographs of over 1370 sites in the country including 287 in Cumbria.

North Pennine Archaeology
www.nparchaeology.co.uk.

This is the website of the archaeology company set up by the North Pennine Heritage Trust and which carries out archaeology work throughout the north of England. They are starting to put the various reports that they produce on the sites investigated on to this web site. At present two reports of industrial interest are published The Smelt mill at Nenthead and Denton corn mill.

ABSTRACTS.

WATER POWER IN MINING Edited by Peter Claughton ISSN 1366-2511. A4 122 pages £12.00

This is a collection of papers presented at the National Association of Mining History Organisations conference at Aberystwyth 2002

Two papers in this collection concern sites in Cumbria.

The use of water power for compressed air generation, at Brewery shaft, Nenthead by Paul Thorne, which includes underground colour photographs.

Five (or six) red herrings, the Myers Head water wheel system by Stuart Creswell. This is similar to the talk Stuart gave us at previous April conference.

Transactions of the Cumberland and Westmorland Antiquarian and Archaeology Society Third series Volume V 2005

There are two papers of interest in this volume.

Iron-working at Cunsey Forge: the archaeological and documentary evidence from an initial survey. By Ian Miller.

Housing conditions in Carlisle in 1917 By Jean Turnbull.

Chelsea to Cairo, Taylor-made water through eleven reigns and in six continents. A history of John Taylor and Sons and their predecessors. By Gwilym Roberts ISBN 0 7277 3229 3 Thomas Telford Books 2006.

This book covers the industry of water supply through out the world. The interest to Cumbria is Chapter six on the life of Thomas Simpson (1755-1823) who was born at Blackwell Carlisle and became the engineer for the Chelsea Water Works Company There is also small paragraph on the water supplies to Carlisle prior to the building of the Geltsdale system.

REPORT ON FEBRUARY MEMBERS EVENING

The Open Evening, held this year in the more spacious premises of Penrith Conservative Club, was a most varied and enjoyable miscellany, attended by 22 members and others.

As usual, **Ian Dunmur** had brought a selection from his vast collection of bygone tools and artefacts, this time centred on turned wooden bowls with photographs of a Berkshire turner making them.

Geoff Brambles brought a selection of I.A. photographs for us to identify and select the two which had not been visited by CIHS.

We then settled down to a very slick and amusing Powerpoint presentation by **Chris Irwin** entitled "The Italian Job" about an unusual rack and pinion railway running from Genova to the village of Casella. The rolling stock was a mixture assembled from other closed lines. The line, which had previously stopped short of the village itself, had been extended by the simple expedient of building it on the roadside and it now conveniently terminates at a Bar in place of a station.

Mike Davies-Shiel then showed us his slides of Force Crag mines, which should have been seen before the visit in May but were frustrated by the lack of blackout on a very bright sunny day. No such problem on this occasion, and his photographs of the machinery at work, printed hand-outs and clear commentary made the whole process of enrichment of the Zinc and Barytes ores an easily understood and fascinating story. The restoration of the machinery for the National Trust by Tim Martin of Context Engineering Ltd has won a £15,000 Award for Conservation. (Reported in Industrial Archaeology News Spring 2006).

Dick White, a National Trust volunteer at Sizergh Castle, spoke of his interest in the local marble industry. He had found the probable quarrying site for one of the marble fireplaces at Sizergh beside the river Kent near the Sedgwick gunpowder works. Research in the estate records revealed that in 1796 the Wilsons of Dallam Tower were also quarrying marble on the opposite side of the river and taking samples down to London to seek orders. Dick had some information about marble cutting and polishing works at Helsington Mills, Preston Patrick (Dent marble) and Great Asby, but would be grateful for any further information on the subject.

Geoff Wilson spoke about his proposed research project on the location of bridges in Cumbria. He hopes to find out more about the reasons for bridge building and the replacement of fords and waths by bridges. He also would welcome contributions from CIHS members.

Ron Lyon ended the evening's presentations with slides of a large open cast mining area south east of Lisbon. His lack of Portuguese language made it difficult to understand the interpretation boards but the symbols Fe, Zn, Cu, Pb, S, Ag and Au indicated a wide range of minerals and he was able to identify some of the equipment as being used for the production of sulphur. He strongly recommended I.A. enthusiasts to visit the site if they were in the area. **Geoff Brambles** closed the meeting with the announcement that he was trying to arrange a visit to the Corus steel mills at Workington prior to their closure this summer. Only 20 people could be taken and the date would be fixed at short notice.

**DESCRIPTIONS OF MANUFACTURING BUSINESSES, PREMISES, PROCESSES,
AND PRODUCTS IN THE *CARLISLE JOURNAL*, 1823**

(Continued from the *Bulletin of the Cumbria Industrial History Society*, No. 63, December 2005)

Compiled by G. W. Oxley

468. Bleaching

A bleacher who understands linen and cotton yarn bleaching and who is well recommended. Preference will be given to a married man

Advertised for, *CJ* 1260, 4 Jan. 1823

469. Corn milling at Waverton in the parish of Wigton

A water corn mill having one pair of blue stones, one pair of grey stones, a barley mill, a dressing mill, a drying kiln, a modern substantial built dwelling house, out buildings, and two acres of land

Advertised to be let, apply to the outgoing tenant, John Walker, *CJ* 1261, 11 Jan. 1823

470. Dyeing at Broadguards near Carlisle

Dye houses well fitted up with vats, supplied with a stream of excellent water and well adapted to carrying on the business to a great extent, and warehouses, dwelling rooms, and weaving shops, and a new built, moderate sized, dwelling house, all lately the property of John Rigg of Carlisle draper deceased and occupied by tenants from year to year

Advertised to be sold, *CJ* 1265, 8 Feb. 1823

471. Corn milling at Huddlesceugh in the parish of Kirkoswold

A water cornmill having one pair of blue stones, one pair of grey stones, a barley mill and cylinder, two drying kilns, a good substantial built dwelling house, outbuildings and thirty acres of land

Advertised to be let, apply to the owner Joseph Salkeld of Huddlesceugh, *CJ* 1266, 15 Feb. 1823

472. Corn milling at Laithes in the parish of Skelton

A cornmill having one pair of wheat stones, one pair of grey stones, a barley mill and cylinder, a drying kiln, twentyfive acres of arable and pasture in a high state of cultivation, a good dwelling house

Advertised to be let, apply to the owner Mr Bell of Laithes, *CJ* 1266, 15 Feb. 1823

473. Clog, last and pattern making in ?Carlisle

The stock needed for carrying on this business

Advertised to be sold by William Armstrong of Carlisle, spirit merchant, who is declining the business, *CJ* 1267, 22 Feb. 1823

474. Corn milling at Monkshill

Wind mill

Advertised to be sold, *CJ* 1268, 1 March 1823

475. Woolen manufacture at Keswick

Insolvency of Henry Stoddart

Advertisement, *CJ* 1269, 8 March 1823

476. Dyeing at Kirkoswold

Insolvency of Nicholas Carr, assignment of assets to John Mason of Eamont Bridge, bleacher, and sale of a newly erected dye house at Kikoswold

Advertisement, *CJ* 1273, 5 April 1823

477. Textile manufacture in Carlisle

A new 80 bobbin winding machine with twelve gross double ended bobbins for it; 3 warping mills, 3-400 slays for 800s to 1600s, copper boiler, small iron safe

Advertised to be sold at Gales warehouse in Water Lane, *CJ* 1275, 19 April 1823

478. Brick making at Newby near Warwick Bridge

150,000 bricks at the Kiln

Advertised to be sold by James Davidson, *CJ* 1276, 26 April 1823

479. Stone quarries at Scratch Soar Mill and Lazonby Fell

John Allan and Thomas Relph offer lower prices for grey mill stones (2 gns.), barley mill stones (16/-), flag stones (10d. per square yard), slates (30/- per rood). Stone from these quarries is in every degree superior to Mr Thomas James's quarry and will, in accordance with the opinion of judges, prove more durable and elegant than his white stone

Advertisement, *CJ* 1277, 3 May 1823

480. Woolen manufacture at Willow Holme, Carlisle

John Creighton has taken this factory over from Robert Martindale and has erected therein a complete set of machinery for carding spinning and weaving all manner of woolen goods. The best workmen have been engaged. Work will be taken in by Mrs. Rutherford of Longtown, Mr James Carruthers, carrier, of Brampton, and the proprietor attends the Moot Hall at Carlisle on Saturday. He has an excellent fulling mill for cleaning blankets and carpets

Advertisement, *CJ* 1278, 10 May 1823

481. Brewing at Cockermouth

A brewery having newly erected malt kilns, stables, out offices, and situate near the river cocker. The purchaser may have the horses and carts, malt, hops, barrels, and utensils at a valuation

Advertised to be sold, apply to Miss Sarah Bowman of Sand Went, *CJ* 1278, 10 May 1823

482. Glass working in Back Lane Scotch Street, Carlisle

Joseph Thompson extends thanks for past support and announces that, in addition to his former businesses of glass bending for coach lamps or windows of any description, glass grinding for counting houses and silvering looking glasses, he has commenced business in the art of staining and burning glass for windows in various colours and devices. He has engaged two of the finest artists in this line for several months.

Advertisement, *CJ* 1279, 17 May 1823

483. Weaving in Irthington

Cottage, garden and weaving shop

Advertised to be sold, *CJ* 1280, 24 May 1823

484. Weir at Armathwaite

Contractors sought to build a stone bay across the River Eden and to erect the masonry for the fish coops there

Advertisement, *CJ* 1280, 24 May 1823

485. Scythe making at Keswick

Best double steeled scythes made and sold by T Richardson through the following agents

Carlisle: E & S James, Jeremiah Brown, R Backhouse, John Brown, Thomas Richardson Wigton: Thomas Taylor, Peter Kitchen, Longtown: William Corrie, Thomas Wilson, Cockermouth: Joseph Martin, Maryport: Joseph Millican, Henry Tickle, Whitehaven: Messr. Bell & Tickle, Appleby, William Hodgson, Anthony White.

Advertisement, *CJ* 1281, 31 May 1823

486. Paper making at Caldbeck

A two vat paper mill with convenient offices, two good dwelling houses, a barn a stable a cow house and 2 acres of land. The mill is well situated for the collection of rags; coals are near at hand; Penrith and Wigton are at moderate distances and the roads are good; the mill is well supplied with water from the River Caldew immediately adjoining; there is a never failing spring in the interior of the building and the whole premises are well adapted to carrying on an extensive business.

Advertised to be let by the owner, John Hewson of Rickergate, Carlisle, *CJ* 1281, 31 May 1823

487. Brewing at Egremont

A brewery containing a boiler capable of brewing twenty barrels at a time, a mash tun, underback and three coolers and sufficient cellars; a malt house containing a cistern capable of wetting upwards of one hundred Winchester bushels of barley at each wetting, a growing floor, a withering floor, a drying kiln, an excellent granary for dry barley, three store rooms for dry malt, a malt mill and a cylinder to go by horse mill; a cooper's shop, a dwelling house, a garden, a close or parcel of land and every other convenience for brewing. The premises are situated at the head of the town on the west side of the street five miles from Whitehaven and are well supplied with water. There is also a stable and hayloft on the east side of the street Advertised to be sold, or if unsold, let, *CJ* 1281, 31 May 1823

488. Foundry work in Carlisle

R W & R Porter inform the inhabitants of Penrith that they have appointed Mr Robinson and Mr Hutton for the sale of cast iron manufactures, to receive orders for articles previously sent to the foundry, i.e. pallisadoes, stair ballustrades (plain and ornamented), waterspouts and pipes, plough mountings, machinery for corn and threshing mills. Prices obtainable from the agents. Conveyance to Penrith daily
Advertisement, *CJ* 1281, 31 May 1823

489. Coal mines and lime stone quarries in the manor of Nicol Forest

Particulars from Robert Bald, CE of Edinburgh
Advertised to be let by Sir James Graham, *CJ* 1284, 21 June 1823

490. Water corn mill at Caldbeck

The mill has three pairs of stones, a dressing mill, a barley mill; also a dwelling house
Advertised to be let, *CJ* 1284, 21 June 1823

491. Slate mining at Coniston and Kirby

A supply of dark blue slate of the best quality from these quarries has arrived on board the 'Jane' and is for sale at J. Lonsdale's yard on the west side of the canal basin. The proprietor of the quarries intends to maintain a regular and well assorted supply
Advertisement, *CJ* 1289, 26 July 1823

492. Tobacco manufacture in the low end of Scotch Street, Carlisle

Christopher Henry has started manufacture in the premises formerly occupied by John Sowerby, flax dresser
Advertisement, *CJ* 1290, 2 August 1823

493. Coal mining in the lordship and Forest of Stainmore and the Manor of Brough

Collieries occupied by Messrs. Park and Grime as lessees of the Earl of Thanet. The district of Stainmore is known to contain almost inexhaustible seams of fine coal. These are the only collieries of any consequence in Westmorland
Advertised to be let, *CJ* 1294, 30 August 1823

494. Dyeing at Kirkoswold

An old established dye house completely fitted up with boilers, wad vats, and every other requisite; an inexhaustible supply of fine water; a press house with hot press, etc., and a fulling mill, both of modern construction; a convenient dwelling house, barn, byre, and stable. Kirkoswold is eight miles from Penrith, thirteen from Alston and Brampton; there are many large and populous villages in the vicinity and fine strong wool in abundance. There is no dyer within eight miles. At a trifling expense the dye house might be converted to a brewery
Advertised to be let by the owner Mr Crampton, *CJ* 1297, 20 September 1823

495. Cotton manufacture at Dalston

Dalston Low Factory which has an extensive range of necessary buildings, a water wheel with a powerful fall of water, and was recently occupied by Messrs. Dugdale and Co. Also sixteen cottages and a twenty loom weaving shop in Dalston Lonning
Advertised to be let, *CJ* 1300, 11 October 1823

496. Chair making in Lowther Street, Carlisle

H. James has a quantity of best Dutch reeds for sale at his factory
Advertisement, *CJ* 1301, 18 October 1823

497. Slate quarrying near Ambleside

John Greenup returns thanks for past support for his slate Quarries at Langdale near Ambleside and announces that in addition to his slate yards at Threlkeld and Keswick he has taken one at Sour Nook in Castle Sowerby where he will keep a regular supply of all sort a of slates which he is determined to sell at reasonable prices
Advertisement, *CJ* 1303, 1 November 1823

498. Brewing at Workington

The High Brewery with a stock of utensils, malt, and hops. The brewery in excellent order and ready for immediate use. The stock of malt and hops is of a very superior quality and such as cannot be bought of a dealer. The malt is of the growth of last year and the hops of the preceding year. If the brewery is not sold soon the malt and hops may be sold separately
Advertised to be sold or let, *CJ* 1303, 1 November 1823

499. Iron and brass foundry in Bochergate, Carlisle

The partnership of Dalston and Hewitt has been dissolved and William Dalston will continue the business
Advertisement, *CJ* 1305, 15 November 1823

500. Water corn mill at Woodside, near Wigton

The mill is in a good line of business, and has an overshot waterwheel with a never failing supply of water in all seasons, a dwelling house, offices, and seventeen acres of land. It is three miles east of Wigton and eight west of Carlisle and is owned by Sir W. Brisco and occupied by Joseph Hare. Apply to William Little at Crofton Hall
Advertised to be let for a term of seven tears, *CJ* 1306, 22 November 1823

501. Manufacturing in Caldewgate, Carlisle

Premises from which John Hewson & Sons have for many years carried on a very extensive business, and which are well calculated for a concern of that description. These premises are n the immediate vicinity of the canal basin which affords great facility for the shipment of goods to the principal markets of the UK. Particulars from John Hewson & Sons who will show the premises.
Advertised to be sold or let, *CJ* 1307, 29 November 1823

502. Tile making near Carlisle

An experienced maker of draining tiles who may have the occupation of ten acres adjoining the new Glasgow road on which there in an inexhaustible bed of excellent clay well calculate for making tiles. A suitable cottage will either be erected on the ground or one at a convenient distance furnished. The land is of excellent quality for keeping one or more milch cows on and is in a desirable situation for selling tiles in the surrounding country
Advertised for, *CJ* 1307, 27 December 1823

SITE NEWS

Force Crag Mine, which we visited last summer, has now won an award for its conservation. Context Engineering the people involved in the conservation of the site received the award off Neil MacGregor for the work they have done in restoring the machinery in the building to its original form.

THE CROFT PIT BRAKE RAIL SYSTEM

The Croft Pit Brake was the only rail haulage system of its type in Britain and a familiar sight for generations of Whitehaven people. It was electrically driven and relied on counter-balance to haul wagons up the steep one-in-five incline from the Corkickle sidings down in the valley to the works at the top of the hill.

When it closed the maximum weight that could be moved up the hill was 60 tonnes with 35 tonnes on the counterbalance. Its safety record was impressive considering the tonnage

handled – there were few major incidents and no serious injuries since it was used for chemicals.

The history of the brake goes back to the days of steam. It was built at the turn of the century for colliery operation to haul cola wagons up the incline. In the early 1950s it was taken over by Solway Chemicals Ltd under a leasing agreement with Lonsdale Estates and a rail system was developed within the works to serve user plants.

The heyday for the Brake was during the 1960s when, at its peak, more than 750,000 tonnes a year of materials were carried up and down the system with main cargos of Soda Ash, Anhydrite, Sulphuric Acid and Sodium Tripolyphosphate (STPP). The early part of that decade also saw the switch over from steam engines on the works internal rail system to diesel-hydraulic shunting locos.

For safety reasons the brake never operated during the night-shift, but in its heyday the eight man brake team operated seven days and eight loco drivers operated a continuous shift system. From the beginning of the 70's rail tonnage in and out of Marchon Works began to decline. During 1985, out of a total of 1.6 million tonnes transported in and out of the works, less than 100,000 tonnes was moved by rail – mainly STPP and Phosphoric Acid.

Now the brake house is demolished but two of the little green shunting engines have been preserved and are on exhibition at the Derwent Railway Museum in Workington.

CUMBRIAN MILE STONES



MILESTONE IN ALSTON NY 716 465

CUMBRIAN MINOR VEIN MINERAL SITES

This is another list of the sites assessed by English Heritage as part of their Monuments Protection Programme. The minerals included are Zinc (3 sites), Barium (6 sites), Cobalt (1 site), Fluorspar (1 site), Graphite (1 site), Tungsten (1 site). The minor minerals which have no significant sites in Cumbria include Uranium, Sodium, Silver, Pyrite, Platinum, Ochre and Umber, Nickel, Mercury, Manganese, Magnesium, Gold, Calcite, Bismuth, Antimony, Aluminium.

SITE	LOCATION	STATUS
1A FORCE CRAG DRESSING MILL	NY 199 216	**
1B FORCE CRAG MINE (LOWER)	NY 200 216	*
1C FORCE CRAG MINE (HIGHER)	NY 193 214	*
2 COBALT MINE	NY 206 207	0
3 BORROWDALE GRAPHITE MINE	NY 232 125	***
4 ROUGHTENGILL BARYTES MILL	NY 302 346	*
5 CARROCK FELL MINE	NY323 329	**
6 DRIGGITH DRESSING FLOOR	NY 328 351	*
7 SILVERBAND MINE AERIAL ROPEWAY	NY 694 306	*
8 ROTHERHOPE FELL DRESSING MILL	NY 701 428	**
9 BLAGILL MINE DRESSING FLOOR	NY 740 472	*
10 STONEYCROFT SMELTER LOWER	NY 228 212	*
11 TINDALE SMELTER	NY 618 592	***
12 WELLGILL SPELTER WORKS	NY 777 443	0
13 KRUPPS MILL NENTHEAD	NY 780 437	*

Definition of status

*** Major national or internationally important site. Priority for protection

** Nationally important site. Site meriting statutory protection

* Lesser nationally important site. Site whose loss would impoverish the archaeological record but statutory protection not justified.

0 Site not of national importance. No case for statutory protection. May be of regional importance.

IMPORTANT STRUCTURES AT EACH SITE

BARYTES MILL SITES 1A, 4

BARYTES ADIT SITES 1B, 1C

BARYTES BUILDINGS OTHER SITES 1B, 1C

BARYTES DAMS CUMBRIA 4,6

BARYTES DRESSING FLOOR SITES 6,9

BARYTES DRESSING WASTE SITES 4,9

BARYTES MACHINE OTHER SITE 6

BARYTES OPEN STOPE SITE 1C

BARYTES RESERVOIR SITE 1B

BARYTES ROADWAY SITE 7

BARYTES SPOIL TIP SITES 1B, 1C, 4, 9

COBALT ADIT, BUILDING, ROADWAY SITE 2
COBALT SLAG SITE 10

FLUORSPAR DRESSING MILL, DAM, DRESSING WASTE, LEAT, PIPEWAY,
ROADWAY SITE 8
FLUORSPAR DAM SITE 8

GRAPHITE GUARD HOUSE, ADIT, SPOIL HEAP, SITE 3

TUNGSTEN DRESSING MILL, ADIT, DAM, MACHINE BED, OPEN CUTS, OPEN
STOPE, PIPEWAY, SHAFT, SPOIL TIPS SITE 5

ZINC CHIMNEY SITE 11
ZINC DRESSING MILL SITES 12, 13
ZINC SLAG SITE 11

COMMITTEE MEMBERS

MR R BAKER
MEMBERSHIP SECRETARY
4 BARNES COTTAGES
BACK LANE
PREESAL
POULTON FY6 0HT
mbarb@freenetname.co.uk

MR G BRAMBLES
CHAIRMAN
21 DERWENT DRIVE
KENDAL
CUMBRIA
LA9 7PB

MR G BROOKS
BULLETIN EDITOR
COOMARA
CARLETON
CARLISLE
CA4 0BU
gbrooksvet@tiscali.co.uk

DR I DUNMUR
CROFT HOUSE
MOSEDALE
PENRITH
CA11 0XQ

MR C IRWIN
VICE-CHAIRMAN
FALLOWFIELD
RAVENSTONEDALE
KIRKBY STEPHEN
CA17 4NG
chris@thebookhouse.co.uk

MRS J A BENNETT
TREASURER
BROOMBANK COTTAGE
LINDAL-IN-FURNESS
CUMBRIA
LA12 0LW
psfc@btinternet.com

MRS H CLADWELL
SECRETARY
LOW LUDDERBURN
CARTMEL FELL
WINDERMERE
LA23 3PD
lowludderburn@btinternet.com

MR G OXLEY
9 HUGH LITTLE GARTH
UPPERBY
CARLISLE
CA2 4LQ
mail@mcintyre-oxley.fsnet.co.uk

DR MARGARET ROBINSON
7 PICADILLY CLOSE
SCOTFORTH
LANCASTER
LA1 4PY

MR R LYON
CHRONDRENN
CHURCH STREET
SKIRWITH
PENRITH
CA10 1RQ
Ron_Lyon@chronserve.freeserve.co.uk

MR D BEALE
LOW ROW
HESKET NEWMARKET
WIGTON
CUMBRIA
CA7 8JU
Beales.lowrow@virgin.net

