

NSC Box 001

- Site* Stony Hazel, Cumbria, SD 336 897
Dated (on documentary evidence?) to the 18th century
- Description* Tap slag?
- Discussion* A variety of slags including untypical tap slag. Identified by the excavator (MDS) as a finery forge. David Cranstone (personal communication) suggests that it may have been a water-powered bloomery.

Published References

- Bowden, M (ed) *Furness Iron*. Swindon: English Heritage
- Davies-Shiel, M 1970 'Excavation at Stony Hazel, High Furness, Lake District 1968-9: an interim report'. *Bulletin of the Historical Metallurgy Group* 4, 28-32
- Morton, G R and Wingrove, J 1971 'Constitution of bloomery slags Part 2: Medieval'. *Journal of the Iron and Steel Institute* 210, 478-488

Online images

[NSC001.01.JPG](#); [NSC001.02.JPG](#); [NSC001.03.JPG](#); [NSC001.04.JPG](#)

NSC Box 002A

- Site* Butterley Company, Ripley, Derbyshire, SK 399 517
- Date* The Butterley Company was established in 1790. Puddling ceased in Britain in 1976 (although possibly much earlier on this site).
- Description* Ball Slag?
- Discussion* A dense tapped? slag presumably produced during balling, i.e. consolidating a bloom of iron in a puddling furnace. Is this the same as cinder tap? The company provided the iron for the construction of many major buildings in Britain, such as St Pancras railway station.

Online images

[NSC002A.01.JPG](#)

NSC Box 002B

- Site* Atlas Forge, Bolton, Lancashire, SD 71 08
- Date* 1866-1976
- Description* Cinder tap?
- Discussion* Slag tapped from a puddling furnace. This was the last site to commercially forge wrought iron; some equipment was reconstructed at Ironbridge Museum.

Online images

[NSC002B.01.JPG](#)

NSC Box 002C

- Site* unknown
- Date* unknown, but 1780-1970s
- Description* Shingled iron
- Discussion* Iron which been produced in the puddling furnace and which has undergone hammering but which has not been rolled.

Online images

[NSC002C.01.JPG](#)

NSC Box 002D

Site Blist's Hill, Shropshire, SJ 695 036
Date 1832–1912
Description Pig iron
Discussion Card preserved with the sample: "A fragment of iron from Blist's Hill. Collected 1955".

Online images

[NSC002DE.01.JPG](#) (right)

NSC Box 002E

Site Priorslee, Shropshire, SJ 695 036
Date 1959
Description Pig iron
Discussion Card preserved with the sample: "This fragment of pig-iron was taken when the last cast was made at Priorslee furnace, 27th March 1959. The last pig-iron made in Shropshire. W. Howard-Williams"

Published Reference

Gale, W K V and Nicholls, C R 1979 *The Lilleshall Company Ltd. - A History 1764–1964* (publ. by the Lilleshall Co. Ltd)

Online images

[NSC002DE.01.JPG](#) (left)

NSC Box 003A

Site Eardington Lower Forge, Shropshire, SO 726 898
Date 1777–1820
Description Cinder tap?
Discussion Forge

Online images

[NSC003A.01.JPG](#)

NSC Box 003B

Site Eardington Upper Forge, Shropshire, SO 733 896
Date 1782–1869
Description Cinder tap?
Discussion Forge

Online images

[NSC003B.01.JPG](#)

NSC Box 003C

Site Cleobury Forge, Main Road, Shropshire, SO 688 748
Date c1563-c1815
Description Cinder tap?
Discussion Forge

Online images

[NSC003C.01.JPG](#)

NSC Box 003D

Site Duncote, Northamptonshire, SP 67 50

Date unknown

Description ND, Crucible

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Also some crucible fragments.

Online images

[NSC003D.01.JPG](#)

NSC Box 003E

Site Willey Valley, Shropshire, SJ 674 006

Date 1757?–1804

Description

Discussion Blast furnace?

Online images

NONE CURRENTLY AVAILABLE

NSC Box 004A

Site Beeston Castle, Cheshire, SJ 541 592

Date unknown

Description Unusual dense fayalitic ironworking slag.

Discussion Possibly a bloomery smelting slag.

Online images

[NSC004A.01.JPG](#)

NSC Box 004B

Site Ashburnham, East Sussex, TQ 688 139

Date C16-C18

Description Green glassy blast-furnace slag

Discussion Cold-blast, charcoal-fuelled blast furnace.

Online images

[NSC004B.01.JPG](#)

NSC Box 004C

Site Boulden, Shropshire, SO 548 850

Date <1644-1790+

Description Green glassy blast-furnace slag

Discussion Cold-blast, charcoal-fuelled blast furnace.

Online images

[NSC004C.01.JPG](#)

NSC Box 004D

Site Askham, Cumbria, SD 215 776
Date 19th century
Description Green, blue and grey glassy blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC004D.01.JPG](#)

NSC Box 005

Site Liathmore Mochoemog, Ireland
Date unknown
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Online images

[NSC005.01.JPG](#); [NSC005.02.JPG](#)

NSC Box 006A

Site Burbage, South Yorkshire, SK 266 817
Date Medieval?
Description Fayalitic tap slag
Discussion Bloomery smelting slag, cited by Morton & Wingrove 1972 as medieval.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC006A.01.JPG](#)

NSC Box 006B

Site Apley Forge, Shropshire, SO 706 984
Date Post-Medieval (late 18th century)
Description Crucible, and glassy slags
Discussion A stamping and potting forge.

Online images

[NSC006B.01.JPG](#)

NSC Box 007A

Site Lorn ?, Argyll and Bute, Scotland NN 086 354
Date Post-Medieval
Description Pig iron
Discussion Lorn = Bonawe Furnace - but Duddon also produced 'Lorn' brand pig in the 19th century. Whichever site, it is likely that this is charcoal pig iron.

Online images

[NSC007A.01.JPG](#)

NSC Box 007B

Site unknown
Date Post-Medieval (19th century?)
Description Dense, dark green glassy slag which has been tapped or cast.
Discussion This is recorded as cupola slag. the cupola furnace (used for re-melting cast iron in foundries) is largely a 19th century phenomenon.

Online images

[NSC007B.01.JPG](#)

NSC Box 007C

Site Millom, Cumbria, SD 182 801
Date 20th century?
Description Dark blue-grey (fayalitic?) slag
Discussion Recorded as being associated with spray steel process.

Online images

[NSC007C.01.JPG](#)

NSC Box 008

Site Horsehay, Shropshire, SJ 686 071
Date Post-Medieval
Description Crucible
Discussion Foundry

Online images

[NSC008.01.JPG](#)

NSC Box 009A

Site Water Newton, Northamptonshire, TL 10 97
Date Roman?
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. The absence of tap slag suggests it is probably iron smithing.

Online images

[NSC009A.01.JPG](#)

NSC Box 009B

Site Bix, Oxfordshire, SU 73 85
Date unknown
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. The absence of tap slag suggests it might be iron smithing.

Online images

[NSC009B.01.JPG](#)

NSC Box 010A

Site High Cross, Leicestershire, SP 470 880
Date Roman
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. The absence of tap slag suggests it might be iron smithing.

Published References

Greenfield, E and Webster, G 1966 'Excavations at High Cross 1955'. *Trans. Leicestershire Archaeol. Hist. Soc.* 40, 3–41

Online images

[NSC010A.01.JPG](#)

NSC Box 010B

Site Thurgarton, Nottinghamshire, SK 691 491
Date 12th century
Description Ceramic mould
Discussion Bell-casting mould

Online images

[NSC010B.01.JPG](#)

NSC Box 010C

Site Duddon, Stone Star, Cumbria
Date Possibly medieval
Description Tap slag
Discussion Bloomery smelting

Online images

[NSC010C.01.JPG](#)

NSC Box 011A

Site Tamworth, Staffordshire, SK 21 04
Date Possibly Anglo-Saxon or medieval
Description Smithing Hearth Bottom
Discussion Iron smithing

Online images

[NSC011A.01.JPG](#)

NSC Box 011B

Site Ariconium, Herefordshire, SO 640 240
Date 2nd century AD
Description Tiny fragments of iron working slag
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. The site is well known for bloomery smelting.

Online images

[NSC011B.01.JPG](#); [NSC011B.02.JPG](#)

NSC Box 012

Site Harwich, Suffolk, TM 25 32

Date Possibly Medieval

Description ND

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Online images

[NSC012.01.JPG](#)

NSC Box 013

Site Duddon, Cumbria, SD 197 883

Date 1736–1866

Description Green glassy blast-furnace slag

Discussion Cold-blast, charcoal-fuelled blast furnace. Morton and Wingrove 1969

Published References

Bowden, M (ed) *Furness Iron*. Swindon: English Heritage

Morton, GR and Wingrove, J 1969 'Slag, cinder and bear'. *Bulletin of the Historical Metallurgy Group* 3, 55–61

Online images

[NSC013.01.JPG](#)

NSC Box 014A

Site unknown

Date Post-Medieval (probably 20th century)

Description Puddled iron

Discussion Label with the sample: "Once worked puddle".

Online images

[NSC014A.01.JPG](#)

NSC Box 014B

Site unknown

Date Post-Medieval

Description Pig iron

Discussion

Online images

[NSC014B.01.JPG](#)

NSC Box 014C

Site unknown

Date Post-Medieval

Description Pig iron

Discussion

Online images

[NSC014C.01.JPG](#)

NSC Box 015

Site Old Sleaford, Lincolnshire, TF 077 458

Date Iron Age?

Description Smithing Hearth Bottom

Discussion Iron smithing

Online images

[NSC015.01.JPG](#); [NSC015.02.JPG](#); [NSC015.03.JPG](#);

NSC Box 016

Site Old Sleaford, Lincolnshire, TF 077 458

Date Iron Age?

Description ND

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Probably iron smithing.

Online images

[NSC016.01.JPG](#)

NSC Box 017A

Site unknown

Date Post-Medieval

Description Cast iron

Discussion

Online images

[NSC017A.01.JPG](#)

NSC Box 017B

Site Unknown

Date Post-Medieval (20th century ?)

Description Worked bar iron

Discussion

Online images

[NSC017B.01.JPG](#)

NSC Box 017C

Site Unknown

Date Post-Medieval (20th century ?)

Description Pig iron

Discussion

Online images

[NSC017C.01.JPG](#)

NSC Box 017D

Site Unknown (various?)
Date Post-Medieval (20th century ?)
Description Samples of ferrous alloys
Discussion

Online images

[NSC017D.01.JPG](#)

NSC Box 018

Site Catholme, Nottinghamshire, SK 197 163
Date Anglo-Saxon
Description Smithing Hearth Bottom, hearth lining, crucible
Discussion

Online images

[NSC018.01.JPG](#); [NSC018.02.JPG](#)

NSC Box 019–20

Site Haverholme Priory, Lincolnshire, TF 109 493
Date Medieval
Description Smithing Hearth Bottom, bloom
Discussion Iron smithing. Excavated by Glyn Coppack

Online images

[NSC019.01.JPG](#); [NSC019.02.JPG](#); [NSC020.01.JPG](#)

NSC Box 021A

Site Bere Regis, Dorset, SY 847 945
Date Roman (second century)
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Possibly bloomery smelting

Online images

[NSC021A.01.JPG](#)

NSC Box 021B

Site Brough, Yorkshire, SE 93 26
Date RB
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Probably iron smithing.

Published References

Wacher, J S 1969 *Excavations at Brough-on-Humber 1958–1961*. London: Society of Antiquaries

Online images

[NSC021B.01.JPG](#)

NSC Box 021C

Site Little Sombourne, Hampshire, SU 389 329

Date IA/RB

Description ND?

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Probably iron smithing.

Published References

Neal, D S 1980 'Bronze Age, Iron Age and Roman settlement sites at Little Somborne and Ashley, Hampshire'. *Proc Hampshire Fid Club Archaeol Soc*, **36**, 91–143

Online images

[NSC021C.01.JPG](#)

NSC Box 022A

Site Hatton Rock, Warwickshire, SP 232 575

Date Anglo-Saxon?

Description ND

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Probably iron smithing.

Online images

[NSC022A.01.JPG](#)

NSC Box 022B

Site Saffron Walden, Essex, TL 539 387

Date Medieval?

Description Smithing Hearth Bottom

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Probably iron smithing.

Published References

Bassett, S R 1982 *Saffron Walden: excavations and research 1972–80*. CBA RR 45. London: Council for British Archaeology.

Online images

[NSC022B.01.JPG](#)

NSC Box 023

Site Maxey, Northamptonshire, TF 12 08

Date Anglo-Saxon?

Description Furnace

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process, but rather dense and possibly bloomery smelting.

Published References

Addyman, P V 1964 'A Dark-Age settlement at Maxey, Northants', *Medieval Archaeol* **8**, 20–73.

Online images

[NSC023.01.JPG](#)

NSC Box 024A

Site Goscote, Staffordshire, SK 022 013
Date Medieval?
Description Tap slag with conventional flow texture on surface but 'honeycomb' porous internal texture.
Discussion Probably a water-powered bloomery smelting site. Appears to be the same as Rushall see below NSC066A.

Published References

Gould, J 1969–70 'Excavation of the 15th century iron mill of Simon Montford at Bourne Pool, Aldridge'. *Transactions of the Staffordshire Archaeological and Historical Society* 11, 58–63;
Morton, G R and Wingrove, J 1969–70 'Metallurgical consideration of early bloomeries in south Staffordshire'. *Transactions of the Staffordshire Archaeological and Historical Society* 11, 64–66;
Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'. *Journal of the Iron and Steel Institute* 210, 478–488

Online images

[NSC024A.01.JPG](#)

NSC Box 024B

Site Finsthwaite, Cumbria, SD 367 879
Date Medieval?
Description Very weathered slag
Discussion Chapman House bloomery reported by Mike Davies-Shiel and David Cranstone. See also NSC032A below.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'. *Journal of the Iron and Steel Institute* 210, 478–488

Online images

[NSC024B.01.JPG](#)

NSC Box 025

Site Whiston, Froghall, Staffordshire, SK 04 47
Date (1768–1912+)
Description Tap slag
Discussion Copper smelting slag

Online images

[NSC025.01.JPG](#)

NSC Box 026

Site Whiston, Froghall, Staffordshire, SK 04 47
Date (1768–1912+)
Description Unusual slag with powdery surface
Discussion Copper or zinc smelting

Online images

[NSC026.01.JPG](#)

NSC Box 027

Site Whiston, Froghall, Staffordshire, SK 04 47

Date (1768–1912+)

Description Tap slag

Discussion Copper smelting slag

Online images

[NSC027.01.JPG](#)

NSC Box 028

Site Bilston, Staffordshire, SO 950 964

Date c.1830–1977

Description Grey porous blast furnace slag

Discussion Hot-blast coke-fuelled blast furnace

Online images

[NSC028.01.JPG](#)

NSC Box 029

Site Brough, Yorkshire, SE 94 26

Date Roman

Description Smithing Hearth Bottom

Discussion See also NSC021B (above).

Online images

[NSC029.01.JPG](#)

NSC Box 030A

Site Norwich, St Benedicts, Norfolk, TG 232 073

Date c.850–c.1150

Description ND very weathered.

Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process, probably iron smithing.

Published References

Hurst, J G and Golson, J 1957 'Excavations at St Benedict's Gates, Norwich 1951 and 1953'. *Norfolk Archaeology* 31, 4–112

Online images

[NSC030A.01.JPG](#)

NSC Box 030B

Site Bledisloe Castle, Gloucestershire, SO 683 081

Date Medieval

Description Tap

Discussion Bloomery smelting slag

Published References

Dornier, 1966 'Bledisloe excavations, 1964'. *Bristol and Gloucestershire Archaeological Society* 85, 57–69

Online images

[NSC030B.01.JPG](#); [NSC030B.02.JPG](#)

NSC Box 031

Site Thistleton, Rutland, SK 91 18
Date Medieval
Description Tap, Smithing Hearth Bottom
Discussion Bloomery smelting and iron smithing

Published References

Greenfield, E. 1962 'Thistleton'. *Journal of Roman Studies* 52, 172–3.

Online images

[NSC031.01.JPG](#); [NSC031.02.JPG](#); [NSC031.03.JPG](#)

NSC Box 032A

Site Chapman House, Cumbria, SD 367 879
Date Med
Description Vitrified ceramic (furnace lining?)
Discussion Bloom smelt see NSC024B

Online images

[NSC032A.01.JPG](#)

NSC Box 032B

Site Stubbsgill Distington, Cumbria, NY 00 23
Date unknown
Description Smithing Hearth Bottom
Discussion Iron smithing

Online images

[NSC032B.01.JPG](#)

NSC Box 032C

Site Sedgwick, Cumbria, SD 514 871
Date Post-Medieval
Description Cinder tap?
Discussion Forge

Online images

[NSC032C.01.JPG](#)

NSC Box 032D

Site Low Dale Park, Cumbria, SD 35 92
Date medieval?
Description Pale blue glassy slag
Discussion Identified by Michael Davies-Shiel and described by David Cranstone as a 'Megabloomery'. The slag resembles some blast furnace slags.

Online images

[NSC032D.01.JPG](#)

NSC Box 032E

- Site* Stone Star, Dunnerdale, Cumbria, SD 21 93
Date unknown
Description Vitrified ceramic (furnace lining), possible tap slag some of which is green and glassy
Discussion Identified by Michael Davies-Shiel. The slag does not look like bloomery slag. Morton & Wingrove 1972 suggest that the slag was produced by copper smelting.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032E.01.JPG](#)

NSC Box 032F

- Site* Lower Bouth, Cumbria, SD 33 85
Date unknown
Description Small fragment of porous olive green slag
Discussion The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 suggested that the slag was produced by copper smelting.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032F.01.JPG](#)

NSC Box 032G

- Site* Cleator Forge, Cumbria, NY 014 131
Date unknown
Description Black Tap slag
Discussion The site was identified by Michael Davies-Shiel. This may be the Cleator blast furnace site which made an attempt to smelt iron with coke in the 1690s (Journal note, c 1983)

Online images

[NSC032G.01.JPG](#)

NSC Box 032H

- Site* Yosgill, Brough, Cumbria
Date unknown
Description Vitrified ceramic (possible furnace lining)
Discussion The absence of diagnostic slags makes it impossible to identify any particular metal working processes.

Online images

[NSC032H.01.JPG](#)

NSC Box 032I

Site Hacket Forge, Little Langdale, Cumbria, NY 322 030
Date c.1623/1630–18th century
Description Dark grey-green tapped/cast slag
Discussion A bloomery until c.1710 then finery/chafery. The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 suggest that the slag was produced by copper smelting.

Published References

Bowden, M (ed) *Furness Iron*. Swindon: English Heritage
Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032I.01.JPG](#)

NSC Box 032J

Site Coniston, Cumbria, SD 301 976
Date unknown
Description Amorphous lumps of slag with distinctive green copper corrosion.
Discussion Possibly copper smelting slag.

Online images

[NSC032J.01.JPG](#)

NSC Box 032K

Site Levisham Moor, Yorkshire, SE 830 922
Date Iron Age (or medieval?)
Description Tap slag
Discussion Bloomery smelting slag.

Published References

Hayes, R H 1983 *Levisham Moor Archaeological investigations, 1957–1978*. North York Moors National Park Committee and Scarborough Archaeological and Historical Society

Online images

[NSC032K.01.JPG](#)

NSC Box 032L

Site Carter Ground, Cumbria, SD 228 923
Date unknown
Description small fragments of fayalitic slag
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Online images

[NSC032L.01.JPG](#)

NSC Box 032M

Site Arrad, Ulverston, Cumbria, SD 308 802
Date unknown
Description small fragments of fayalitic slag
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process

Online images

[NSC032M.01.JPG](#)

NSC Box 032N

Site Harkness Beck, Crummock Water, Cumbria
Date unknown
Description small fragment of porous grey-green slag
Discussion

Online images

[NSC032N.01.JPG](#)

NSC Box 032O

Site Score Bank, Town Head, Grasmere, Cumbria, NY 34 07
Date unknown
Description small fragment of fayalitic slag
Discussion Probably an iron working slag but lacking diagnostic features which would allow the identification of particular process

Online images

[NSC032O.01.JPG](#)

NSC Box 032P

Site Beckfoot Bridge, Cumbria, NY 168 005
Date unknown
Description small fragments of dark grey-green slag
Discussion Probably iron working slag but lacking diagnostic features which would allow the identification of particular process

Online images

[NSC032P.01.JPG](#); [NSC032P.02.JPG](#)

NSC Box 032R

Site East Cinderdale Beck, Cumbria, NY 168 192
Date unknown
Description small fragment of porous fayalitic? slag
Discussion Probably iron working slag but lacking diagnostic features which would allow the identification of particular process

Online images

[NSC032R.01.JPG](#)

NSC Box 032S

Site Skow Barrow Beck, Cumbria, SD 345 885
Date unknown
Description Some black tap slag and some pale blue glassy slag
Discussion The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 analysed some slag. David Cranstone identifies it as a 'Megabloomery'. The pale blue glassy slag resembles blast furnace slag.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032S.01.JPG](#); [NSC032S.02.JPG](#)

NSC Box 032T

Site West Cinderdale, Crummock Water, Cumbria, NY 164 194
Date unknown
Description Tap slag
Discussion The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 analysed some slag and suggested that it was copper smelting.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032T.01.JPG](#)

NSC Box 032U

Site Parkamoor, Cumbria, SD 310 926
Date unknown
Description Tap slag?
Discussion The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 analysed some slag. David Cranstone suggests that this may be Black Knotts (SD 330 865) which may be an interesting water-powered bloomery.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032U.01.JPG](#)

NSC Box 032V

Site Little Mill, Bouth, Cumbria, SD 33 86
Date unknown
Description small fragment of grey-green slag
Discussion The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 analysed some slag and suggested it was produced by copper smelting.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032V.01.JPG](#)

NSC Box 032W

Site Black Beck, Bouth, Cumbria, SD 356 840 ?
Date unknown
Description small fragment of black slag
Discussion The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 analysed some slag and suggested it was produced by copper smelting.

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC032W.01.JPG](#)

NSC Box 032X

Site Kershope, Cumbria, NY 48 83
Date unknown
Description small fragment of black slag
Discussion

Online images

[NSC032X.01.JPG](#)

NSC Box 032Y

Site Witherslack Park, Cumbria, SD 44 84
Date unknown
Description black slag some of which may be tapped and some of which is porous
Discussion Probably iron working slag but lacking diagnostic features which would allow the identification of particular process (water-powered bloomery is a possibility)

Online images

[NSC032Y.01.JPG](#)

NSC Box 032Z

Site Haverigg Holme, Woodland Grove, Cumbria, SD 16 79

Date unknown

Description black tap slag with abundant internal porosity

Discussion Possible water-powered bloomery slag

Online images

[NSC032Z.01.JPG](#)

NSC Box 033A

Site Winterton, Lincolnshire, SE 911 182

Date Iron Age or Roman

Description ND, crucible

Discussion Iron working slag but lacking diagnostic features which would allow the identification of particular process. The crucible indicates the melting of copper alloys.

Published References

Stead, I M 1976 *Excavations at Winterton Roman Villa and other sites in North Lincolnshire 1958–1967*. London: HMSO

Online images

[NSC033A.01.JPG](#)

NSC Box 033B

Site Brigstock, Northamptonshire, SP 951 850

Date Roman

Description Tap

Discussion Bloom smelt

Published References

Jackson, D A 1983 'The excavation of an Iron age site at Brigstock, Northants 1979-1981'. *Northamptonshire Archaeology* 18, 7–32

Online images

[NSC033B.01.JPG](#); [NSC033B.02.JPG](#)

NSC Box 033C

Site Thrang Moss, Cumbria, SD 277 923

Date Roman or 14th century (!?)

Description Tap

Discussion Bloomery smelting.

Online images

[NSC033C.01.JPG](#)

NSC Box 034

Site Thetford, Norfolk, TG 232 073
Date Saxon or medieval
Description ND, Cu cast waste, crucible
Discussion Iron working slag but lacking diagnostic features which would allow the identification of particular process. The context (urban) suggests that iron smithing is the most likely. The crucibles and copper suggests the melting of copper alloys.

Online images

[NSC034.01.JPG](#)

NSC Box 035

Site Great Oakley, Northamptonshire, SP 87 86
Date Iron Age or Roman
Description Tap, Vitrified ceramic (furnace lining), ore
Discussion Bloomery smelting

Published References

Jackson, D A 1982 'Great Oakley and other Iron Age sites in the Corby area'.
Northamptonshire Archaeology 17, 3–23

Online images

[NSC035.01.JPG](#); [NSC035.02.JPG](#)

NSC Box 036

Site Braintree, Essex, TL 755 230
Date Roman
Description ND
Discussion Iron working slag but lacking diagnostic features which would allow the identification of particular process.

Online images

[NSC036.01.JPG](#)

NSC Box 037

Site St Neots, Cambridgeshire, TL 185 603
Date Anglo-Saxon?
Description Smithing Hearth Bottom
Discussion Iron smithing

Online images

[NSC037.01.JPG](#)

NSC Box 038

Site Colton Stringhearth, Cumbria, SD 313 856
Date Post-Medieval
Description Hambone, tap
Discussion Reg Morton. Finery/chafery site?

Online images

[NSC038.01.JPG](#); [NSC038.02.JPG](#); [NSC038.03.JPG](#)

NSC Box 039

Site Canterbury, St Augustines, Kent, TR 151 578

Date unknown

Description Smithing Hearth Bottom

Discussion Iron smithing

Online images

[NSC0.01.JPG](#)

NSC Box 040–041

Site Brancaster, Norfolk, TF 782 440

Date Roman

Description Smithing Hearth Bottom

Discussion Iron smithing

Published References

Hinchcliffe, J and Green, C S 1985 *Excavations at Brancaster 1974 and 1977*.
Norfolk: Norfolk Museums Service

Online images

[NSC040.01.JPG](#); [NSC041.01.JPG](#); [NSC041.02.JPG](#)

NSC Box 042

Site Stamford Co-op, Lincolnshire, TF 032 072

Date Medieval (Saxo-Norman)

Description Tap

Discussion Bloomery smelting.

Published References

Mahany, C, Burchard, A and Simpson, G 1982 *Excavations in Stamford, Lincolnshire, 1963–69*. London: Society for Medieval Archaeology

Online images

[NSC042.01.JPG](#); [NSC042.02.JPG](#);

NSC Box 043–044

Site Cannock Forge, Staffordshire, SJ 98 10

Date c.1600–1650

Description Hambone, cinder tap, Vitrified brick, sandstone

Discussion Finery/chaferly slags

Online images

[NSC043.01.JPG](#); [NSC044.01.JPG](#)

NSC Box 045

Site Cannock, Staffordshire, SJ 98 10
Date c.1600-1650
Description Green glassy blast furnace slag, Sandstone
Discussion cold-blast, charcoal-fuelled blast furnace. Morton and Wingrove 1969

Published References

Morton, GR and Wingrove, J 1969 'Slag, cinder and bear'. *Bulletin of the Historical Metallurgy Group* 3, 55–61

Online images

[NSC045.01.JPG](#); [NSC045.02.JPG](#); [NSC045.03.JPG](#)

NSC Box 046–047

Site Backbarrow, Cumbria, SD 356 847
Date 1711–1966
Description Green glassy blast furnace slag, Charcoal, Mosser
Discussion Cold-blast(?), charcoal-fuelled blast furnace, Forge
Morton and Wingrove 1969

Published References

Bowden, M (ed) *Furness Iron*. Swindon: English Heritage
Morton, GR and Wingrove, J 1969 'Slag, cinder and bear'. *Bulletin of the Historical Metallurgy Group* 3, 55–61

Online images

[NSC046.01.JPG](#); [NSC046.02.JPG](#); [NSC047.01.JPG](#); [NSC047.02.JPG](#);
[NSC047.03.JPG](#);

NSC Box 048A

Site Longnor Forge, Shropshire, SJ 485 015
Date 1605–1801
Description Porous fayalitic slag
Discussion Forge

Online images

[NSC048A.01.JPG](#)

NSC Box 048B

Site Hampton Loade, Shropshire, SO 747 864
Date Post-Medieval
Description Tapped fayalitic slag
Discussion Forge?

Online images

[NSC048B.01.JPG](#)

NSC Box 048C

Site Cleobury, Lower Forge, Shropshire, SO 67 75

Date Post-Medieval

Description ?

Discussion Forge

Online images

NONE CURRENTLY AVAILABLE

NSC Box 049

Site Old Park, Shropshire, SJ 704 095

Date 1790–1871

Description grey-blue blast furnace slag

Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC049.01.JPG](#)

NSC Box 050–051

Site Caerwent, Monmouthshire, ST 339 906

Date 4th century

Description Smithing Hearth Bottom, Tap

Discussion Bloomery smelting and iron smithing

Online images

[NSC050-51.01.JPG](#); [NSC050-51.02.JPG](#); [NSC050-51.03.JPG](#); [NSC050-51.04.JPG](#);

NSC Box 052–55

Site Wakerley, Northamptonshire, SP 941 983

Date Iron Age and Roman

Description Tap, Ore, Daub

Discussion Bloom smelt

Published References

Jackson, D A and Ambrose, T M 1978 'Excavations at Wakerley, Northants, 1972–75'. *Britannia* 9, 115–242

Online images

[NSC052-55.01.JPG](#); [NSC052-55.02.JPG](#); [NSC052-55.03.JPG](#); [NSC052-55.04.JPG](#);
[NSC052-55.05.JPG](#); [NSC052-55.06.JPG](#); [NSC052-55.07.JPG](#); [NSC052-55.08.JPG](#);

NSC Box 056A

Site Hackett Forge, Little Langdale, Cumbria, NY 322 030
Date 17th century?
Description Tap slag
Discussion The site was identified by Michael Davies-Shiel. Morton & Wingrove 1972 suggest that the slag was produced by copper smelting. see NSC032I

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'. *Journal of the Iron and Steel Institute* 210, 478–488

Online images

[NSC056A.01.JPG](#)

NSC Box 056B

Site Rockley, Yorkshire, SE 340 023
Date 15th to 17th century
Description Tap
Discussion Water-powered bloomery smelting.

Published References

Crossley, D and Ashurst, D 1968 'Excavations at Rockley Smithies, a water-powered bloomery of the 16th and 17th centuries'. *Post-Medieval Archaeology* 2, 10–54

Online images

[NSC056B.01.JPG](#)

NSC Box 056C

Site Cefn Graenog, Gwynedd
Date Roman?
Description ND?
Discussion Iron working slag but lacking clear diagnostic features which would allow the definite identification of particular process. Some signs of flow (prills) suggests bloomery smelting. ask Peter Crew

Online images

[NSC056C.01.JPG](#); [NSC056C.02.JPG](#)

NSC Box 057

Site Castle Lane, Warwick (1975), Warwickshire, SP 285 648
Date 11th century
Description Smithing Hearth Bottom
Discussion Iron smithing

Online images

[NSC057.01.JPG](#); [NSC057.02.JPG](#)

NSC Box 058A

Site Mancetter, Staffordshire, SP 31 96
Date Roman
Description Vitrified ceramic, FAS
Discussion Possibly metalworking slags

Online images

[NSC058A.01.JPG](#); [NSC058A.02.JPG](#)

NSC Box 058B

Site Tallington, Lincolnshire, TF 105 091
Date Iron Age or Roman
Description Tap
Discussion Bloomery smelting

Online images

[NSC058B.01.JPG](#)

NSC Box 058C

Site Northchurch, Hertfordshire, SP 958 089
Date Iron Age, Roman or medieval?
Description Tap
Discussion Bloomery smelting. Also known as Bulbourne and Dellfield. The excavators recovered no dating evidence for the furnaces but assumed they were contemporary with the late Iron Age ditches. The form of the furnaces and slag were taken to indicate that they were actually Roman, however, medieval features were also excavated.

Published References

Thompson, A and Holland, E 1976 'Excavation of an Iron Age site at Delfield, Berkhamsted'. *Hertfordshire Archaeology* 4, 137–148

Online images

NONE CURRENTLY AVAILABLE

NSC Box 059

Site Rievaulx, Yorkshire, Yorkshire, SE 575 840
Date 1577–1647
Description Pig iron, glassy green blast furnace slag
Discussion Cold-blast, charcoal-fuelled blast furnace.

Published References

Morton, GR and Wingrove, J 1969 'Slag, cinder and bear'. *Bulletin of the Historical Metallurgy Group* 3, 55–61

Online images

[NSC059.01.JPG](#); [NSC059.02.JPG](#); [NSC059.03.JPG](#); [NSC059.01.JPG](#)

NSC Box 060

Site Little Aston, Staffordshire, SK 082 009

Date 1574–1798

Description ND, Vitrified brick

Discussion Stamping and potting forge.

Published References

Morton, G R and Gould, J 1967 'Little Aston Forge: 1574–1798', *Journal of the Iron and Steel Institute* 205, 238

Online images

[NSC060.01.JPG](#); [NSC060.02.JPG](#); [NSC060.03.JPG](#);

NSC Box 061A

Site Himley Hall, Staffordshire, SO 876 912

Date 1622–1638

Description Black or very dark green glassy blast furnace slag.

Discussion One specimen is accompanied by a card which reads: "Dud Dudley. Coke embedded in blast furnace slag, and pieces of furnace structure found near the Lower Pool at Himley Hall".

Online images

[NSC060A.01.JPG](#); [NSC060A.02.JPG](#); [NSC060A.03.JPG](#); [NSC060A.04.JPG](#)

NSC Box 061B

Site Cunsey Forge, Cumbria, SD 377 936

Date Post-Medieval (<1623–c.1750)

Description Tap slag

Discussion Forge (bloomery up to 1715 then finery).

Published References

Bowden, M (ed) *Furness Iron*. Swindon: English Heritage

Online images

[NSC061B.01.JPG](#); [NSC061B.02.JPG](#)

NSC Box 061C

Site Clee Hill, Shropshire, SO 59 75

Date Post-Medieval

Description Grey-green blast furnace slag

Discussion Cold-blast coke-fuelled blast furnace

Online images

[NSC060C.01.JPG](#); [NSC060C.02.JPG](#); [NSC060C.03.JPG](#)

NSC Box 062A

Site Willey, Shropshire, SO 672 981

Date c1618-1774

Description Green glassy blast furnace slag

Discussion Cold-blast, charcoal-fuelled (?) blast furnace. There were two furnaces here (Old and New) and it is not clear which furnace the slag came from.

Online images

[NSC062A.01.JPG](#)

NSC Box 062C

Site Horsehay, Shropshire, SJ 686 071

Date 1826–1873

Description Green glassy blast furnace slag

Discussion Cold-blast, coke-fuelled (?) blast furnace.

Online images

[NSC062C.01.JPG](#)

NSC Box 062D

Site Longnor, Shropshire, SJ 483 022

Date 1605–1801

Description Green glassy blast furnace slag

Discussion Cold-blast, charcoal-fuelled blast furnace

Online images

[NSC062D.01.JPG](#)

NSC Box 062E

Site Leighton, Shropshire, SJ 610 055

Date c.1640–1746

Description Green glassy blast furnace slag

Discussion Cold-blast, charcoal-fuelled blast furnace

Online images

[NSC062E.01.JPG](#)

NSC Box 062F

Site Shifnal, Shropshire, SJ 742 067

Date 1564–1604

Description Dark grey-green glassy blast furnace slag

Discussion Cold-blast, charcoal-fuelled blast furnace

Online images

[NSC062F.01.JPG](#)

NSC Box 062G

Site Calcutts, Shropshire, SJ 686 030
Date 1775–1828
Description Pale blue or green glassy blast furnace slag
Discussion Cold-blast, coke-fuelled (?) blast furnace.

Online images

[NSC062G.01.JPG](#)

NSC Box 062H

Site Kenley, Shropshire, SO 587 998
Date 1591–1708
Description ND and tapped fayalitic(?) slag
Discussion Forge?

Online images

[NSC062H.01.JPG](#)

NSC Box 062I

Site Lawley, Shropshire, SJ 672 093
Date 1824–1863
Description Pale green-blue glassy blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC062I.01.JPG](#)

NSC Box 062J

Site Lightmoor, Shropshire, SJ 683 053
Date 1758–1878
Description Pig iron (with adhering slag) and pale green-blue glassy blast furnace slag
Discussion Cold-blast coke-fuelled(?) blast furnace

Online images

[NSC062J.01.JPG](#)

NSC Box 062K

Site Langley Field, Shropshire, SJ 690 072
Date 1824–1870
Description Pale green-blue glassy blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC062K.01.JPG](#)

NSC Box 063

Site Chew Valley Lake, Somerset, ST 457 532
Date Roman or Medieval
Description Smithing Hearth Bottom and vitrified ceramic (hearth lining)
Discussion Iron smithing.

Published References

Rahtz, P A and Greenfield, E 1978 *Excavations at Chew Valley Lake, Somerset*.
London: HMSO

Online images

[NSC063.01.JPG](#)

NSC Box 064

Site Tern Forge, Shropshire, SJ 552 098
Date Post-Medieval
Description Pig iron
Discussion A forge site so this presumably represent pig iron produced elsewhere but the raw material used here.

Online images

[NSC064.01.JPG](#)

NSC Box 065A

Site Charlcotte, Shropshire, SO 638 861
Date c1670–1777
Description BFS: Charcoal
Discussion Cold-blast, charcoal-fuelled blast furnace. Mutton 196?

Published References

Mutton, N 1967 'Charlcotte furnace'. *Transactions of the Shropshire Archaeological Society* 58,

Online images

[NSC065A.01.JPG](#); [NSC065A.02.JPG](#); [NSC065A.03.JPG](#); [NSC065A.04.JPG](#);

NSC Box 065B

Site Sharpley Pool, Worcestershire, SO 794 666
Date c.1652-late 17th century?
Description Green glassy blast furnace slag
Discussion Cold-blast, charcoal-fuelled blast furnace.

Published References

Brown, P 1982 'The early industrial complex at Astley, Worcestershire'. *Post-Medieval Archaeology* 16, 1–19
Morton, GR and Wingrove, J 1969 'Slag, cinder and bear'. *Bulletin of the Historical Metallurgy Group* 3, 55–61

Online images

[NSC065B.01.JPG](#); [NSC065B.02.JPG](#); [NSC065B.03.JPG](#)

NSC Box 066A

Site Rushall, Staffordshire, SK 022 013
Date Medieval?
Description Tap slag (highly porous)
Discussion Probable water-powered bloomery. Also known as Goscote (see NSC024A above).

Online images

[NSC066A.01.JPG](#); [NSC066A.02.JPG](#); [NSC066A.03.JPG](#); [NSC066A.04.JPG](#)

NSC Box 066B

Site Lilleshall, Shropshire, SJ 73 15
Date Post-Medieval (19th century?)
Description Pale green-blue glassy blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC0.01.JPG](#)

NSC Box 066C

Site Bourne Pool, Staffordshire, SK 088 019
Date c.1500
Description Tap, charcoal
Discussion Water-powered bloomery smelting
Gould 1969-70; Morton & Wingrove 1969-70; 1972

Published References

Gould, J 1969–70 'Excavation of the 15th century iron mill of Simon Montford at Bourne Pool, Aldridge'. *Transactions of the Staffordshire Archaeological and Historical Society* 11, 58–63;
Morton, G R and Wingrove, J 1969–70 'Metallurgical consideration of early bloomeries in south Staffordshire'. *Transactions of the Staffordshire Archaeological and Historical Society* 11, 64–66;
Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'. *Journal of the Iron and Steel Institute* 210, 478–488

Online images

[NSC066C.01.JPG](#); [NSC066C.02.JPG](#); [NSC066C.03.JPG](#)

NSC Box 067A

Site Ipsley Forge, Worcestershire, SP 07 67
Date Post-Medieval
Description Hambone
Discussion Forge.

Published References

Morton, GR and Wingrove, J 1970 'The charcoal finery and chafery forge'. *Bulletin of the Historical Metallurgy Group* 5, 24–28

Online images

[NSC067A.01.JPG](#)

NSC Box 067B

Site Halesowen, Worcestershire, SO 965 846
Date Post-Medieval
Description Green glassy blast furnace slag
Discussion Cold-blast, charcoal-fuelled blast furnace

Online images

[NSC067B.01.JPG](#)

NSC Box 067C

Site Worcester, Vulcan Ironworks, Worcestershire, SO 855 551
Date Post-Medieval
Description Green glassy blast furnace slag
Discussion ? (Donated by Paul Belford?)

Online images

[NSC067C.01.JPG](#)

NSC Box 068A

Site Hinksay, Shropshire, SJ 694 072
Date 1826–1873
Description Blue-green glassy blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC068A.01.JPG](#)

NSC Box 068B

Site Benthall, Shropshire, SJ 667 075
Date Post-Medieval
Description Grey-green matt slag
Discussion Cold-blast(?), coke-fuelled blast furnace

Online images

[NSC068B.01.JPG](#)

NSC Box 068C

Site Coalbrookdale (Old Furnace), Shropshire, SJ 667 040
Date 18th century
Description Blue-green glassy blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC068C.01.JPG](#)

NSC Box 068D

Site Dawley Castle, Shropshire, SJ 688 062
Date 1810–1883
Description Small fragments of black slag
Discussion Hot-blast(?), coke-fuelled blast furnace (?)

Online images

[NSC068D.01.JPG](#)

NSC Box 068E

Site Stirchley, Shropshire, SJ 700 074
Date 1827–c.1885
Description Blue-green glassy blast furnace slag
Discussion Hot-blast(?), coke-fuelled blast furnace (?)

Online images

[NSC068E.01.JPG](#)

NSC Box 068F

Site Worcester Wharf
Date Post-Medieval
Description Small fragment of grey-green slag
Discussion ? (Donated by Paul Belford?)

Online images

[NSC068F.01.JPG](#)

NSC Box 068G

Site Grindle Forge, Shifnall, Shropshire, SJ 753 034
Date 17th to 18th centuries
Description Cinder tap?
Discussion Forge

Online images

[NSC068G.01.JPG](#)

NSC Box 068H

Site Barnatt's Leasow, Shropshire, SJ 678 032
Date Post-Medieval
Description Black to green-blue and light grey blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC068H.01.JPG](#)

NSC Box 069A

Site Wall, Staffordshire, SK 10 07
Date Roman
Description Smithing Hearth Bottom
Discussion Iron smithing

Online images

[NSC069A.01.JPG](#); [NSC069A.02.JPG](#)

NSC Box 069B

Site Eaton Socon, Cambridgeshire, TL 169 587
Date possibly Anglo-Saxon
Description tiny fragment of ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Online images

[NSC069B.01.JPG](#)

NSC Box 069C

Site Struntrey Carr Farm
Date Medieval?
Description Tap
Discussion Bloomery smelting

Online images

[NSC069C.01.JPG](#)

NSC Box 069D

Site Hoarthorns Farm, Coleford, Gloucestershire, SO 594 133
Date unknown
Description Tap
Discussion Bloomery smelting

Online images

[NSC069D.01.JPG](#)

NSC Box 069E

Site Twyford, Hampshire, SU 484 243
Date Roman
Description ND, Litharge
Discussion The iron working slag lacks diagnostic features which would allow the identification of particular process; probably iron smithing. The litharge is greenish and indicates cupellation of scrap (debased) silver.

Online images

[NSC069E.01.JPG](#)

NSC Box 069F

Site Stonegate Mill, Yorkshire, NZ 778 090
Date Medieval
Description Tap (somewhat porous)
Discussion Bloomery smelting (possibly water-powered)

Online images

[NSC069F.01.JPG](#)

NSC Box 069G

Site Lechlade, Gloucestershire, SP 218 008
Date Iron age or Roman
Description small fragment of ND slag with some ceramic adhering
Discussion

Online images

[NSC069G.01.JPG](#)

NSC Box 069H

Site Barnsley Park, Gloucestershire, SP 08 06
Date Roman
Description small fragment of ND slag
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Published References

- Webster, G 1981 'The excavation of a Romano-British rural establishment at Barnsley Park: Part I'. *Transactions of the Bristol and Gloucestershire Archaeological Society* 99, 21–78;
- Webster, G and Smith, L 1982 'The Excavation of a Romano-British Rural Settlement at Barnsley Park: Part II'. by G. Webster and L. Smith'. *Transactions of the Bristol and Gloucestershire Archaeological Society* 100, 65-189

Online images

[NSC069H.01.JPG](#)

NSC Box 069I

Site Bordesley Abbey, Worcestershire, SP 048 687
Date Medieval
Description Tap slag?
Discussion Bloomery smelting?

Online images

[NSC069I.01.JPG](#)

NSC Box 070A

Site South Witham, Lincolnshire, SK 929 205
Date unknown
Description ND, Cu
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process. Metallic copper fragments of what might be an ingot.

Online images

[NSC070A.01.JPG](#)

NSC Box 070B

Site South Lothian, Scotland
Date unknown
Description Smithing Hearth Bottom (?)
Discussion Iron smithing (?)

Online images

[NSC070B.01.JPG](#)

NSC Box 070C

Site St Albans, Park St, Hertfordshire, TL 138 039
Date Roman
Description Smithing Hearth Bottom (?)
Discussion Iron smithing (?)

Published References

O'Neil, H E 1945 'The Roman villa at Park Street near St Albans, Herts'.
Archaeological Journal 102, 31–110

Online images

[NSC070C.01.JPG](#)

NSC Box 071A

Site Asheldham, Essex, TL 973 011
Date Anglo-Saxon?
Description Furnace bottom fragments? Plus possible ore
Discussion Bloomery smelting

Published References

Drury, P and Rodwell, W 1979 'Investigations at Asheldham, Essex; an interim, report on the church and historic landscape'. *Antiquaries Journal* 58, 133–151.

Online images

[NSC071A.01.JPG](#)

NSC Box 071B

Site North Elmham Park, Norfolk
Date Anglo-Saxon
Description Small fragments of ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Published References

Wade-Martins, P 1980 *Excavations in North Elmham Park 1967–1972*. Dereham: East Anglian Archaeology

Online images

[NSC071B.01.JPG](#)

NSC Box 071C

Site Aldborough, Yorkshire, ?
Date Anglo-Saxon?
Description Fragments of ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process; possibly iron smithing.

Online images

[NSC071C.01.JPG](#); [NSC071C.02.JPG](#)

NSC Box 072A

Site Corby Glen, Northamptonshire, TF 00 25
Date unknown
Description Tap
Discussion Bloomery smelting

Online images

[NSC072A.01.JPG](#)

NSC Box 072B

Site Martinsthorpe, Rutland, SK 867 047
Date Medieval
Description Tap
Discussion Bloomery smelting

Online images

[NSC072B.01.JPG](#)

NSC Box 072C

Site Hardknott Fort, Cumbria, NY 218 014
Date RB
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process; possibly iron smithing.

Online images

[NSC072C.01.JPG](#); [NSC072C.02.JPG](#); [NSC072C.03.JPG](#)

NSC Box 072E

Site Appletreeworth Beck, Torver, Cumbria, SD 284 941

Date unknown

Description Smithing Hearth Bottom

Discussion Iron smithing. Morton & Wingrove 1972

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC072E.01.JPG](#)

NSC Box 072F

Site Woodland Grove, Cumbria, SD 16 79

Date Post-Medieval

Description ND

Discussion Card with the samples reads: "White iron. Woodland Grove."

Online images

[NSC072F.01.JPG](#)

NSC Box 072G

Site Red Bank, Ickenthaite, Cumbria, SD 3182 8981

Date Medieval

Description Tap (some of which is highly porous)

Discussion Possible water-powered bloomery smelting. Morton & Wingrove 1972

Published References

Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'.
Journal of the Iron and Steel Institute 210, 478–488

Online images

[NSC072G.01.JPG](#)

NSC Box 072H

Site Portathwaite Woods, Miterdale, Eskdale, Cumbria, NY 14 02

Date unknown

Description Tap and vitrified ceramic

Discussion Possibly bloomery smelting

Online images

[NSC072H.01.JPG](#)

NSC Box 073A

Site Reading

Date Modern experiment

Description Ceramic mould

Discussion A partially illegible card with the sample has the initials JWA (John Anstee?)

Online images

[NSC073A.01.JPG](#)

NSC Box 073B

Site unknown
Date Modern experiment
Description Bloom
Discussion ?

Online images

[NSC073B.01.JPG](#)

NSC Box 073C

Site Reading
Date Modern experiment
Description Fayalitic slag prills
Discussion Card with the sample reads: "Drip slag (from bloom) from bottom of JA's bloomery shaft". JA probably stands for John Anstee

Online images

[NSC073C.01.JPG](#)

NSC Box 074A

Site Kilmagoura, Cork, Ireland
Date Medieval?
Description ND, vitrified ceramic
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process; possibly iron smithing

Online images

[NSC074A.01.JPG](#)

NSC Box 074B

Site Nunney, Somerset, ST 735 458
Date Medieval
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process; possibly iron smithing

Online images

[NSC074B.01.JPG](#)

NSC Box 074C

Site Therfield, Hertfordshire, TL 333 372
Date Twelfth century
Description Vitrified ceramic
Discussion ?

Online images

[NSC074C.01.JPG](#)

NSC Box 074D

Site Ratcliffe on Soar, Nottinghamshire, SK 497 290
Date Medieval?
Description tiny fragments of rather porous slag
Discussion ?

Online images

[NSC074D.01.JPG](#)

NSC Box 074E

Site Halewood, Old Hut, Lancashire, SJ 452 846
Date unknown
Description tiny fragments of slag with corrosion salts at surface
Discussion probable copper smelting slag

Online images

[NSC074E.01.JPG](#)

NSC Box 074F

Site Denton, Lincolnshire, SK 874 313
Date unknown
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Online images

[NSC074F.01.JPG](#)

NSC Box 074G

Site Nun's Well, Staffordshire. SK 043 137
Date Medieval?
Description Tap
Discussion Probable water-powered bloomery smelting. Gould 1969-70; Morton & Wingrove 1969-70; 1972

Published References

Gould, J 1969–70 'Excavation of the 15th century iron mill of Simon Montford at Bourne Pool, Aldridge'. *Transactions of the Staffordshire Archaeological and Historical Society* 11, 58–63;
Morton, G R and Wingrove, J 1969–70 'Metallurgical consideration of early bloomeries in south Staffordshire'. *Transactions of the Staffordshire Archaeological and Historical Society* 11, 64–66;
Morton, GR and Wingrove, J 1972 'Constitution of bloomery slags: Part II: Medieval'. *Journal of the Iron and Steel Institute* 210, 478–488

Online images

[NSC074G.01.JPG](#)

NSC Box 075A

Site Kemberton, Shropshire, SJ 744 044
Date 17th and 18th centuries
Description Green glassy blast furnace slag
Discussion Cold-blast, charcoal-fuelled blast furnace

Online images

[NSC075A.01.JPG](#)

NSC Box 075B

Site Newland, Cumbria, SD 299 797
Date 1747–1891
Description green glassy blast furnace slag
Discussion Cold-blast, charcoal-fuelled blast furnace

Online images

[NSC075B.01.JPG](#)

NSC Box 075C

Site Cyfarthfa, Glamorganshire, SN 04 06
Date Nineteenth century?
Description Pale grey matt slag
Discussion Bessemer Slag

Online images

[NSC075C.01.JPG](#)

NSC Box 075D

Site Cradley Heath, Staffordshire, SO 935 856
Date 17th century
Description Blue-green glassy blast furnace slag
Discussion Cold-blast, charcoal-fuelled blast furnace

Online images

[NSC075D.01.JPG](#)

NSC Box 075E

Site Alrewas, Wychnor Forge, Staffordshire, SK 172 138
Date 1770–1830
Description ND
Discussion Forge

Online images

[NSC075E.01.JPG](#)

NSC Box 075F

Site Furnace Farm, ?, Cumbria
Date Post-Medieval
Description Green, glassy blast furnace slag
Discussion Possibly Little Clifton (NY 058 279), in which case an important early coke furnace

Online images

[NSC075F.01.JPG](#)

NSC Box 076A

Site Derby Race Course, Derbyshire, SK 362 375
Date Roman
Description Smithing Hearth Bottom
Discussion Iron smithing

Online images

[NSC076A.01.JPG](#)

NSC Box 076B

Site Little Chester, Derby, Derbyshire, SK 353 376
Date Roman
Description Smithing Hearth Bottom
Discussion Iron smithing

Online images

[NSC076B.01.JPG](#); [NSC076B.02.JPG](#); [NSC076B.03.JPG](#); [NSC076B.04.JPG](#)

NSC Box 077

Site Brampton, Norfolk, TG 224 238
Date Roman
Description ND, vitrified ceramic
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process; probably iron smithing.

Online images

[NSC077.01.JPG](#)

NSC Box 078A

Site Tudeley, Kent, TQ 620 447
Date 14th century
Description Amorphous, weathered lumps of slag
Discussion Known as a bloomery in the first half of the 14th century from historical documents (Giuseppi 1913).

Published References

Giuseppi, M S 1913 'Some fourteenth-century accounts of iron-works at Tudeley, Kent'. *Archaeologia* 64, 145–164

Online images

[NSC078A.01.JPG](#)

NSC Box 078B

Site Mount Grace Priory
Date medieval ?
Description Charcoal, fired clay
Discussion Excavated by Glyn Coppack ?

Online images

[NSC078B.01.JPG](#)

NSC Box 079A

Site Hazledine Foundry, Bridgnorth, Shropshire
Date Post-Medieval
Description iron concretion? and brick?
Discussion ?

Online images

[NSC079A.01.JPG](#)

NSC Box 079B

Site Little Waltham, Essex
Date Iron Age or Roman
Description ND
Discussion An iron working slag but lacking diagnostic features which would allow the identification of particular process.

Online images

NONE CURRENTLY AVAILABLE

NSC Box 079C

Site Walsall, Staffordshire, SP 02 98
Date Medieval?
Description Smithing Hearth Bottom?
Discussion Iron smithing?

Online images

[NSC079C.01.JPG](#)

NSC Box 080A

Site unknown
Date Modern experiment?
Description ?
Discussion GHR ??????

Online images

NONE CURRENTLY AVAILABLE

NSC Box 080B

Site Benthall, Shropshire
Date Post-Medieval
Description Ore, blast furnace slag
Discussion Blast Furnace

Online images

[NSC080B.01.JPG](#)

NSC Box 080C

Site Bedlam, Shropshire
Date Post-Medieval
Description blue-green glassy blast furnace slag
Discussion Cold-blast, charcoal-fired blast furnace?

Online images

[NSC080C.01.JPG](#)

NSC Box 080D

Site Stirchley, Shropshire, SJ 700 074
Date 1827–c1885
Description Blue-green glass blast furnace slag
Discussion Hot-blast, coke-fired blast furnace. See NSC080F

Online images

[NSC080D.01.JPG](#)

NSC Box 080E

Site Lodge, Shropshire, SJ 717 123
Date 1825-1888
Description Blue-green glass blast furnace slag
Discussion Cold-blast, coke-fuelled blast furnace

Online images

[NSC080E.01.JPG](#)

NSC Box 080F

Site Stirchley, Shropshire, SJ 700 074
Date 1827–c1885
Description Blue-green glass blast furnace slag
Discussion Hot-blast, coke-fired blast furnace. See NSC080D

Online images

[NSC080F.01.JPG](#)

NSC Box 081

Site Haybone or Maybone
Date Post-Medieval
Description Heavily vitrified crucible
Discussion Foundry?

Online images

[NSC081.01.JPG](#)

NSC Box 082A

Site Grangarde, Sweden
Date Post-Medieval
Description Blue-green glassy blast furnace slag
Discussion Blast Furnace

Online images

NONE CURRENTLY AVAILABLE

NSC Box 082B

Site Dannemora, Sweden
Date Post-Medieval
Description Ore
Discussion Blast Furnace

Online images

NONE CURRENTLY AVAILABLE

NSC Box 082C

Site Avesta, Sweden
Date Post-Medieval
Description Blue-green glassy blast furnace slag
Discussion Blast Furnace

Online images

NONE CURRENTLY AVAILABLE

NSC Box 082D

Site Ingelsberg, Sweden
Date Post-Medieval
Description Blue-green glassy blast furnace slag
Discussion Blast Furnace

Online images

NONE CURRENTLY AVAILABLE

NSC Box 082E

Site Sweden
Date Modern experiment
Description Ore
Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 083A

Site unknwon
Date
Description Zinc sulphide
Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 083B

Site Weardale, Durham
Date
Description Galena
Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 083C

Site Force Crag, Cumbria
Date
Description Barytes with cerrusite
Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084A

Site Oxfordshire
Date
Description Ironstone
Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084B

Site Wigpool Common, Forest of Dean

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084C

Site Duckhill, Forest of Dean

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084D

Site Pickworth, Lincolnshire

Date

Description Iron ore

Discussion Possibly collected during the excavation of the iron smelting sites (Tylecote)

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084E

Site Simonside

Date

Description Bog ore?

Discussion Northumberland - NZ 02 98 (+- 3km on easting - it's a long ridge)

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084F

Site

Date

Description Iron ore (Northants)

Discussion Ore used in Tylecote, Austin & Wraith experimental smelt. Tylecote, R F, Austin, J N and Wraith, A E 1971 'The mechanism of the bloomery process in shaft furnaces'. *Journal of the Iron and Steel Institute* 209, 342–363

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084G

Site

Date

Description Iron ore (Canada)

Discussion Ore used in Tylecote, Austin & Wraith experimental smelt. Tylecote, R F, Austin, J N and Wraith, A E 1971 'The mechanism of the bloomery process in shaft furnaces'. *Journal of the Iron and Steel Institute* 209, 342–363

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084H

Site Rydal, Cumbria - c NY 36 06

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084I

Site Wigtown?, Cumbria?

Date

Description Iron ore

Discussion Wigton in Cumbria NY 25 49, or Wigtown in Galloway NX 42 55? Iron ore deposits not known near either

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084J

Site Snettisham, Norfolk

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084L

Site Liddisdale, Cumbria

Date

Description Iron ore

Discussion N of Carlisle, right on Scottish border

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084K

Site West Runton, Norfolk

Date

Description Iron ore

Discussion Possibly collected during the excavation of this 12th-century bloomery smelting site. Tylecote, R F 1962 'The bloomery site at West Runton'.
Norfolk Archaeology 34, 187–214

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084M

Site Oxstead, Surrey

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084N

Site Northamptonshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084O

Site Northamptonshire

Date

Description Iron ore; Northamptonshire (Brown)

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084P

Site Irthlingborough, Northamptonshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084Q

Site Shropshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084R

Site Dawley, Shropshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084S

Site Marston

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084T

Site Seend, Wiltshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 084U

Site Ramsbury, Wiltshire

Date

Description Iron ore

Discussion Possible collected during the excavation of the Saxon bloomery smelting sites. Haslam, J 1981 'A middle Saxon iron-smelting site at Ramsbury, Wilts'. *Medieval Archaeology* 24, 1–68.

Online images

NONE CURRENTLY AVAILABLE

NSC Box 085A

Site Staffordshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 085B

Site Rushall, Staffordshire

Date

Description Iron ore (Mush)

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 085C

Site Cumbria

Date

Description Cumberland Kidney ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 085D

Site Cumbria

Date

Description Cumberland Haemetite

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 085E

Site Gubbin

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 085F

Site Claxby, Nettleton, Lincolnshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 085G

Site Rushall, Staffordshire

Date

Description Iron ore (bloomery)

Discussion Possible collected during the archaeological excavation of the bloomery smelting site. See also Goscote.

Online images

NONE CURRENTLY AVAILABLE

NSC Box 086A

Site Dragonby, Lincolnshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE

NSC Box 086B

Site Broseley, Shropshire

Date

Description Iron ore

Discussion

Online images

NONE CURRENTLY AVAILABLE