Introduction
The National Slag Collection is a resource primarily of interest to those engaged in researching early metallurgy through physical remains. It is the property of Ironbridge Gorge Museums Trust and is subject to a Memorandum of Agreement between the Trust and the Historical Metallurgy Society.

In addition to a simple catalogue of the National Slag Collection, this document contains background information about the collection, a guide to how to use the catalogue, and instructions on how to access the collection. This document was prepared by David Dungworth with the assistance of Eddie Birch, Eleanor Blakelock, Matthew Nicholas and the Archives and Collections Committee of the Historical Metallurgy Society in 2009.

Background
The National Slag Collection originated from the private collections of several members of the Historical Metallurgy Society, such as Reg Morton and Michael Davies-Shiel. Substantial quantities of material were also deposited in the late 1970s and early 1980s at the invitation of Stuart Smith by Leo Biek of the Ancient Monuments Laboratory, part of the Department of the Environment’s DAMHB (Directorate of Ancient Monuments and Historic Buildings), before deposition of complete excavation archives became the norm. The Collection contains material from archaeological excavations as well as more casual surface finds.

The Collection includes numerous samples from sites in the West Midlands and the North West. The early stage of iron manufacture is well represented by bloom smelting slags and these are complemented by a range of blacksmithing slags. The post-medieval blast-furnace slags in the Collection are one of its most valuable assets. Blast-furnace slags have been collected from fifty-eight different sites including those using charcoal and those using coke. The coke-fired blast furnaces represented in the National Slag Collection include early examples, as well as later ones where heat was recovered and used to pre-heat the blast. The secondary iron producing processes associated with the blast furnace,
i.e. finery, chafery, puddling and founding, are represented in the collection although some of these slags are unprovenanced.

**How to use the catalogue**
The catalogue lists all of the sites/material represented in the Collection in box order and provides hyperlinks to digital images of these materials where available.
Each entry lists the following:–

**NSC Box**
The numerical portion of the box number refers to the box. Where a box contains material from a number of different sites these are distinguished by a letter suffix.

**Site Name and County**

**NGR**
The Ordnance Survey National Grid Reference number for the site.

**Slag types**
The types of slags identified. Some of the categories used are:–

- **Ball slag:** Possibly a puddling slag.
- **Bear:** Sandstone base of a blast-furnace hearth which has become impregnated with slag and/or metal (Morton and Wingrove 1969a).
- **Bessemer slag:** Assumed to be slag generated with a Bessemer converter.
- **BFS:** Blast-furnace slag (Morton and Wingrove 1969a; White 1980).
- **BFS: Charcoal:** Blast-furnace slag generated in a charcoal-fired furnace (Morton and Wingrove 1969a; White 1980).
- **BFS: Cold coke:** Blast-furnace slag generated in a coke-fired furnace without preheated blast (Morton and Wingrove 1969a; White 1980).
- **BFS: Hot coke:** Blast-furnace slag generated in a coke-fired furnace with preheated blast (Morton and Wingrove 1969a; White 1980).
- **Bloom:** Metal iron product of the bloomery smelting process ([HMS Datasheet 3](#), [HMS Datasheet 5](#) and [HMS Datasheet 6](#)).
- **Cinder tap:** Possibly a puddling slag (Killick and Gordon 1987), in some cases may be finery slag.
- **Crucible:** Ceramic vessel used to hold molten metal ([HMS Datasheet 1](#)).
- **Cu cast:** Copper casting slag.
- **Cupola:** Slag generated through the use of cupola furnace.
- **Daub:** Fired clay, possibly fragments of hearth or furnace.
- **FB:** Furnace bottom. Bloomery smelting slag which has collected at the base of a furnace ([HMS Datasheet 3](#), [HMS Datasheet 5](#) and [HMS Datasheet 6](#)).
- **Finery:** Slag associated with the conversion of cast iron into wrought iron (Morton and Wingrove 1970).
- **Hambone:** Slag associated with the consolidation of wrought iron in a chafery (Morton and Wingrove 1970).
- **Mosser:** Slag associated with the consolidation of wrought iron in a chafery (Morton and Wingrove 1970).
- **Mould:** Ceramic material used in the casting of copper alloys ([HMS Datasheet 1](#)).
- **Litharge:** Lead oxide waste from silver extraction/refining ([HMS Datasheet 2](#)).
- **Pig iron:** Cast iron.
Puddled iron: Iron from the puddling furnace (not rolled?).
Sandstone: Sandstone from a furnace.
SHB: Smithing Hearth Bottom. Smithing slag which forms inside a blacksmith’s hearth (McDonnell 1983; HMS Datasheet 3, 5 and 6)
Shingled iron: Iron from puddling or chafery which has been partially consolidated?
Tap: Tap slag. Bloomery smelting slag which has been tapped from a furnace (McDonnell 1983; Morton and Wingrove 1969b; 1972; HMS Datasheet 3, 5 and 6).
Vit Brick: Vitrified brick from a furnace.
VC: Vitrified clay, presumably fragments of furnace or hearth.

McDonnell, G 1983 ‘Tap slags and hearth bottoms, or, how to identify slags’. Current Archaeology 86, 81–83
White, JR 1980 ‘Historic blast-furnace slags: archaeological and metallurgical analysis’. Historical Metallurgy 14, 55–64

Process
The processes identified include:–
Blast Furnace: Iron smelting in which cast iron is the product.
Bloomery Smelt: Iron smelting in which solid (bloomery) iron is the product.
Cu cast: The melting and casting of copper alloys.
Cu smelt: The smelting of copper.
Cupellation: The extraction of silver from lead ores or copper-silver alloys.
Experiment: Modern experiments undertaken to replicate earlier methods.
Fe smith: The shaping of iron using blacksmithing techniques.
Forge: The production and working of wrought iron from cast iron in a finery/chafery.
Foundry: The casting of cast iron.
Puddling: The production of wrought iron from cast iron using a reverberatory furnace.

Date
Broad dates:
IA: Iron Age (c.700BC to c.AD43).
RB: Romano-British (c.AD43 to c.AD400)
AS: Anglo-Saxon (c.AD400 to c.AD1066)
Med: Medieval (c.AD1066 to c.AD1485)
PM: Post-medieval (c.AD1485 to present)

Date2
Calendar years or century (e.g. C19) where more precise dating is available.
How to access the collection

I is hoped that the links to digital photographs will provide information of use to researchers, however, in some cases further study will require physical access to the collection and in some cases sampling for scientific tests.

The National Slag Collection is housed in the archaeological stores of the Ironbridge Gorge Museum Trust, Ironbridge Institute, Coach Road, Coalbrookdale, Telford, TF8 7DQ. Access should be arranged by writing to the Senior Archaeologist. A letter of application should set out the reasons for consulting the collection. In principle, material from the Collection can be sampled for scientific investigation. If sampling is to be undertaken the letter of application must include a full justification and details of sampling, analytical techniques, etc. Where an application includes a proposal to sample, this will be considered by the Archives and Collections Committee of the Historical Metallurgy Society, and at least three months notice should be provided. Samples taken for scientific study must be returned once their investigation has been completed. Copies of any publications, reports, dissertations, etc which derive from the use of the National Slag Collection must be deposited with the Ironbridge Gorge Museum Trust.
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

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 has 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.
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
<table>
<thead>
<tr>
<th>NSC Box 007B</th>
<th>Site</th>
<th>unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>Post-Medieval (19th century?)</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Dense, dark green glassy slag which has been tapped or cast.</td>
<td></td>
</tr>
<tr>
<td>Discussion</td>
<td>This is recorded as cupola slag. The cupola furnace (used for re-melting cast iron in foundries) is largely a 19th century phenomenon.</td>
<td></td>
</tr>
<tr>
<td>Online images</td>
<td>NSC007B.01.JPG</td>
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</table>

<table>
<thead>
<tr>
<th>NSC Box 007C</th>
<th>Site</th>
<th>Millom, Cumbria, SD 182 801</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>20th century?</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Dark blue-grey (fayalitic?) slag</td>
<td></td>
</tr>
<tr>
<td>Discussion</td>
<td>Recorded as being associated with spray steel process.</td>
<td></td>
</tr>
<tr>
<td>Online images</td>
<td>NSC007C.01.JPG</td>
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<thead>
<tr>
<th>NSC Box 008</th>
<th>Site</th>
<th>Horsehay, Shropshire, SJ 686 071</th>
</tr>
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<tbody>
<tr>
<td>Date</td>
<td>Post-Medieval</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Crucible</td>
<td></td>
</tr>
<tr>
<td>Discussion</td>
<td>Foundry</td>
<td></td>
</tr>
<tr>
<td>Online images</td>
<td>NSC008.01.JPG</td>
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<thead>
<tr>
<th>NSC Box 009A</th>
<th>Site</th>
<th>Water Newton, Northamptonshire, TL 10 97</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>Roman?</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Discussion</td>
<td>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.</td>
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<tr>
<td>Online images</td>
<td>NSC009A.01.JPG</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NSC Box 009B</th>
<th>Site</th>
<th>Bix, Oxfordshire, SU 73 85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>unknown</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Discussion</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Online images</td>
<td>NSC009B.01.JPG</td>
<td></td>
</tr>
</tbody>
</table>
**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**

**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
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**

<table>
<thead>
<tr>
<th>Site</th>
<th>Unknown (various?)</th>
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</thead>
<tbody>
<tr>
<td>Date</td>
<td>Post-Medieval (20th century ?)</td>
</tr>
<tr>
<td>Description</td>
<td>Samples of ferrous alloys</td>
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</table>

**Discussion**

Online images

NSC017D.01.JPG

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**NSC Box 018**

<table>
<thead>
<tr>
<th>Site</th>
<th>Catholme, Nottinghamshire, SK 197 163</th>
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<tbody>
<tr>
<td>Date</td>
<td>Anglo-Saxon</td>
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<tr>
<td>Description</td>
<td>Smithing Hearth Bottom, hearth lining, crucible</td>
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</tbody>
</table>

**Discussion**

Online images

NSC018.01.JPG; NSC018.02.JPG

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**NSC Box 019–20**

<table>
<thead>
<tr>
<th>Site</th>
<th>Haverholme Priory, Lincolnshire, TF 109 493</th>
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<tbody>
<tr>
<td>Date</td>
<td>Medieval</td>
</tr>
<tr>
<td>Description</td>
<td>Smithing Hearth Bottom, bloom</td>
</tr>
<tr>
<td>Discussion</td>
<td>Iron smithing. Excavated by Glyn Coppack</td>
</tr>
</tbody>
</table>

**Discussion**

Online images

NSC019.01.JPG; NSC019.02.JPG; NSC020.01.JPG

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**NSC Box 021A**

<table>
<thead>
<tr>
<th>Site</th>
<th>Bere Regis, Dorset, SY 847 945</th>
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<tbody>
<tr>
<td>Date</td>
<td>Roman (second century)</td>
</tr>
<tr>
<td>Description</td>
<td>ND</td>
</tr>
<tr>
<td>Discussion</td>
<td>An iron working slag but lacking diagnostic features which would allow the identification of particular process. Possibly bloomery smelting</td>
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**Online images**

NSC021A.01.JPG

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**NSC Box 021B**

<table>
<thead>
<tr>
<th>Site</th>
<th>Brough, Yorkshire, SE 93 26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>RB</td>
</tr>
<tr>
<td>Description</td>
<td>ND</td>
</tr>
<tr>
<td>Discussion</td>
<td>An iron working slag but lacking diagnostic features which would allow the identification of particular process. Probably iron smithing.</td>
</tr>
</tbody>
</table>

**Published References**


**Online images**

NSC021B.01.JPG

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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
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**


**Online images**

[NSC024A.01.JPG](#)

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**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**


**Online images**

[NSC024B.01.JPG](#)

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**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](#)

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**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
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**

**Online images**  
NSC031.01.JPG; NSC031.02.JPG; NSC031.03.JPG

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**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

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**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**  
*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**  
*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](#)
<table>
<thead>
<tr>
<th><strong>NSC Box 032I</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Hacket Forge, Little Langdale, Cumbria, NY 322 030</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>c.1623/1630–18th century</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Dark grey-green tapped/cast slag</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>A bloomery until c.1710 then finery/chafery. The site was identified by Michael Davies-Shiel. Morton &amp; Wingrove 1972 suggest that the slag was produced by copper smelting.</td>
</tr>
</tbody>
</table>

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

**Online images**
NSC032I.01.JPG

<table>
<thead>
<tr>
<th><strong>NSC Box 032J</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Coniston, Cumbria, SD 301 976</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>unknown</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Amorphous lumps of slag with distinctive green copper corrosion.</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>Possibly copper smelting slag.</td>
</tr>
</tbody>
</table>

**Online images**
NSC032J.01.JPG

<table>
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<tr>
<th><strong>NSC Box 032K</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Levisham Moor, Yorkshire, SE 830 922</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>Iron Age (or medieval?)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Tap slag</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>Bloomery smelting slag.</td>
</tr>
</tbody>
</table>

**Published References**

**Online images**
NSC032K.01.JPG

<table>
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<tr>
<th><strong>NSC Box 032L</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Carter Ground, Cumbria, SD 228 923</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>unknown</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>small fragments of fayalitic slag</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>An iron working slag but lacking diagnostic features which would allow the identification of particular process.</td>
</tr>
</tbody>
</table>

**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 Probably an iron working slag but lacking diagnostic features which would allow the identification of particular process
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**

*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**

*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**

*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
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
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.
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 irons 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
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<th><strong>NSC Box 039</strong></th>
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<tr>
<td><strong>Site</strong></td>
<td>Canterbury, St Augustines, Kent, TR 151 578</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>unknown</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Smithing Hearth Bottom</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>Iron smithing</td>
</tr>
<tr>
<td><strong>Online images</strong></td>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Brancaster, Norfolk, TF 782 440</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>Roman</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Smithing Hearth Bottom</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>Iron smithing</td>
</tr>
<tr>
<td><strong>Published References</strong></td>
<td>Hinchcliffe, J and Green, C S 1985 <em>Excavations at Brancaster 1974 and 1977</em>. Norfolk: Norfolk Museums Service</td>
</tr>
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<td><strong>Online images</strong></td>
<td>NSC040.01.JPG; NSC041.01.JPG; NSC041.02.JPG</td>
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<th><strong>NSC Box 042</strong></th>
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<tr>
<td><strong>Site</strong></td>
<td>Stamford Co-op, Lincolnshire, TF 032 072</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>Medieval (Saxo-Norman)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Tap</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>Bloomery smelting.</td>
</tr>
<tr>
<td><strong>Online images</strong></td>
<td>NSC042.01.JPG; NSC042.02.JPG;</td>
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<th><strong>NSC Box 043–044</strong></th>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Cannock Forge, Staffordshire, SJ 98 10</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>c.1600–1650</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Hambone, cinder tap, Vitrified brick, sandstone</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>Finery/chafery slags</td>
</tr>
<tr>
<td><strong>Online images</strong></td>
<td>NSC043.01.JPG; NSC044.01.JPG</td>
</tr>
</tbody>
</table>
**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**


**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  

**Published References**

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

**Online images**

NSC046.01.JPG; NSC046.02.JPG; NSC047.01.JPG; NSC047.02.JPG; NSC047.03.JPG

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**NSC Box 048A**

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

**Online images**

NSC048A.01.JPG

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**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; NSC050-51.05.JPG; NSC050-51.06.JPG; NSC050-51.07.JPG; NSC050-51.08.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**
**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**  
**Online images**  
NSC056A.01.JPG

**NSC Box 056B**  
*Site*  Rockley, Yorkshire, SE 340 023  
*Date*  15th to 17th century  
*Description*  Tap slag  
*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

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**NSC Box 058B**

*Site*  
Tallington, Lincolnshire, TF 105 091

*Date*  
Iron Age or Roman

*Description*  
Tap

*Discussion*  
Bloomery smelting

*Online images*  
NSC058B.01.JPG

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**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*  

*Online images*  
NONE CURRENTLY AVAILABLE

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**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*  

*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**  
**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 Hll, 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 fayaltic (?) 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**  

**Online images**  
NSC063.01.JPG

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**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.

**Published References**

**Online images**  
NSC064.01.JPG

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**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;

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**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**  

**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*  


*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*  

*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
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

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**NSC Box 070B**

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

**Online images**  
NSC070B.01.JPG

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**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

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**NSC Box 071A**

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

**Published References**


**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

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 smiting.

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 smiting.

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
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, Ickenthwaite, 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
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
Published References
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
<table>
<thead>
<tr>
<th>NSC Box 080B</th>
<th>NSC Box 080C</th>
<th>NSC Box 080D</th>
<th>NSC Box 080E</th>
<th>NSC Box 080F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Benthall, Shropshire</td>
<td>Bedlam, Shropshire</td>
<td>Stirchley, Shropshire, SJ 700 074</td>
<td>Lodge, Shropshire, SJ 717 123</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>Post-Medieval</td>
<td>Post-Medieval</td>
<td>1827–c1885</td>
<td>1825-1888</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Ore, blast furnace slag</td>
<td>Blue-green glassy blast furnace slag</td>
<td>Blue-green glass blast furnace slag</td>
<td>Blue-green glass blast furnace slag</td>
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<tr>
<td><strong>Discussion</strong></td>
<td>Blast Furnace</td>
<td>Cold-blast, charcoal-fired blast furnace?</td>
<td>Hot-blast, coke-fired blast furnace. See NSC080F</td>
<td>Cold-blast, coke-fuelled blast furnace</td>
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<tr>
<td><strong>Online images</strong></td>
<td>NSC080B.01.JPG</td>
<td>NSC080C.01.JPG</td>
<td>NSC080D.01.JPG</td>
<td>NSC080E.01.JPG</td>
</tr>
</tbody>
</table>
### 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
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<th><strong>NSC Box 082E</strong></th>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Sweden</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>Modern experiment</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Ore</td>
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<td><strong>Online images</strong></td>
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<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Zinc sulphide</td>
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<td><strong>Online images</strong></td>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Weardale, Durham</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Galena</td>
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<tr>
<td><strong>Online images</strong></td>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Force Crag, Cumbria</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Barytes with cerrusite</td>
</tr>
<tr>
<td><strong>Online images</strong></td>
<td>NONE CURRENTLY AVAILABLE</td>
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<td><strong>Site</strong></td>
<td>Oxfordshire</td>
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<tr>
<td><strong>Date</strong></td>
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<tr>
<td><strong>Description</strong></td>
<td>Ironstone</td>
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<tr>
<td><strong>Online images</strong></td>
<td>NONE CURRENTLY AVAILABLE</td>
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</tbody>
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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)
Online images: NONE CURRENTLY AVAILABLE
NSC Box 084G
Site
Date
Description Iron ore (Canada)
Discussion Ore used in Tylecote, Austin & Wraith experimental smelt.
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 Wigtown 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
<table>
<thead>
<tr>
<th><strong>NSC Box 084K</strong></th>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>West Runton, Norfolk</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Iron ore</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>Possibly collected during the excavation of this 12th-century bloomery smelting site. Tylecote, R F 1962 ‘The bloomery site at West Runton’. <em>Norfolk Archaeology</em> 34, 187–214</td>
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<tr>
<td><strong>Online images</strong></td>
<td>NONE CURRENTLY AVAILABLE</td>
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</tbody>
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<th><strong>NSC Box 084M</strong></th>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Oxstead, Surrey</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Iron ore</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td></td>
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<tr>
<td><strong>Online images</strong></td>
<td>NONE CURRENTLY AVAILABLE</td>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Northamptonshire</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Iron ore</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Online images</strong></td>
<td>NONE CURRENTLY AVAILABLE</td>
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</tbody>
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<tr>
<th><strong>NSC Box 084O</strong></th>
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<tbody>
<tr>
<td><strong>Site</strong></td>
<td>Northamptonshire</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Iron ore; Northamptonshire (Brown)</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
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</tr>
<tr>
<td><strong>Online images</strong></td>
<td>NONE CURRENTLY AVAILABLE</td>
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<tr>
<td><strong>Site</strong></td>
<td>Irthlingborough, Northamptonshire</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Iron ore</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
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<tr>
<td><strong>Online images</strong></td>
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</table>
**NSC Box 084Q**

*Site*  
Shropshire

*Date*

*Description*  
Iron ore

*Discussion*

*Online images*  
NONE CURRENTLY AVAILABLE

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**NSC Box 084R**

*Site*  
Dawley, Shropshire

*Date*

*Description*  
Iron ore

*Discussion*

*Online images*  
NONE CURRENTLY AVAILABLE

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**NSC Box 084S**

*Site*  
Marston

*Date*

*Description*  
Iron ore

*Discussion*

*Online images*  
NONE CURRENTLY AVAILABLE

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**NSC Box 084T**

*Site*  
Seend, 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

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**NSC Box 084U**

*Site*  
Ramsbury, Wiltshire

*Date*

*Description*  
Iron ore

*Discussion*

*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

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**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

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**NSC Box 086A**

*Site*  
Dragonby, Lincolnshire

*Date*

*Description*  
Iron ore

*Discussion*

*Online images*  
NONE CURRENTLY AVAILABLE

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**NSC Box 086B**

*Site*  
Broseley, Shropshire

*Date*

*Description*  
Iron ore

*Discussion*

*Online images*  
NONE CURRENTLY AVAILABLE