

The Use and Significance of Early Bronze Age Stone Battle-Axes and Axe-Hammers from Northern Britain and the Isle of Man

By AMBER SOFIA ROY

TABLE S1: BATTLE-AXES AND AXE-HAMMERS FROM NORTHERN BRITAIN AND THE ISLE OF MAN CONSIDERED IN THE PROJECT

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
B-A	ABN	Aberd118	Alford	N
B-A	ORK	Aberd119.1	Longhope, Hoy	N
B-A	ABN	Aberd124.4	Monymusk	N
A-H	ABN	AAG 67.6.4	Cushnie	N
B-A	ABN	AberdNo.39(cat)	Strichen	N
B-A	Y	Ashmolean19273825	unknown	N
A-H	ABN	Aberd 125.3	Ardo Moss	N
B-A	Y	Ashmolean19273847	unknown	N
B-A	Y	BM	High Mowthorpe	N
B-A	Y	BM (299)	Cawton	N
B-A	Y	BM (313)	Flixton	N
B-A	Y	BM (316)	Scalby	N
A-H	NOR	Alnwick Castle 87	Northumberland	N
A-H	NOR	Alnwick Castle 88	Doddington	N
A-H	NOR	Alnwick Castle 89	Burradon, East Bank	N
A-H	NOR	Alnwick Castle 90	Alnmouth, nr Hipsburn	N
A-H	NOR	Alnwick Castle 91	Shilbottle, Deanmoor Fm	N
B-A	Y	BM (318)	Flixton	N
A-H	LA	Blackpool 115 NSA 10	Staynall, Danson's Farm	N
A-H	LA	Blackpool 116 NSA 11	Claughton, Hudsbrook Farm	N
B-A	Y	BM (325)	Snainton	N
B-A	Y	BM (Trechmann)	Levisham	N
B-A	Y	BM 1922 3-7 1	Holme-on-Spalding	N
B-A	Y	BM 2010,8035.20	Loose Howe	Y
B-A	Y	BM 297	Kirklington	N
B-A	ROX	BM 311	Sprouston	N
B-A	Y	BM 31-12 88 +400B	Unlocated (Yokshire)	N
B-A	Y	BM 317	Flixton	N
B-A	Y	BM 323	Lutton	N
A-H	LA	Blackpool 117 NSA 6	Pilling	N
A-H	LA	Blackpool 118 NSA 12	Claughton, the Sixacre	N
A-H	LA	Blackpool Lib	Blackpool, Gas Works	N
A-H	LA	Blackpool Lib	Layton, Blackpool	N
A-H	KRK	BM	Shambellie	N
A-H	Y	BM (Franks 4279)	Hull	N
A-H	NOR	BM 1911.10-25.55	Corbridge	N
A-H	FIF	BM 562,9-5,1	Balmerino	Y
A-H	LA	Bolton	Claughton, nr the Hall	N
A-H	LA	Bolton 14.32	Holcombe	N
B-A	Y	BM 324	Ganton	N
B-A	Y	BM 334	Weaverthorpe	N
A-H	LA	Bolton 28a.97	Blackrod, nr Bolton	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
A-H	LA	Bolton 38	River Lune nr Lancaster	N
A-H	LA	Bolton 8.83.12/1	Silverdale	N
A-H	LA	Burnley 19F	Ogden Clough, nr Burnley	N
A-H	LA	Bury	Woolfold, Bury	N
A-H	CUM	Carlisle 118.1977.2	no provenance	Y
A-H	CUM	Carlisle 119.1961	Brougham	Y
A-H	CUM	Carlisle 1916.37	nr Silloth	Y
A-H	CUM	Carlisle 2015.76.7 EF3667	Woodend	Y
A-H	CUM	Carlisle 27.1926 331	Kirkbride	Y
A-H	CUM	Carlisle 69.1950	?Wolsty Bank	Y
A-H	CUM	Carlisle 83.1962	Gilgarran	Y
A-H	DMF	Carlisle 87-1970.1	Glenzier Burn, nr Canonbie	N
B-A	Y	BM 343	Coxwold	N
B-A	Y	BM 344	Lutton	N
B-A	Y	BM 47 2-8 105	Stanwick	N
A-H	CUM	Carlisle A 11 210	Grinsdale	Y
A-H	DMF	Carlisle AII 230	Dumfries	N
A-H	CUM	Carlisle L43	Skelsmergh	Y
A-H	CUM	Carlisle R.1.	nr Wigton	Y
A-H	CUM	Carlisle R.2	Ireby	Y
A-H	CUM	Carlisle R.41	Aspatria	Y
A-H	CUM	Carlisle RF 28	Ulveston	Y
A-H	CH	Chester 26.P.55	Beeston	N
A-H	CH	Chester 37.51	Alderley Edge	N
A-H	CH	Chester 48.P.64	Frodsham	N
B-A	Y	BM 76 4-10 3	Danby North Moor	N
A-H	CH	Chester 94.P.61	Pinsley Green, Wrenbury	N
A-H	CH	Chester CC.301?	Macclesfield	N
A-H	CH	Chester CC.364A	Coddington	N
B-A	Y	BM 76 4-10 34	Western Howes	Y
B-A	Y	BM 76 4-10 46-47	Herd Howe	Y
B-A	Y	BM 79 12-9 1062	Rudston	Y
B-A	Y	BM 79 12-9 107	Ganton	Y
B-A	Y	BM 79 12-9 1119	Flixton	N
A-H	LA	Clitheroe 547	Bleasdale	N
A-H	DMF	Dmfs 1934/10	Drummuir Farm	N
B-A	Y	BM 79 12-9 1175	Goodmanham	Y
A-H	DMF	Dmfs 1934/15	Ruthwell	N
A-H	DMF	Dmfs 1934/16	Irongay	N
A-H	DMF	Dmfs 1934/17	Ruthwell	N
A-H	DMF	Dmfs 1934/19	Kirkmichael	N
A-H	DMF	Dmfs 1934/20	Barncleugh	N
A-H	DMF	Dmfs 1934/30	Annandale	N
A-H	DMF	Dmfs 1934/31	Rockhall	N
A-H	KRK	Dmfs 1934/32	Maxwelltown	N
A-H	DMF	Dmfs 1934/34	Dumfries district	N
A-H	KRK	Dmfs 1934/35	Moat of Troqueer	N
A-H	KRK	Dmfs 1934/36	Carruchan	N
A-H	DMF	Dmfs 1934/9	Marchmount	N
A-H	KRK	Dmfs 1935.15	Troqueer	N
A-H	DMF	Dmfs 1937/1	Portrack	N
A-H	DMF	Dmfs 1948/5	Trolloss Farm	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
B-A	Y	BM 79 12-9 605	Cowlam	Y
B-A	Y	BM 82 3-23 23	Hambleton Moor	Y
A-H	DMF	Dmfs 1949/17	Glencairn	N
A-H	DMF	Dmfs 1949/18	Glencairn	N
A-H	DMF	Dmfs 1949/20	Dunscore	N
A-H	DMF	Dmfs 1950/61	Creighton R.I. Hosp.	N
B-A	Y	BM 88 9-1 1	Huggate Pasture	N
B-A	Y	BM ST 156	Unlocated (Yokshire)	N
A-H	DMF	Dmfs 1951/1	Dumfries	N
B-A	Y	BM Sturge 460	Kirklington	Y
A-H	WIG	Dmfs 1961/20	Dowalton, Sorbie	N
B-A	NOR	BM Sturge 470	Seghill	Y
A-H	DMF	Dmfs 1964/126	Cormaddie Farm	N
A-H	DMF	Dmfs 1965/359	High Kilroy	N
A-H	DMF	Dmfs 1965/360	Whitehall Farm	N
A-H	DMF	Dmfs 1965/361	Greenhead	N
A-H	WIG	Dmfs 1965/362	Glasserton	N
A-H	KRK	Dmfs 1965/363	Lochpatrick Mill	N
A-H	DMF	Dmfs 1965/364	Hollywood	N
B-A	NOR	BM Sturge 471	Holystone	Y
A-H	DMF	Dmfs 1965/365	Auchenage	N
A-H	DMF	Dmfs 1965/369	Keir Mill, Keir	N
A-H	DMF	Dmfs 1965/370	Cobshaw Farm	N
B-A	LA	BoltonA.1.1948	Brightmet, Bolton	N
A-H	DMF	Dmfs 1965/370A	Balterson Farm	N
A-H	DMF	Dmfs 1965/370B	Park of Closeburn	N
A-H	DMF	Dmfs 1965/376A	Hollywood	N
A-H	DMF	Dmfs 1965-360	Whitehall Farm	N
A-H	DMF	Dmfs 1965-367	Chanlockfoot (penpont)	N
A-H	DMF	Dmfs 1965-368	Auldgirth	N
A-H	DMF	Dmfs 1967/590 (labelled 1967/490)	Glencairn Valley	N
A-H	DMF	Dmfs 1967-598-13	Ulzieside	N
A-H	DMF	Dmfs 1968/152	Glencaple	N
A-H	DMF	Dmfs 1969/45	Annan	N
A-H	DMF	Dmfs 1971/156	Applegarth	N
A-H	DMF	Dmfs 1972/37	Ecclefechan	N
A-H	DMF	Dmfs 1977/32	Kingholm	N
B-A	Y	Bradford Museum	Stanbury	N
B-A	Y	BridlingtonC.15.31	Bridlington	N
B-A	ARG	Campbeltown	unknown	N
B-A	CUM	Carlisle 16.1953	Solway Moss	Y
B-A	CUM	Carlisle 41.1931	Stanger Farm, Embleton	Y
B-A	CH	Chester 192	Tarporley, Peckforton Farm	N
B-A	CH	Chester 46.P.61	Norbury/Bickley	N
B-A	KRK	Dmfs1934/25	Janefield Park	N
B-A	DMF	Dmfs1946/2	Castledykes	N
B-A	DMF	Dmfs1948/6	Locharbriggs	N
B-A	DMF	Dmfs1965/75	Amisfield	N
B-A	DMF	Dmfs1969/46	Annandale	N
B-A	DMF	DmfsNo.254	Barrhill, Keir	N
B-A	Y	Doncaster306X	Armthorpe	N
B-A	Y	Doncaster308X	Doncaster	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
B-A	CUMB	EdinburghUniv	Plumpton Wall	N
B-A	LK	GAGM 13-49f	Glasgow	N
A-H	DMF	Dmfs1951/1	Dumfries	N
A-H	Y	Doncaster 47.66	Barnby Dun	N
B-A	Y	Hull 26.7.426	Garton Slack	N
A-H	Y	Doncaster WAC962	Owston Ferry	N
B-A	Y	Hull300.42.3	Wold Newton	N
A-H	SCOT	Dumf 1948/48	unknown	N
B-A	Y	Hull300.42.350	Burton Agnes	N
B-A	Y	Hull300.42.351	Cowlam	N
B-A	Y	Hull300.42.353	Ganton	N
B-A	Y	Hull300.42.356	Sproatley	N
B-A	Y	Hull300.42.360	Nafferton	N
B-A	Y	HullM.233	Hanging Grimston 90	N
A-H	SCOT	Dumf 1961/20	unknown	N
B-A	Y	HullM.961	Blanch C89	N
A-H	LA	Geological Mus, London ECON15655	Cantsfield, Kirkby Lonsdale	N
B-A	CLK	HuntB.1914.247	Sauchie, Alloa	N
B-A	EL	HuntB.1951.2119	unknown	N
B-A	MRY	HuntB.1951.2121	Culbin, Forres	N
B-A	PBL	HuntB.1951.2123	nr West Linton	N
B-A	AYR	Kelv	Carwinning Hill	N
B-A	REN	Kelv 55-96	High Lawfield	N
A-H	Y	Harrogate museum	unknown	N
A-H	SCOT	Hawick	unknown	N
A-H	DMF	Hawick	Muckleholm	N
A-H	ROX	Hawick	River Teviot, Hawick	N
A-H	ROX	Hawick	Denholmhill Fort	N
A-H	Y	Huddersfield A.24.58	Kirkburton	N
A-H	Y	Hull 300.42.14	Burstwick	N
A-H	Y	Hull 300.42.179	Lowthorpe	N
A-H	Y	Hull 300.42.27	Helmsley	N
A-H	Y	Hull 300.42.320	Ottringham	N
A-H	Y	Hull 300.42.347	Driffield	N
A-H	Y	Hull 300.42.378	Hutton Cranswick	N
A-H	Y	Hull 300.42.380	Atwick	N
A-H	Y	Hull 300.42.462	Farndale	N
A-H	Y	Hull 300/42/375	Sunderlandwick	N
A-H	Y	Hull 300/42/377	Hornsea	N
B-A	AYR	Kelv51-45	Hallowshean Farm	N
B-A	REN	Kelv55-96	Lawfield, Kilmacolm	N
B-A	WIG	Kelv55-96	Whithorn	N
B-A	WIG	Kelv'55-96	Low Glengyre	N
B-A	AYR	KelvLA6436c	Montfode Braes	N
A-H	Y	Hull 300/42/381	Scarborough	N
A-H	Y	Hull 54.57	Sewerby, Bridlington	N
A-H	Y	Hull 84.59	Harpham	N
A-H	Y	Hull 92.69	Catfoss, Seaton	N
A-H	Y	Hull M.399	Calais 23	N
A-H	ROX	Hunt B. 1914.225	Melrose	N
A-H	BRW	Hunt B. 1914.251	Craigsford Mains	N
A-H	BRW	Hunt B. 1914.252	Whitsome	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
A-H	KRK	Hunt B. 1914.253	New Abbey	N
A-H	WIG	Hunt B. 1914.257	Barnhills	N
A-H	KRK	Hunt B. 1951.2120	Grierson, New Abbey	N
A-H	MRY	Hunt B. 1951.2122	Kintessack	N
A-H	WIG	Hunt B. 1951.2239	near Maryport	N
A-H	BRW	Hunt B.1914.250	Carolside	N
A-H	SCOT	Hunt B.1914.256	unknown	N
A-H	REN	Kelv 02-114f	Bridge of Johnstone	N
A-H	KRK	Kelv 1-43	Auchlane Farm	N
B-A	AYR	KilmTF305	Templeton Farm	N
B-A	AYR	KilmTF312	Templeton Farm	N
B-A	KRK	Kirk4050	New Calloway	N
B-A	KRK	Kirk4089	Kirkcudbright	N
B-A	Y	LeedsD.61.1964	Harwood Dale, nr Scarborough	N
B-A	LAN	Manchester 1990.2	Failsworth	Y
A-H	WIG	Kelv 55-96	Felyennan	N
B-A	LA	Manchester0.4840	Northenden	N
B-A	IOM	MNH 1954-0593	Knockaloe	Y
B-A	IOM	MNH 1954-0617	Foxdale	Y
B-A	IOM	MNH 1954-2801	Jurby	Y
B-A	IOM	MNH 1971-0201	Cronk Y Voddy, Ballageeil	Y
B-A	IOM	MNH 1980-0406	Ballakilley	Y
B-A	NOR	Newcastle 1904.6	Newcastle, Barras Bridge	Y
B-A	NOR	Newcastle 1932.14.3	Rothbury	Y
B-A	NOR	Newcastle 1931.14		N
B-A	FIF	NMS AH 230	Cluny Muir, Thornton	Y
B-A	BNF	NMS AH 104	Unknown	Y
B-A	PER	NMS AH 106	Grantully	Y
B-A	EL	NMS AH 108	Longniddry	Y
B-A	CAT	NMS AH 109	Breckigo	N
B-A	WIG	NMS AH 113	Inch	N
B-A	MLT	NMS AH 116	Cranstown	Y
B-A	PER	NMS AH 124	nr Crieff	N
B-A	SHE	NMS AH 126	Shetland	N
B-A	ORK	NMS AH 133	Sandwick	Y
B-A	LNK	NMS AH 136	Westside Wood	Y
B-A	PBL	NMS AH 137	Ladyurd	Y
B-A	ANG	NMS AH 142	Burnside Mill	Y
B-A	BRW	NMS AH 151	Lauder	Y
B-A	REN	NMS AH 158	Barochan	N
B-A	LNK	NMS AH 162	Glasgow, Fossil Grove	N
A-H	WIG	Kelv 55-96	Barnsallie	N
B-A	PER	NMS AH 170	nr. Perth	N
B-A	FIF	NMS AH 174	St Andrew	N
B-A	CAT	NMS AH 175	Wick	Y
A-H	WIG	Kelv 55-96	Dunragit	N
B-A	ROX	NMS AH 179	Mossburnford	N
A-H	WIG	Kelv 55-96	Balgracie Farm	N
B-A	FIF	NMS AH 185	Newport	Y
B-A	ORK	NMS AH 196	Georth	N
B-A	ROX	NMS AH 198	Fairnington, Kelso	N
B-A	ABN	NMS AH 202	Mid Clova	Y
A-H	WIG	Kelv 55-96	Bishops Burn	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
B-A	ANG	NMS AH 209	Glamis Parish	N
A-H	ROX	Kelv 55-96	Hownam	N
B-A	ROS	NMS AH 221	Balnagown	Y
B-A	ABN	NMS AH 225	Thistley Crook Farm	Y
B-A	PER	NMS AH 234	Comrie, probably	N
A-H	AYR	Kelv 55-96	Killkerran	N
B-A	PER	NMS AH 236	Loch Tummel	N
B-A	SUT	NMS AH 239	River Fleet	Y
A-H	PER	Kelv 83-19	Gartmore	N
A-H	AYR	Kelv A.705	Pennyland	N
A-H	AYR	Kilm AC311	Auchan Castle	N
A-H	KRK	Kirk	Hills, Lochrutton	N
A-H	KRK	Kirk 144	Langbarns Farm	N
B-A	BRW	NMS AH 243	Chirnside	N
A-H	KRK	Kirk 1608	Kelton	N
B-A	ROX	NMS AH 244	River Kale	N
A-H	KRK	Kirk 2683	North Milton Farm	N
A-H	KRK	Kirk 2946	Culraven Farm	N
B-A	WIG	NMS AH 28	Claycrop	N
A-H	KRK	Kirk 3283	Irelandton Farm	N
A-H	KRK	Kirk 3899	Garmartin	N
A-H	KRK	Kirk 5060	near Castle Douglas	N
A-H	KRK	Kirk 5062/a	near Castle Douglas	N
A-H	KRK	Kirk 5070	Cairnsmore	N
B-A	AYR	NMS AH 328	Lugar, lugar water	N
A-H	KRK	Kirk 5249	River Cree	N
A-H	KRK	Kirk5250	Culquha Farm	N
A-H	CH	KnutsfordLib	Bexton	N
A-H	LA	LancashireRecOff	Weeton, nr Slack House	N
B-A	ARG	NMS AH 35	Island of Coll	N
B-A	ORK	NMS AH 36	Whitehall, Stronsay	Y
A-H	LA	LancashireRecOff	Winmarleigh	N
A-H	LA	LancasterLM 932/1	Oxcliffe	N
A-H	LA	LancasterLM 932/2	Quernmore	N
A-H	LA	LancasterLM286	Dolphinholme, river Wyre	N
A-H	LA	LancasterLM'47336	Wray	N
B-A	PER	NMS AH 44	Mugdrum Island	Y
A-H	LA	LancasterLM59C	Lancaster	N
B-A	WIG	NMS AH 45	Portpatrick	Y
A-H	LA	LancasterLM637	Nether Kellet	N
A-H	LA	LancasterLM685	Lancaster, Newlands	N
A-H	LA	LancasterLM70	Lancaster	N
A-H	LA	LancasterLM74/1	Borwick	N
B-A	PBL	NMS AH 56	Harley Muir	N
A-H	LA	LancasterLM74/2	Yealand, Mossdale	N
B-A	FIF	NMS AH 57	River Tay, Newburgh	Y
B-A	MRY	NMS AH 60	Elgin	Y
B-A	ORK	NMS AH 702	Skail	N
B-A	ARG	NMS AH 74	Inverary	N
B-A	PER	NMS AH 75	Auchterarder	N
B-A	MLT	NMS AH 93	Cobbinshaw Lock	Y
B-A	ROX	NMS AM 55	Ruberslaw	N
A-H	LA	LancasterLM785	nr Conder Green	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
B-A	ABN	NMS EP 2	Broomend of Crichie	Y
A-H	LA	LancasterLM9/a	Lancaster	N
B-A	AYR	NMS EP 57	Nith Lodge	Y
A-H	Y	Leeds D.139.1964	Normanton	N
B-A	ARG	NMS EQ 251-2	Oban Mckelvi Hospital	N
A-H	Y	Leeds D.140.1964	Morley	N
A-H	Y	Leeds D.193.1964	Conisborough	N
A-H	Y	Leeds D.194.1964	Whitby	N
A-H	Y	Leeds D.195.1964	Leeds	N
A-H	Y	Leeds D.197.1964	Sheriff Hutton	N
A-H	Y	Leeds D.199.1964	Harewood	N
A-H	Y	Leeds D.42.1968	Stutton with Hazelwood	N
A-H	Y	Leeds D.460.1964	Scarborough	N
A-H	Y	Leeds D.508.1964	Kirkby Malzeard	N
A-H	Y	Leeds D.92.1971	Adel	N
A-H	LA	Liverpool 39.4061	Clubmoor, Liverpool	N
B-A	BRW	NMS EQ 322	Hagg Wood, Foulden	Y
A-H	LA	Liverpool 50.41	Great Altcar, Formby	N
A-H	CH	Liverpool M.6671	Tranmere, Tranmere Pool	N
A-H	CH	Manchester 0.4830	Gatley	N
A-H	CH	Manchester 0.7597	Alderley Edge	N
A-H	CH	Manchester 0.7898	Chelford	N
A-H	LA	Manchester 0.7899	Rawtenstall	N
A-H	LA	Manchester 0.798	Heaton Chapel	N
A-H	CH	Manchester 1986.7	Alderley Edge	N
A-H	CH	Manchester 1998.353	Dickens Wood	Y
A-H	CH	Manchester 25921	Macclesfield	N
A-H	LAN	Manchester 25927	Upper Pike Lane/Hill, Rawtenstall	Y
A-H	LA	Manchester 25931	Bickershaw Hall, Abram	N
A-H	CH	Manchester 25932	Wilmslow or unlocated	N
A-H	CH	Manchester 25938	Chelford	Y
A-H	LAN	Manchester 38351	Heaton Chapel (Great Manchester)	Y
A-H	LA	Manchester Art Gall 1909-77	Collyhurst/Harpurhey	N
A-H	IOM	MNH 1954-0617	Foxdale	N
A-H	IOM	MNH 1954-1252	Shellag Brooghs	Y
A-H	IOM	MNH 1954-2801	Jurby	N
A-H	IOM	MNH 1954-6684	Bishop's Demesne	Y
A-H	IOM	MNH 1971-0201	Cronk Y Voddy, Ballageeil	N
A-H	IOM	MNH 1980-0406	Ballakilley	N
A-H	NOR	Newcastle 1891.3	Edgewell, Prudhoe	Y
A-H	NOR	Newcastle 1899.2	Whaggs Estate	Y
A-H	NOR	Newcastle 1932.14.3	Rothbury	N
A-H	NOR	Newcastle 1933.38	Ingleton and Headlam, between Scot's Dyke	Y
A-H	NOR	Newcastle 1938.18	Felling	Y
A-H	NOR	Newcastle 1939.10	Alnwick, North Charlton	Y
A-H	NOR	Newcastle 1942.10	Gunnerton qy, Barrasford	Y
A-H	NOR	Newcastle 1944.9	Chesterhill, Felton	N
A-H	NOR	Newcastle 1945.1	Sunderland	Y
A-H	NOR	Newcastle 1956.314.A		N
A-H	NOR	Newcastle 1973.3	Blackhall Mill	Y
A-H	NOR	Newcastle 1973.41		N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
A-H	NOR	Newcastle 1975.22		N
A-H	NOR	Newcastle 1981.5	Corbridge	Y
A-H	NOR	Newcastle 1985.29		N
A-H	NOR	Newcastle 1992.4	Felton	Y
A-H	DMF	NMS AH 1	Westhills Farm	Y
A-H	KRK	NMS AH 10	Carlingwark Loch	N
A-H	DMF	NMS AH 11	Lochmaben	Y
A-H	KRK	NMS AH 110	Auchencairn Moss	N
A-H	WIG	NMS AH 117	Drumfad	N
A-H	WIG	NMS AH 118	Mochrum	N
A-H	AYR	NMS AH 12	Beith	N
A-H	CLK	NMS AH 120	Balquharn, Alva	N
A-H	WIG	NMS AH 125	Torhouskie	N
A-H	DMF	NMS AH 128	near Lochmaben	N
A-H	DMF	NMS AH 13	Kirk of Dunscore	N
A-H	AYR	NMS AH 14	Preston, Colmonell	Y
A-H	DMF	NMS AH 140	Douglas Farm	N
A-H	WIG	NMS AH 143	Glasserton	N
A-H	WIG	NMS AH 145	Drumfad	N
A-H	AYR	NMS AH 147	Colmonell	Y
A-H	MLT	NMS AH 148	Longmuir, Stow	N
A-H	BRW	NMS AH 149	near Lauder	N
A-H	WIG	NMS AH 15	North Milton	N
A-H	MLT	NMS AH 16	Leith, Edinburgh	Y
A-H	WIG	NMS AH 166	Lochnaw Estate	N
A-H	DMF	NMS AH 168	Lochmaben	N
A-H	WIG	NMS AH 17	Culmore	N
A-H	KRK	NMS AH 171	Minnigaff	Y
A-H	KRK	NMS AH 172	Minnigaff, probably	N
A-H	FIF	NMS AH 174	nr St Andrews	N
A-H	AYR	NMS AH 176	Craigie	N
A-H	WIG	NMS AH 18	Stewarton, Sorbie	N
A-H	KRK	NMS AH 19	Balmaclellan	N
A-H	ABN	NMS AH 191	Turriff	Y
A-H	DMF	NMS AH 199	Loch of Friarscarse	N
A-H	WIG	NMS AH 2	Mye Loch	N
A-H	WIG	NMS AH 20	near Portpatrick	N
A-H	EL	NMS AH 208	East Lothian	N
A-H	WIG	NMS AH 21	Machermore	Y
A-H	ROX	NMS AH 212	Nisbet Hill Moor	Y
A-H	EL	NMS AH 215	Athelstaneford	Y
A-H	WIG	NMS AH 22	High Clone	Y
A-H	KRK	NMS AH 224	Grange Farm, Urr	Y
A-H	WIG	NMS AH 226	Whithorn	Y
A-H	MLT	NMS AH 227	Ratho	N
A-H	MLT	NMS AH 229	Leadburn	N
A-H	PER	NMS AH 237	near Perth	Y
A-H	AYR	NMS AH 238	Lugar Water, Lugar	N
A-H	ROS	NMS AH 249	Ballavullin	Y
A-H	WIG	NMS AH 252	Longforth Farm	N
A-H	WIG	NMS AH 26	Cunningham Farm	Y
A-H	KRK	NMS AH 27	Kelton	N
A-H	PER	NMS AH 5	Invernethy	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
A-H	LNK	NMS AH 50	Aikbrae	Y
A-H	FIF	NMS AH 52	River Tay, nr Newburgh	N
A-H	WIG	NMS AH 54	Duplin, Balgown	N
A-H	MLT	NMS AH 55	Roslin	N
A-H	MLT	NMS AH 59	West Calder	N
A-H	AYR	NMS AH 63	Blinddurn, Dalgain	N
A-H	KRK	NMS AH 64	Balmaclellan	N
A-H	WIG	NMS AH 72	Balgown, Kirkcolm	N
A-H	REN	NMS AH 73	Mearns	N
A-H	ARG	NMS AH 74	Inverary	N
A-H	WIG	NMS AH 76	Barnkirk Farm	N
A-H	WIG	NMS AH 77	Barr	N
A-H	WIG	NMS AH 78	Barness, Wigtown	N
A-H	WIG	NMS AH 79	Bishops Burn	N
A-H	BRW	NMS AH 8	Duns	N
A-H	WIG	NMS AH 80	Balcraig	N
A-H	WIG	NMS AH 81	Wigtown	N
A-H	WIG	NMS AH 82	Airiehassan	N
A-H	WIG	NMS AH 83	Wigtown	N
A-H	WIG	NMS AH 84	Carleton	N
A-H	WIG	NMS AH 85	Orchardton	N
A-H	WIG	NMS AH 86	Physgil	N
A-H	KRK	NMS AH 9	Deebank	N
A-H	MLT	NMS AH 91	Eskhill, Roslin	N
A-H	WIG	NMS AH 97	Glenluce	N
A-H	ANG	NMS AH 98	Tannadice, Forfar	Y
A-H	WIG	NMS AH 99	Old Luce	N
A-H	ROX	NMS L.1933.2103	Old Roxburgh	N
A-H	PBL	Pbls 5101	Dreva Farm	N
A-H	PBL	Pbls 5102	Haystoun Farm	N
A-H	PER	Perth 1/1945	East Hatton	N
A-H	PER	Perth 78	Cargill	N
A-H	PER	Perth 79	Rossie Law, Dunning	N
A-H	CH	pp	Edge Hall, Malpas	N
A-H	CH	pp	Congleton area	N
A-H	CH	pp	Withington	N
A-H	LA	pp	Altcar, Hill House Fm	N
A-H	LA	pp	Caton Moor	N
A-H	?	PP	unknown	N
A-H	LA	Preston	unknown	N
A-H	LA	Preston	Bamber Bridge	N
A-H	LA	Preston	unlocated	N
A-H	LA	Preston A 560	Barton	N
A-H	LA	Preston A 79	nr Chipping	N
A-H	LA	Preston A 80	Longridge	N
A-H	LA	Preston A 81	Bowland, nr Cow Ark Field	N
A-H	LA	Preston A 83	nr Southport	N
A-H	LA	Radcliffe PRE 50/1	Blackford Bridge	N
A-H	LA	Radcliffe PRE 50/1	Radcliffe, Radcliffe Bridge	N
A-H	Y	Ripon	Wath	N
A-H	LA	Rochdale 90102040/2711	Milnrow, Rochdale	N
A-H	LA	Rufford Old Hall	Scarisbrick	N
A-H	CH	Runcorn Lib	Runcorn, Weston Point	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
A-H	LA	Salford 78.17.5	Tatham, Green Hill Farm	N
A-H	Y	Scarborough 124.61	Ruston	N
A-H	Y	Scarborough 25.47	Scalby	N
A-H	Y	Scarborough 797.38	Scalby	N
A-H	Y	Scarborough 799.38	near Pickering	N
A-H	Y	Scarborough 802.38	East Ayton	N
A-H	Y	Scarborough 803.38	Scalby	N
A-H	Y	Scarborough 808.38	Hutton Buscel	N
A-H	Y	Sheffield	Kirkbymoorside	N
A-H	Y	Sheffield Z113	Totley	N
A-H	Y	ShM	Kirkbymoorside	N
A-H	Y	ShM J.93.3	Sherburn	Y
A-H	Y	ShM Z113	Totley	N
A-H	LA	Skipton A 50	Pendle Hill	N
A-H	Y	Skipton A33	Cononley	N
A-H	Y	Skipton A41	Settle	N
A-H	Y	Skipton D1670	Cowling	N
A-H	Y	Skipton D956a	Pateley Bridge	N
A-H	LA	St Helens	Eccleston, St Helens	N
A-H	CH	St Helens	Middlewich, River Croco	N
A-H	LA	St Helens	St Helens	N
A-H	PER	Stirling A 236	near Perth	N
A-H	PER	Stirling A 1574	West Lundie Farm	N
A-H	PER	Stirling A 1887	Tibbermuir	N
A-H	PER	Stirling A 2000	Methven	N
A-H	PER	Stirling A 235	Dinnock, Dunning	N
A-H	WIG	Stranraer 1945.01	Culmore	Y
A-H	WIG	Stranraer 1945.1.A	Farm of Culmore	N
A-H	WIG	Stranraer 1951/5	Balgown	N
A-H	WIG	Stranraer 1966/80	Alticry	N
A-H	WIG	Stranraer 1966/81	Alticry	N
A-H	WIG	Stranraer 2002.15	Blairberry	Y
A-H	AYR	unknown	Kirk Michael	N
A-H	ARG	unknown	North Fumerary	N
A-H	ABN	unknown	The Blue Cairn of Ruthven	N
A-H	ARG	unknown	Dumbarton Shore	N
A-H	LAN	unknown	Cliviger Law House	N
A-H	LA	Warrington 114.26	Lowton, Sand Hop Farm	N
A-H	CH	Warrington loan	Brinnington, nr Stockport	N
A-H	LA	Warrington RA 15	Deane, Bolton	N
A-H	WIG	Whithorn A.4.	Barlure, New Luce	N
A-H	WIG	Whithorn A.5.	Clayshant	N
A-H	WIG	Whithorn A.6.	Kidsdale	N
A-H	LA	Wigan 21A 1977	Wigan, Bottling Wood	N
A-H	LA	Wigan 26A 1977	Wigan, Walkden Avenue	N
A-H	Y	Yks Mus 1009.1948	North Burton	N
A-H	Y	Yks Mus 1020.1948	York	N
A-H	Y	Yks Mus 1028.2001	Unknown	N
A-H	Y	Yks Mus 1031.1948	Malton	N
A-H	Y	Yks Mus 1031.2001	Evlinton	N
A-H	Y	Yks Mus 1032.1948	York	N
A-H	Y	Yks Mus 1032.1948	Unknown	N
A-H	Y	Yks Mus 1032.2001	Unknown	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
A-H	LAN	Yks Mus 1033.1948	Lancashire	N
A-H	LAN	Yks Mus 1034.1948	Lancashire	N
A-H	Y	Yks Mus 1034.1948	Unknown	N
A-H	Y	Yks Mus 1035.1948	East Witton	N
A-H	Y	Yks Mus 1036.1948	Hutton Cranswick	Y
A-H	Y	Yks Mus 1037.1948	Strensall	N
A-H	Y	Yks Mus 1037.2001	Cleveland	N
A-H	Y	Yks Mus 1041.1948	Unknown	N
A-H	Y	Yks Mus 1042.1948	Rigg Hall	N
A-H	Y	Yks Mus 1043.1948	East Riding	N
A-H	Y	Yks Mus 1044.1948	West Morton	N
A-H	Y	Yks Mus 1045.1948	North Yorkshire	N
A-H	Y	Yks Mus 1045.2001	Unknown	N
A-H	Y	Yks Mus 1046.1948	North Yorkshire	N
A-H	Y	Yks Mus 1051.1948	Fimber	Y
A-H	Y	Yks Mus 1052.1948	Poppleton	N
A-H	Y	Yks Mus 1053.1948	Wass	N
A-H	Y	Yks Mus 1054.1948	Wass	N
A-H	Y	Yks Mus 1055.1948	Egton Bridge	N
A-H	Y	Yks Mus 1057.1948	Parks, Pickering	N
A-H	Y	Yks Mus 1059.1948	Unknown	N
A-H	Y	Yks Mus 1060.1948	North Yorkshire	N
A-H	Y	Yks Mus 1061.1948	Sleights	N
A-H	Y	Yks Mus 1062.1948	Hackness	N
A-H	Y	Yks Mus 1063.1948	Grosmont	Y
A-H	Y	Yks Mus 1066.1948	Rosedale Abbey	N
A-H	Y	Yks Mus 12.1972	Strensall	N
A-H	Y	Yks Mus 31.1987	Unknown	N
B-A	WIG	NMS EQ 486	Sandmill Farm	Y
B-A	PER	NMS EQ 610	Doune	Y
B-A	MLT	NMS EQ 64	Pentland	Y
B-A	AYR	NMS EQ 65	Chapleton Farm	Y
B-A	FIF	NMS EQ 916	Barns Farm	Y
B-A	SHE	NMS HD 1024	Ness of Gruting	Y
B-A	SHE	NMS HD 1025	Ness of Gruting	Y
B-A	SHE	NMS HD 1026	Ness of Gruting	Y
B-A	ARG	NMS HPO 26	?Poltalloch Estate	N
B-A	SHE	NMS HS 219	Unlocated	N
B-A	ROX	NMS L.1933.2104	Kelso	N
B-A	ROX	NMS L.1933.2106	Ednam	N
B-A	SCOT	NMSAH115	Galloway	N
B-A	LNK	NMSAH162	Glasgow, Fossil Grove	N
B-A	REN	Paisley1967-15	Wheetlands Farm	N
B-A	PBL	Pbls5097	Crookston Farm	N
B-A	PER	Perth	Perth Railway Bridge	N
B-A	PER	Perth2/1954	Glentilt Terrace	N
B-A	PER	Perth2454.79	unknown	N
B-A	LA	PrestonA76	unknown	N
B-A	LA	Rochdale90104040/1361	Oakenrod, Rochdale	N
B-A	SCOT	RoyalScottish1894,340	unknown	N
B-A	Y	Salisbury31.T.36	Yorkshire	N
B-A	Y	Scarborough629.70	Dalton Holme	N
B-A	Y	Scarborough806.38	Cayton	N

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
B-A	Y	Scarborough851.52	Hunmanby	N
B-A	DB	ShM 1979.1089	Stanton Moor	N
B-A	Y	ShM J.1923.38	Blackburn Brook, Sheffield	Y
B-A	Y	ShM J.93.10	nr Scarborough	Y
B-A	DB	ShM J.93.11	Carder Low	N
B-A	Y	ShM J.93.22	2m N of Pickering	N
B-A	DB	ShM J.93.8	Borrowash	N
B-A	Y	ShM J.93.9	11m E of Pickering	Y
B-A	Y	ShMJ9319	Robin Hood's Bay	N
B-A	Y	SkiptonA51	Malham	N
B-A	Y	SkiptonD9566	Pateley Bridge	N
B-A	WIG	Stran1964/4	Culhorn Mains	N
B-A	WIG	Stranraer 2008.24.5	Cairnderry	Y
B-A	WIG	unknown	Bargrennan	N
B-A	EL	unknown	Eweford West	N
B-A	Y	unknown	Flixton/Elf Howe	N
B-A	Y	Wakefield	Wakefield	N
B-A	LA	WarringtonRA 2	Winwick, Warrington	N
B-A	Y	WhitbyD213	Aulthorpe	N
B-A	WIG	WhithornA.1.	Kidsdale	N
B-A	Y	Yks Mus 1002.1948	Wold Newton	N
B-A	Y	Yks Mus 1003.1948	Fordon	N
B-A	Y	Yks Mus 1007.1948	Leven	N
B-A	Y	Yks Mus 1014.1948	Yorkshire	N
B-A	LAN	Yks Mus 1016.1948	Lancashire	N
B-A	Y	Yks Mus 1017.1948	Wold Newton	N
B-A	LAN	Yks Mus 1018.1948	Lancashire	N
B-A	Y	Yks Mus 1022.1948	York	Y
B-A	Y	Yks Mus 1023.1948	Norton-le-Clay	N
B-A	Y	Yks Mus 1024.1948	Fimber	N
B-A	Y	Yks Mus 1029.2001	Unknown	N
B-A	Y	Yks Mus 1030.1948	Buggleby (Duggleby?)	Y
B-A	Y	Yks Mus 1033.2001	Unknown	N
B-A	Y	Yks Mus 1034.2001	Unknown	N
B-A	Y	Yks Mus 1036.2001	Unknown	N
B-A	Y	Yks Mus 1043.2001	Seamer	N
B-A	Y	Yks Mus 1048.1948	Unknown	Y
B-A	Y	Yks Mus 1051.1948	Fimber	N
B-A	Y	Yks Mus 1057.1948	Parks, Pickering	N
B-A	Y	Yks Mus 1060.1948	Unknown	N
B-A	Y	Yks Mus 1065.1948	Unknown	N
B-A	Y	Yks Mus 1070.1948	Yorkshire	N
B-A	Y	Yks Mus 1071.1948	Brompton	N
B-A	Y	Yks Mus 1078.1948	Levisham Common	N
A-H	Y	Yks Mus 4.1957	Gate Helmsley	N
A-H	Y	Yks Mus 8.1972	Milford	N
A-H	Y	Yks Mus 89.1974	High Catton	N
A-H	Y	Yks Mus 90.1974	Wilberfoss	N
B-A	Y	Yks Mus 1082.1948	Unknown	N
B-A	Y	Yks Mus 1087.1948	Unknown	N
B-A	Y	Yks Mus 1089.1948	Unknown	N
B-A	Y	Yks Mus 1090.1948	Cawthorn, Stackyard	Y

<i>Implement</i>	<i>County</i>	<i>Accession</i>	<i>Locality</i>	<i>Analysed</i>
B-A	Y	Yks Mus 1091.1948	Cawthorn	N
B-A	Y	Yks Mus 1951.91	Arkengarthdale	N
B-A	Y	Yks Mus 3731.2000	Unknown	N
B-A	Y	Yks Mus 4824.2000	Ravensworth	Y

Online museum databases and the Implement Petrology Group dataset were used to determine where the implements required for analysis were kept. It was not within the means of the project to analyse all implements from the study area.

Roe (1966) and the Implement Petrology Group data and recent excavation publications were also used to select implements.

TABLE S3: POTENTIAL ACTIONS FOR BATTLE-AXES AND AXE-HAMMERS, THE RELATIONSHIPS INVOLVED AND CREATED AND THEIR SIGNIFICANCE

<i>Action</i>	<i>Relationship</i>	<i>Significance – how it is created</i>
Sharing use of the tool (PR)	<p>Links created between users, areas & materials they are using for manufacture of tool, & between implement & users</p> <p>Inter-community ties created between groups of people using specific tool & between individuals sharing tool</p> <p>Ties created between people who use implement for same purposes</p> <p>Sharing can also strengthen ties between people</p>	<p>Ties between people & communities could be drawn upon for social & political gain, such as access to trade network, claim to land, inter-marriage possibilities; access to materials; & other claims or access through communal sharing</p> <p>The power that these connections create to enact social & political determinations gives objects & significance of actions</p>
Prolonged use (E)	<p>Links created between user or users & implement through its functional use</p> <p>Links created between the user or users & materials & actions used</p> <p>Links created with an area where uses occurred</p>	<p>Ties created between user & area or materials working on with implement could allow claims to land & materials</p> <p>Continued use of an implement would create ties with others who use battle-axes or axe-hammers in same way, which could be drawn upon to gain sharing privileges.</p>
Implement handed down through generations (PR)	Ancestral links maintained	Maintenance of ancestral links could allow for ancestral claims or access to trade & exchange networks to be drawn upon
Movement of people (E)	Use of an implement in different places links users to places they have moved to & from	Links with far-away places, resources & communities in other locations could be drawn upon to allow trade & exchange networks to be created or maintained.
Trade and exchange (E)	<p>Links created between people through movement of objects through exchange networks</p> <p>Ownership & claims to objects expand & change</p>	<p>Construction of identity & sense of self because of relational interpersonal connections created between people & between people & objects</p> <p>Connections between people, & people and objects could later be drawn upon in ceremonial actions to achieve access to resources & claims to exchange networks</p>
The exploitation of stone sources (E)	Stone quarrying creates links between people & location of stone & links between people & skill & knowledge needed to quarry	<p>Procurement of stone haphazard & easy to access resources exploited making skill & knowledge needed less</p> <p>Ease of stone procurement & manufacture gives this process little prestige</p> <p>Found stones could have been carefully chosen for shape & properties, or because they were personally meaningful, which would have given object importance</p>
Land clearance (E)	<p>Land can be used for arable & pastoral farming & to build burial monuments, funeral pyres or domestic structures</p> <p>These create links between & people doing tasks & area or materials & skills needed</p>	<p>Relationships created between people carrying activities together & between people & land</p> <p>Tool becomes ceremonial when used for ceremonial activities which links it to significance of funerary deposit & activities</p> <p>Relationships could be drawn upon to gain access to resources on land worked or access to land & activities occurring there</p>

<i>Action</i>	<i>Relationship</i>	<i>Significance – how it is created</i>
Woodworking (E)	Wood was available to build burial monuments, funeral pyres or domestic structures and for firewood & tool production These create links between people doing tasks & area or materials & skills needed	Relationships created between people carrying out activities together & between people & the land Tool becomes ceremonial when used for ceremonial activities which links it to significance of funerary deposit & activities Relationships could be drawn upon to gain access to resources or access to objects & structures created with the wood
Animal Slaughter (E)	Animals were slaughtered for food or ceremonial purposes These create links between people doing tasks & area or materials & skills needed	Relationships created between people carrying out activities together & between people & land Tool becomes ceremonial when used for ceremonial activities which links it to significance of ceremonial activities Relationships could be drawn upon to gain access to resources, such as domesticated animals. Links with ceremonial activities & people involved could create interpersonal ties, claims to resources & exchange networks
Weapon (PO)	Used in combat by skilled warriors, or by people with no skill needed to defend themselves A relationship created between object, action of hurting or killing another, & person or people involved	Power & strength of communities or individuals created through connection with successful violent interactions Symbol of power & strength drawing upon violence possible through use of other weapons or, for axe-hammers, drawing upon their size to demonstrate strength Power can be used to claim resources, such as through force or intimidation

Key: E: evident; PO: possible; PR: probable

TABLE S4: POSSIBLE INFERENCES ABOUT THE MEANING OF SELECTING AXE-HAMMERS AND BATTLE-AXES FOR FUNERARY DEPOSITION

<i>Meanings</i>	<i>Indications</i>	<i>Likelihood</i>
Highly biographical	Multiple relationships developed through life of objects, including movement, functional use, sharing use & ownership, prolonged use, & links with materials & land	Highly likely, due to the variation in funerary assemblages
Functionality not relevant or not drawn upon	Actions & relationships created through functional use were not important, such as for those battle-axes that were reground before deposition	Less likely since most funerary implements have wear visible, which means for these, signs of use might not have mattered. It is more likely to have mattered for those that were reground or unused.
The wear was not significant, but was used to reference functionality, & relationships created	Specific use not important, but relationships created through functional use between people & people, & materials & land. These were drawn upon	Highly likely, wear visible on most funerary implements. No specific use related to depositional context, but presence of wear suggests it might refer to relationships created through functional use
Function not important, significance of movement of these objects drawn upon	Relationships created through movement of objects through trade, exchange & mobility which created important relationships that aided construction of self (Brück 2006; 2019)	Likely, but not only reason as not all implements moved through circles of gift exchange, trade & mobility due to exploitation of glacial erratics
Importance of relationship between deceased & object drawn upon	Relationship between deceased & object created through life of object & deceased through various actions, including use, movement, sharing, & so on. This was not related to identity or status of deceased, but relationship between deceased & others	Likely, but still biographical & referencing relationships created through itinerary of object which means that relationships with other people also created & therefore also likely to be drawn upon
Importance of relationship between deceased & mourners, through object	Relationship between deceased & other people referenced using object associated with this relationship. Through actions such as functional use, prolonged use, sharing of use or ownership, gift exchange & trade, use of the object on a material or area, & so on.	Highly likely, & biographical. Variation in funerary assemblages suggests this is the case. It is possible that power relationships could be used for specific outcomes such as those discussed in Table S2