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ARCHERY AND WARFARE
IN MEDIEVAL IRELAND

VOLUME II
ANDREW J. HALPIN

Trinity College Library Dublin



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**ARCHERY AND WARFARE
IN MEDIEVAL IRELAND**
A HISTORICAL AND ARCHAEOLOGICAL STUDY

Volume 2 of 2 volumes

ANDREW J. HALPIN M.A.

Thesis submitted in fulfillment of the requirements of the degree of
Doctor of Philosophy

Department of Medieval History, University of Dublin

OCTOBER 1998

A HISTORICAL AND ARCHAEOLOGICAL STUDY
IN MEDICAL IRELAND
ARCHERY AND WARFARE

Volume 2 of 2 volumes



Thesis
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Volume 2

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INVENTORY OF ARCHAEOLOGICAL MATERIAL

Introduction

The following inventory, which forms the basis of this study is divided into three categories:

- A. Bows (including crossbows)
- B. Arrowheads
- C. Projectile heads

APPENDIX

Sequence

Within each category, objects are arranged firstly by alphabetical order of provenance (town and name where available or nearest location) and within this, by registration/identification number. Projectile heads, however, are arranged firstly by type, and within each type by provenance and registration/identification number. Each object is numbered, with a separate numbering sequence used within each category.

Layout

Inventory entries are set out in the following order: On the first line, in bold type, is the inventory number, the provenance, the registration/identification number and reference to any illustrations. On the second line, in italic type, are details of find circumstances (where available) followed, in the case of objects from archaeological excavations, by details of contextual dating. This is followed by the main description of the object; in the case of wooden objects (bows and arrowheads) the wood species is given on a separate line. After this are given the main dimensions of the object, and finally, published references (if any) to the object are listed.

Location of objects

Unless otherwise stated, all objects are held at the Department of Archaeology, University of Liverpool, Leahurst, Neston, Wirral, Merseyside, L69 3GQ. The following abbreviations are used in the inventory:

- 1000 - British Museum, London
- 1001 - Ashmolean Museum, Oxford
- 1002 - Department of Archaeology, University of Liverpool, Leahurst, Neston, Wirral, Merseyside, L69 3GQ
- 1003 - Liverpool Museum, Liverpool

1. Provisional inventory numbers are given in the text, but these are not to be used in any publication. The final inventory numbers are given in the following table.

INVENTORY OF ARCHAEOLOGICAL MATERIAL

Introduction

The following Inventory of the archaeological material which forms the basis of this study is divided into three categories:

- A. Bows (including crossbow nut)
- B. Arrowshafts
- C. Projectile heads

Sequence

Within each category, objects are arranged firstly by alphabetical order of provenance (townland name where available or nearest location) and within this, by registration/identification number. Projectile heads, however, are arranged firstly by type, and within each type by provenance and registration/identification number. Each object is numbered, with a separate numbering sequence used within each category.

Layout

Inventory entries are set out in the following order: On the first line, in bold type, is the Inventory number, the provenance¹, the registration/identification number and reference to any illustrations. On the second line, in italic type, are details of find circumstances (where available) followed, in the case of objects from archaeological excavations, by details of contextual dating. This is followed by the main description of the object; in the case of wooden objects (bows and arrowshafts), the wood species is given on a separate line. After this are given the main dimensions of the object, and finally, published references (if any) to the object are listed.

Location of objects

Unless otherwise stated, all objects are part of the collections of the National Museum of Ireland (although much material from recent archaeological excavations is still in the care of the relevant excavators). Other collections are indicated by the following abbreviations on the first line of the Inventory entry:

BM	British Museum, London ⁴
CPM	Cork Public Museum
EHS	Environment and Heritage Service, Dept. of the Environment (N.I.)
UM	Ulster Museum, Belfast

¹ Provenance is given as the town or townland name, followed by county; where the townland is not known, the nearest known location is given in inverted commas (e.g. "Cloverhill", Co. Monaghan).

A. BOWS

Dimensions

All measurements are in millimetres (unless otherwise stated) and represent original or assumed original dimensions; measurements shown in brackets indicate incomplete dimensions. The following abbreviations are used:

L: Overall length of object.

E: Length of entry (distance from point to widest part of blade).

R: Length of run (distance from widest part of blade to stem or socket).

W: Maximum width of object.

T: Maximum thickness of object (for bows, thickness at point of maximum width).

S: Length of stem.

D: Maximum external diameter of socket.

Wt: Weight (in grammes).

Cir5, Cir10 (etc): Circumference at 5cm, 10cm (etc) from terminal.

MCir: Maximum circumference.

A. BOWS

1 **Ballinderry, Co. Westmeath 1932:7252** Figs 33, 34, 36

Excavations at Ballinderry crannóg no. 1, 1932. Late 10th century.

Bow, almost complete but missing *c.* 50mm from one end; intact terminal in poor condition but was apparently simply tapered, with a single rounded nock, 6mm wide and 5mm deep, on one side 19mm from the end; the bow is beginning to break 10.5mm from the end. No nock survives at the incomplete end. Present curvature of bow is reverse of the original, concave at the back and convex at the belly, although the ends are slightly recurved. Several knots are left standing proud on the back and facets produced by a paring/ shaving tool are visible on the belly. Rough cord-like impressions, winding in spiral form around the back, one side and the belly between 89cm and 92cm from the intact end, may represent traces of a handle binding. Cross-section is roughly D-shaped, with rounded belly and flatter back, becoming more ovoid towards the ends; the sides of the bow have clearly been flattened. A clear sapwood/heartwood distinction is visible, with sapwood on the back.

Yew (*Taxus baccata*).

L: 1850 (*c.* 1900) W: 40 T: 31 Cir5: 39 Cir10: 46 Cir20: 55 Cir30: 81
Cir40: 94 Cir50: 106 Cir60: 108 Cir70: 114 Cir80: 110 Cir90: 111 Cir100:
111 Cir110: 115 Cir120: 115 Cir130: 106 Cir140: 99 Cir150: 97 Cir160:
88 Cir170: 82 Cir180: 60 Cir185: 46

Hencken, 'Ballinderry crannog no. 1', p.139; Fig. 8, D.

2 **Cork, Co. Cork CPM E146:27157** Fig. 35

Excavations at Holy Trinity/Christchurch, 1977. Uncontexted.

Bow fragment. Simple terminal, almost parallel-sided with abrupt flattened, slightly rounded end, which tapers in profile to a wedge shape, with a rough break at the other end; a single nock, probably triangular and up to 11mm deep but now broken, and sloping downwards from back to belly, occurs 55mm from the intact end. Cross-section is roughly D-shaped, but angular rather than curved; the back is slightly concave, while the belly has a prominent central ridge with angled facets on either side (two on the nock side, three on the other); the bow is quite straight in profile; no clear heartwood/ sapwood distinction is visible.

Yew (*Taxus baccata*).

L: 75 W: 25 D: 15 Cir5: 68

R.M. Cleary, M.F. Hurley and E. Shee Twohig (eds), *Skiddy's castle and Christ Church, Cork: Excavations 1974-77 by D.C. Twohig* (Cork, 1997), p.306; Fig. 124:10.

- 3 **Cork, Co. Cork** CPM E146:27212 Fig. 35
Excavations at Holy Trinity/Christchurch, 1977. Late 13th/early 14th century.
 Bow fragment. Simple terminal tapering to a point with a jagged break at the other end; a single nock, probably triangular and 5mm deep but now broken, and sloping downwards from back to belly, is located 65mm from intact end. Cross-section is roughly rectangular, with relatively high, straight sides; in profile the bow tapers slightly toward the intact end, and bends towards the belly above the nock; a possible heartwood/ sapwood distinction is visible, based on differential densities of growth rings, with more tightly spaced rings on the back.
 Yew (*Taxus baccata*).
 L: 88 W: 18 T: 12 Cir5: 55
 Cleary *et al.*, *Skiddy's castle and Christ Church*, p.306; Fig. 124:11.
- 4 **Dublin, Co. Dublin** E43:1008 Fig. 34
Excavations at High St, 1962-63. Late 11th/early 12th century.
 Possible bow fragment. Tapering, double concave terminal with a shattered break at the other end; no nocks are visible, but a definite stop ridge is cut around the back and sides, 68mm from the intact end. Cross-section near the broken end is a high D-shape, almost rectangular due to the high sides; the belly is on single flat plane throughout, whereas the back tapers markedly toward the terminal. No heartwood/ sapwood distinction is visible.
 Probably yew (*Taxus baccata*).
 L: 113 W: 20 T: 17 Cir5: 47 Cir10: 61 MCir: 65
- 5 **Dublin, Co. Dublin** E71:1190 Fig. 35
Excavations at High St, 1967-72. Late 12th/early 13th century.
 Bow fragment. Simple, flat ended terminal of bow with straight break at other end; a single nock, parallel-sided, 6mm wide and 4mm deep and sloping downwards from back to belly, is located 55mm from intact end; bow is gently tapered but narrows abruptly at nock and is almost parallel-sided for 42mm above nock, with a pair of very small triangular indentations, possibly secondary nocks, 9mm from the abrupt, flat end; a single perforation, 3mm in diameter, occurs in centre of bow, 17mm from end. Cross-section is shallow D-shape throughout, tapering toward the intact end, but the back is the convex face, while the belly is flat; the bow bends towards the belly above the nock; a clear heartwood/sapwood distinction is visible, with sapwood on the back.
 Yew (*Taxus baccata*).
 L: 132 W: 29 T: 13 Cir5: 60 Cir10: 75 MCir: 76

- 6 **Dublin, Co. Dublin E81:1903** Fig. 34
Excavations at Winetavern St, 1969-72. Late 11th/early 12th century.
 Bow fragment. Finely carved terminal with a rough break at the other end, curved slightly off-centre; double parallel-sided nocks, 6mm wide and 4mm deep and sloping slightly downwards from back to belly, occur 49mm from the intact end; above this is a waisted, concave-sided section with a tapered end, 28mm long. Cross-section is roughly D-shaped and relatively shallow, with almost flat (slightly convex) back and sloping sides; an apparent heartwood/sapwood distinction is visible with sapwood (c.5mm deep) on the back.
 Probably elm (*Ulmus*)
 L: 105 W: 27 T: 13 Cir5: 64 MCir: 69
- 7 **Dublin, Co. Dublin E122:772** Fig. 34
Excavations at Christchurch Place, 1972-76. Late 11th/early 12th century.
 Bow fragment. Simple tapering terminal with straight break, possibly cut, at the other end; a single triangular nock, 7mm wide and 5mm deep and sloping slightly downwards from back to belly, occurs 73mm from the intact end and a single perforation, 2mm in diameter, occurs in the centre of the bow, 40mm from the intact end. Cross-section is a high D-shape with almost straight sides, tapering toward the intact end; a clear heartwood/sapwood distinction is visible, with sapwood on the back, which is the convex face, while the belly is almost flat.
 Probably yew (*Taxus baccata*).
 L: 107 W: 23 T: 16 Cir5: 55 Cir10: 68 MCir 68:
- 8 **Dublin, Co. Dublin E122:12221** Fig. 34
Excavations at Christchurch Place, 1972-76. 11th/12th century.
 Bow fragment. Simple terminal, almost parallel-sided for the most part but tapering to a point for the final 42mm, with a ragged break at the other end; double triangular nocks, 8mm wide and 4mm deep, occur 95mm from the intact end. Cross-section is sub-hexagonal, with straight, flat sides and convex, almost angled broad faces, and of almost uniform thickness throughout. Back and belly cannot be distinguished.
 Scots pine (*Pinus silvestris*)
 L: 156 W: 22 T: 11 Cir5: 52 Cir10: 58 MCir: 58
- 9 **Dublin, Co. Dublin E132:37515** Fig. 35
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Bow fragment. Simple tapering terminal, ending in a rounded expansion, with a rough break at the other end; double triangular nocks (one damaged), 7mm wide and 4mm deep and sloping slightly downwards from ?back to ?belly, occur 83mm

from the intact end. Cross-section is a shallow D-shape, with a flat ?belly and convex ?back, of roughly uniform thickness throughout; a heartwood/sapwood distinction is visible, with a thin (2mm) layer of sapwood on the flat face (?belly).
Yew (*Taxus baccata*).

L: 204 W: T: Cir5: Cir10: Cir 20:

10 Dublin, Co. Dublin E132:62239 Figs 35, 36

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Complete bow, very short. The bow is straight and evenly tapered from the centre to the short, rounded terminals; one side is slightly damaged at the centre; double triangular nocks, 5-6mm wide and 3-4mm deep and sloping downwards from back to belly, are located 14mm and 16mm, respectively, from the ends; above these are smaller, secondary double nocks, also triangular and sloping from back to belly. Cross-section is a high D-shape, tapering in depth from the centre to the ends; a heartwood/ sapwood distinction is barely visible toward one end, with traces of sapwood on the back.

Yew (*Taxus baccata*).

L: 678 W: 25 T: 20 Cir5: 49 Cir10: 53 Cir 20: 64 Cir 30: 66 Cir 40: 66
Cir 50: 64 Cir 60: 53 Cir 65: 45 MCir: 67

11 Dublin, Co. Dublin E141:4447 Fig. 34

Excavations at Wood Quay, 1974-76. Early 12th century.

Bow fragment. Simple terminal, tapering to a point but very worn, with a ragged break at the other end; double rectangular nocks, 6mm wide and 2mm deep (one damaged), and sloping downwards from back to belly, occur 66mm from the intact end. Cross-section is a relatively shallow D-shape, of uniform thickness throughout, with convex back, flat or slightly concave belly and almost straight sides. No heartwood/sapwood distinction is visible.

Yew (*Taxus baccata*).

L: 81 W: 17 T: 10 Cir5: 40 MCir: 46

12 Waterford, Co. Waterford E343:5258:8 Fig. 35

Excavations at St Peter's church, 1986-87. Early to mid-13th century.

Bow fragment with one intact end, tapered with flat, expanded terminal; single triangular nock occurs 55mm below terminal; bow slightly curved, following string, at end. Section is inverted D-shaped, with slightly convex belly and deeply convex back which joins belly in unbroken curve at one side while other side is cut to a flat edge. A possible heartwood/sapwood distinction, with sapwood on the back, was noted but could not be confirmed.

Yew (*Taxus baccata*).

L: 310 W: 27.2 T: 14.9 Cir5: 59 Cir10: 63 Cir 20: 71

A. Halpin, 'Archery material', in Hurley, Scully and McCutcheon, *Late Viking age and medieval Waterford*, p. 552; Fig. 15:28.7.

13 Waterford, Co. Waterford E343:5367:29 Figs 34, 36

Excavations at St Peter's church, 1986-87. Mid-12th century.

Approximately half of bow with one intact end, with finely carved tongue-shaped terminal; large double triangular nocks occur 65mm below terminal; incised grid of 12 by 6 lines (17x8mm) occurs on belly, immediately below nocks; lower end of bow crudely hacked with knife or blade marks along belly; numerous knots on back, somewhat smoothed; bow very slightly curved, following string, throughout. Section is D-shaped, with slightly convex back and deeply convex belly which joins back in unbroken curve; more angled (gabled) above nocks. A probable heartwood/sapwood distinction, with sapwood on the back, was noted. Yew (*Taxus baccata*).

L: 648 W: 31 T: 21 Cir5: 47.5 Cir10: 56.5 Cir20: 62.5 Cir30: 69 Cir40: 71 Cir50: 77 Cir60: 83

Halpin, 'Archery material', pp. 550-51; Fig. 15:28.2.

14 Waterford, Co. Waterford E343:5368:10 Fig. 34

Excavations at St Peter's church, 1986-87. Mid-12th century.

Bow fragment with one intact end with fan-shaped terminal; double triangular nocks occur 35mm below terminal; possible string marks between nocks; bow slightly curved, following string, at end. Section is shallow, inverted D-shaped, with slightly convex belly and deeply convex back which joins belly in unbroken curve at one side while other side seems to be cut to a flat edge. A probable heartwood/sapwood distinction, with sapwood on the back, was noted.

Yew (*Taxus baccata*).

L: 201 W: 20.1 T: 13.3 Cir5: 43 Cir10: 57 Cir20: 65

Halpin, 'Archery material', p. 552; Fig. 15:28.6.

15 Waterford, Co. Waterford E406:1698:1 Figs 34, 36

Excavations at Peter St/High St/Cook Lane, 1987-88. Mid-12th century.

Approximately half of bow, in poor condition, with one intact end with tapered terminal; double triangular nocks occur 25mm below terminal; other end has been whittled for c.25cm, presumably for use as wattle; series of 13 short, straight cuts occurs on one side between 5cm and 14cm below terminal; bow slightly curved, probably following string, near terminal. Section indeterminate - D-shaped or sub-rectangular with slightly convex faces and flat sides; back and belly not certainly identified but slightly more convex face is probably the belly; sides get

deeper towards centre but back and belly maintain profile; lower end whittled to roughly round section. A probable heartwood/sapwood distinction was noted, but with sapwood on the face taken to be the belly.

Yew (*Taxus baccata*).

L: 714 W: 23.4 T: 16.6 Cir5: 54 Cir10:58 Cir20: 58 Cir30: 64 Cir40:72

Halpin, 'Archery material', p. 551; Fig. 15:28.3.

16 Waterford, Co. Waterford E406:2092:408 Figs 35, 36

Excavations at Peter St/High St/Cook Lane, 1987-88. Early/mid-13th century.

Bow, complete but broken near centre, with short, featureless terminal at one end and longer, slightly expanded terminal at other; single straight-sided nocks occur 72mm and 43mm, respectively, below terminals, set in opposite sides of bow; bow curves slightly, following string, c.20-25cm from each end, and strongly for final 6-8cm. Section D-shaped, with flat back and belly and convex sides; terminals are flat, sub-rectangular; belly decreases in width and sides become deeper and more convex as section thickens towards centre. No heartwood/sapwood distinction was visible.

Yew (*Taxus baccata*).

L: 1258 W: 25 T: 20 Cir5: 44 Cir10: 54 Cir20: 60 Cir30: 69 Cir40: 70

Cir50:74 Cir60: 75

Halpin, 'Archery material', p. 551-52; Fig. 15:28.4.

17 Waterford, Co. Waterford E527:196:49 Fig. 35

Excavations at Arundel Square, 1990. Late 12th/early 13th century.

Bow fragment, in poor condition, with one intact end, tapered with rounded terminal; single, broad straight-sided nock, cut at slant across edge, occurs 48mm below terminal; bow slightly curved, following string, at end. Section sub-rectangular with slightly convex faces and straight edges. A probable heartwood/sapwood distinction, with sapwood on the back, was noted.

Yew (*Taxus baccata*).

L: 224 W: 20.6 T: 12.1 Cir5: 53 Cir10:53 Cir20: 54

Halpin, 'Archery material', p. 552; Fig. 15:28.5.

18 Waterford, Co. Waterford E527:1216:37 Fig. 35

Excavations at Arundel Square, 1990. Early 13th century.

Small fragment of bow, little more than simple fan-shaped terminal, above single straight-sided nock; below nock bow has been cut in deliberate, straight facets. Section inverted D-shaped, with deeply convex back and almost flat belly. No heartwood/sapwood distinction was visible.

Yew (*Taxus baccata*).

L: 74 W: 24 T: 13 Cir5: 61

Halpin, 'Archery material', p. 550; Fig. 15:28.1.

Crossbow nut

19 Waterford, Co. Waterford E434:177:100 Fig. 41

Excavations at Olaf St, 1988. 12th/early 13th century.

Antler disc with a central perforation 5mm in diameter. Two straight-sided grooves are cut along the perimeter almost opposite one another; the longer is 48mm long, 8mm wide and up to 8mm deep but is only roughly carved and may be unfinished, while the shorter is 32mm long, 6.5mm wide and up to 8mm deep. A perforation, 3mm in diameter, runs excentrically through the thickness of the disc between the two grooves. At one end of the shorter, finished perimeter groove a wide, rounded groove, 14.5mm wide and 7mm deep, is cut transversely across the perimeter of the disc.

D: 33.5 T: 23

M.F. Hurley, 'Artefacts of skeletal material', in Hurley, Scully and McCutcheon, *Late Viking age and medieval Waterford*, p.670; Fig. 17:4.32.

B. Arrowshafts

- 1 **Armagh, Co. Armagh** **EHS** Fig. 29
Excavations at Market St, 1975. Uncontexted.
Fragment of crossbow shaft, found complete with arrowhead (no. 831). Shaft 87mm long, exclusive of that part within the socket of the arrowhead; tapers from 13.5mm diameter immediately below the arrowhead to 8mm at the broken end; of round section throughout.
Wood species not identified.
- 2 **Cork, Co. Cork** **CPM E146:30210** Fig. 43
Excavations at Holy Trinity/Christchurch, 1977. 13th/mid-14th century.
Fragment of probable arrowshaft. Shaft 281mm long, roughly straight and parallel-sided; slightly thicker (8mm diameter) toward centre than at either end, but difficult to say whether this represents deliberate barelling; 11mm from one end the shaft abruptly narrows to 5mm diameter, but remains parallel-sided; of round section throughout.
Yew (*Taxus baccata*).
Cleary *et al.*, *Skiddy's castle and Christ Church*, p.286-87; Fig. 113:8.
- 3 **Cork, Co. Cork** **CPM E146:30211** Fig. 43
Excavations at Holy Trinity/Christchurch, 1977. 13th/mid-14th century.
Doubtful fragment of arrowshaft. Shaft 360mm long, roughly straight, though now cracked and bent 9cm from one end, and parallel-sided, varying in diameter from 10-11mm; of round section throughout. Both ends worked; one end cut at an angle from one side to a wedge-shaped point 17mm long, the other end is cut to a short, abrupt, flat-topped faceted finish.
Yew (*Taxus baccata*).
Cleary *et al.*, *Skiddy's castle and Christ Church*, p.286-87; Fig. 113:7.
- 4 **Dublin, Co. Dublin** **E81:5857** Fig. 43
Excavations at Winetavern St, 1969-72. Late 10th/early 11th century.
Fragment of arrowshaft, retaining socket of arrowhead (no. 839); shaft fragment is 215mm long, 8mm in maximum diameter and apparently parallel-sided, although some flattening and distortion has taken place.
Willow (*Salix*).

5 **Dublin, Co. Dublin E141:4373** Fig. 42

Excavations at Fishamble St, 1974-76. 11th century.

Complete arrow, found with arrowhead (no. 85). Shaft now in three pieces and is 53.9cm long (58.5cm including arrowhead); it is apparently barrelled, being rounded and 7mm in diameter near either end, but more oblong in cross-section, 10mm wide and 6mm deep in the middle, but this may be due to flattening and distortion in the middle. The nock end is also flattened, 10mm wide and 3.5mm deep. The shaft is self-nocked, the nock 5mm wide and 6mm deep; between 24mm and 142mm above the nock end are traces of adhesive residue, preserving the impression of a spiral wound binding and three longitudinal impressions, probably of the fletchings. A drawing made shortly after discovery seems to show a separate sleeve, presumably of wood, surrounding the tang of the arrowhead and inserted with it into the arrowshaft, but no trace this survives today.

Scots pine (*Pinus sylvestris*).

6 **Waterford, Co. Waterford E343:5266:32, 57**

Excavations at St Peter's church, 1986-87. Late 12th/early 13th century.

Possible arrowshaft in two roughly straight, round-sectioned fragments. The longer fragment is broken at both ends and is 282mm long and c.9mm in diameter throughout; the shorter fragment is broken at one end, is 102mm long and is also c.9mm in diameter apart from the unbroken end, which tapers gradually over 18mm from 9mm to 4.5mm in diameter. The fragments do not join and are not definitely from the same piece. Each has been shaped by a knife, although a number of knots have been left unsmoothed.

Yew (*Taxus baccata*)

Halpin, 'Archery material', p. 550; Fig. 15:28.8.

7 **Waterford, Co. Waterford E343:5375:19**

Excavations at St Peter's church, 1986-87. Mid-12th century.

Complete arrow found with arrowhead (no. 786). The arrowshaft disintegrated upon excavation, but was noted as 58cm in length, of which 2.5cm was inserted in the socket of the arrowhead; thus the length of the shaft exclusive of the arrowhead was 55.5cm and the entire arrow, inclusive of the arrowhead, was 60.5cm in overall length. The bowstring nock was noted at the base of the shaft. The shaft was rounded in cross-section and was described as tapering from c.9mm in diameter at the top (i.e. nearest the arrowhead) to c.4.5mm at the base; most probably this indicates a flattened nock end.

Wood species not identified, but apparently not yew.

Halpin, 'Archery material', p. 550; Fig. 15:28.9.

C. PROJECTILE HEADS

Type 1

Unless otherwise stated, all projectile heads can be taken to have blades of flattened lozenge/triangular section, straight stems of thick lozenge section, swelling towards the junction with the tang, and straight, tapering tangs of square section.

1 Dublin, Co. Dublin E43:15

Excavations at High St, 1962-63. Uncontexted.

Large projectile head. Shouldered blade, convex-sided, of stepped section near point, becoming flattened oval further down; beneath blade small pointed wings project perpendicular to blade, the tips recurved in opposite directions.

L: 144 E: 38 R: 26 W: 21 T: 2 S: 45 Wt: 18

2 Dublin, Co. Dublin E43:16 Fig. 8

Excavations at High St, 1962-63. Uncontexted.

Large blade, probably shouldered originally but now leaf-shaped, of stepped section, on relatively long stem.

L: 141 E: 54 R: 41 W: 21 T: 3 S: 19 Wt: 20

3 Dublin, Co. Dublin E43:1265

Excavations at High St, 1962-63. 12th century.

Leaf-shaped blade on relatively short stem.

L: 119 E: 37 R: 47 W: 18 T: 1 S: 15 Wt: 13

4 Dublin, Co. Dublin E43:1529 Fig. 7

Excavations at High St, 1962-63. Uncontexted.

Short shouldered blade, straight-sided, missing point; relatively long stem.

L: 86 (84) E: 24 (22) R: 12 W: 12 T: 3 S: 26 Wt: 7

5 Dublin, Co. Dublin E43:1574 Fig. 9

Excavations at High St, 1962-63.

Long leaf-shaped blade, ragged, on short stem; only stump of tang survives.

L: (114) E: 50 R: 38 W: 14 (13) T: 2 S: 19 Wt: 13

6 Dublin, Co. Dublin E43:1929 Fig. 9

Excavations at High St, 1962-63. 12th century.

Corroded, leaf-shaped blade, now in two pieces and very ragged.

L: (121) E: (39) R: 44 W: 18 (16) T: (1) S: 19 Wt: (8)

- 7 **Dublin, Co. Dublin E71:3707**
Excavations at High St, 1967-72. 12th century.
 Corroded and in two pieces. Shouldered blade, convex-sided with straight-sided run; stem almost parallel-sided.
 L: 115 E: 65 R: 9 W: 15 (14) T: 2 S: 22 Wt: 10
- 8 **Dublin, Co. Dublin E71:4903**
Excavations at High St, 1967-72. ?12th/13th century.
 Shouldered blade, straight-sided; stem of rectangular section, almost parallel-sided; tang bent, probably broken.
 L: 99 (95) E: 38 R: 17 W: 15 T: 3 S: 25 Wt: 11
- 9 **Dublin, Co. Dublin E71:8372** Fig. 9
Excavations at High St, 1967-72. 1st half 11th century.
 Leaf-shaped blade with long, convex-sided run; relatively short stem.
 L: 127 E: 32 R: 37 W: 16 T: 3 S: 21 Wt: 15
- 10 **Dublin, Co. Dublin E71:9230** Fig. 9
Excavations at High St, 1967-72. Late 10th/early 11th century.
 Shouldered blade now bent 42mm below point, convex-sided with long, concave-sided run; short stem of rounded/sub-rectangular section; tang relatively long.
 L: 133 E: 32 R: 46 W: 17 T: 2 S: 20 Wt: 15
- 11 **Dublin, Co. Dublin E71:10723** Fig. 9
Excavations at High St, 1967-72. Mid-11th century.
 Leaf-shaped blade of stepped section on relatively short stem; tang broken.
 L: (107) E: 41 R: 34 W: 17 T: 3 S: 23 Wt: 19
- 12 **Dublin, Co. Dublin E71:10776** Fig. 9
Excavations at High St, 1967-72. Mid-11th century.
 Finely forged shouldered blade, convex-sided with concave-sided run; entry of stepped section but run and adjacent parts of entry and stem are beaten flat into elongated lozenge-shaped panels of flattened hexagonal section.
 L: 127 E: 50 R: 32 W: 17 T: 2 S: 18 Wt: 16
- 13 **Dublin, Co. Dublin E71:11106**
Excavations at High St, 1967-72. 11th century.
 Corroded (now conserved). Ragged, probably leaf-shaped blade, convex-sided with straight-sided run; relatively short stem of rounded/sub-rectangular section.
 L: 105 (94) E: 46 (31) R: 20 W: 12 (11) T: 2 S: 23 Wt: 8

14 Dublin, Co. Dublin E71:16684

Excavations at High St, 1967-72. 11th century.

Very corroded. Shouldered blade, convex-sided; tang very short, possibly incomplete.

L: (115) E: 59 R: 10 W: 18 T: (5) S: 34 Wt: 15

15 Dublin, Co. Dublin E71:16920

Excavations at High St, 1967-72. Early/mid-11th century.

Large projectile head, very corroded and obscured by concretion. Probably leaf-shaped blade on long, parallel-sided stem, both of indeterminate section; a smaller leaf-shaped blade, set perpendicularly to the first, occurs roughly midway along stem; base of stem and tang missing.

L: (137) E: 43 (41) R: 24 W: 23 T: (7) S: (73)

16 Dublin, Co. Dublin E71:19514 Fig. 9

Excavations at High St, 1967-72. Late 10th/early 11th century.

Leaf-shaped blade, convex-sided and slightly asymmetrical, on relatively short, parallel-sided stem.

L: 115 E: 36 R: 32 W: 17 T: 3 S: 19 Wt: 13

17 Dublin, Co. Dublin E71:19660

Excavations at High St, 1967-72. Late 10th/early 11th century.

Large projectile head. Shouldered blade, straight-sided with long, slightly concave-sided run, point missing; stem of rectangular section near blade but thickens to rounded/square section at junction with tang.

L: 145 (134) E: 38 (27) R: 43 W: 22 T: 3 S: 36 Wt: 26

18 Dublin, Co. Dublin E81:1199

Excavations at Winetavern St, 1969-72. Uncontexted.

Large projectile head. Elongated leaf-shaped blade, now in two pieces; short stem.

L: 141 E: 47 R: 64 W: 15 T: 3 (5) Wt: 17

19 Dublin, Co. Dublin E81:5697 Fig. 7

Excavations at Winetavern St, 1969-72. 11th century.

Large projectile head. Leaf-shaped blade of stepped section, slightly bent; run and adjacent parts of entry and stem are beaten flat into elongated lozenge-shaped panels of flattened hexagonal section, thickening to thick lozenge section at base of stem.

L: 141 E: 45 R: 28 W: 18 T: 3 S: 43 Wt: 22

20 Dublin, Co. Dublin E81:6266

Excavations at Winetavern St, 1969-72. Late 10th/early 11th century.

Long leaf-shaped blade, now corroded, ragged and bent near base, probably of stepped section; tang very short and probably broken.

L: (137) E: 64 R: 22 W: 19 (18) T: 3 S: 39 Wt: 16

21 Dublin, Co. Dublin E81:6301

Excavations at Winetavern St, 1969-72. Mid-10th century.

Shouldered blade, convex-sided with concave-sided run, probably of flattened hexagonal section; relatively short stem of rectangular section with marked, flat stop; base of tang missing.

L: (105) E: 52 R: 14 W: 19 T: 3 S: 24 Wt: 14

22 Dublin, Co. Dublin E122:108 Fig. 8

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Shouldered blade, convex-sided with concave-sided run.

L: 92 E: 49 R: 4 W: 11 T: 4 S: 20 Wt: 8

23 Dublin, Co. Dublin E122:9305

Excavations at Christchurch Place, 1972-76. 12th century.

Not seen, but Finds Register illustrates shouldered blade, straight-sided with short concave-sided run; tang almost parallel-sided; unclear if stem is present.

L: 65

24 Dublin, Co. Dublin E122:11237

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Very corroded. Short blade, probably leaf-shaped, missing point, on roughly parallel-sided stem of rounded/square section; only stump of tang survives.

L: (73) E: 25 (16) R: 14 W: 18 T: 4 S: 27

25 Dublin, Co. Dublin E122:13189

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Large shouldered blade, convex-sided, with short concave-sided run; point missing; stem almost parallel-sided; traces of wooden shaft adhere to tang.

L: 99 (95) E: 53 (49) R: 10 W: 19 T: 3 S: 12 Wt: 10

26 Dublin, Co. Dublin E122:14273

Excavations at Christchurch Place, 1972-76. Late 11th century.

Very corroded. Probable shouldered blade, straight-sided, on relatively short, almost parallel-sided stem of thick rectangular section.

L: 114 E: 40 R: 33 W: 16 T: 3 S: 20 Wt: 9

27 Dublin, Co. Dublin E122:14907

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Leaf-shaped blade on short, almost parallel-sided stem of rounded/rectangular section; tang very short, probably incomplete.

L: 86 (80) E: 32 R: 24 W: 17 T: 3 S: 16 Wt: 9

28 Dublin, Co. Dublin E122:15296

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Large projectile head. Shouldered blade, convex-sided with concave-sided run.

L: 142 E: 55 R: 13 W: 16 T: 3 S: 29 Wt: 18

29 Dublin, Co. Dublin E122:15858

Excavations at Christchurch Place, 1972-76. 2nd quarter 11th century.

Shouldered blade, straight-sided; short stem of square section with chamfered corners; tang incomplete.

L: 95 (90) E: 44 R: 14 W: 22 T: 3 S: 18 Wt: 12

30 Dublin, Co. Dublin E122:15931 Fig. 8

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Shouldered blade, convex-sided with short run; relatively long, parallel-sided stem of rounded section, becoming flatter towards blade; stem displays pairs of lateral keyed projections at base of blade and 20mm below, and is decorated with a series of narrow, recessed grooves and chevrons; traces of wooden shaft adhere to tang.

L: 115 E: 26 R: 6 W: 14 T: 3 S: 51 Wt: 15

31 Dublin, Co. Dublin E122:16894

Excavations at Christchurch Place, 1972-76. 10th/early 11th century.

Large projectile head. Long leaf-shaped blade of stepped section on a short stem, which tapers from blade to tang; only stump of tang survives

L: (139) E: 59 R: 55 W: 19 T: 3 S: 15 Wt: 23

32 Dublin, Co. Dublin E132:18379

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Long, narrow leaf-shaped blade, convex-sided with short, convex-sided run.

L: 138 E: 79 R: 9 W: 10 T: 5 S: 22 Wt: 14

33 Dublin, Co. Dublin E132: Fig. 7

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Shouldered blade, convex-sided with concave-sided run, of stepped section; long parallel-sided stem of flattened hexagonal section near blade, thickening to lozenge section towards tang.

L: 135 E: 56 R: 7 W: 19 T: 4 S: 58

34 Dublin, Co. Dublin E141:29

Excavations at Fishamble St, 1974-76. Uncontexted.

Leaf-shaped blade, bent, ragged and missing point; only stump of tang survives.

L: (107) E: 39 (30) R: 23 W: 15 (14) T: 2 S: 29 Wt: 9

35 Dublin, Co. Dublin E141:1466 Fig. 8

Excavations at Fishamble St, 1974-76.

Shouldered blade, convex-sided with concave-sided run, of triangular section with the faces beaten up into three raised flanges; relatively short stem and long tang.

L: 130 E: 62 R: 8 W: 15 T: 13 S: 20 Wt: 16

36 Dublin, Co. Dublin E141:2732

Excavations at Fishamble St, 1974-76. Late 10th century.

Very corroded. Leaf-shaped blade of flattened oval section, slightly bent; relatively short, parallel-sided stem of rectangular section near blade, thickening to square section towards tang; tang missing.

L: (100) E: 32 R: 46 W: 13 T: 2 S: 22 Wt: 10

37 Dublin, Co. Dublin E141:4007

Excavations at Fishamble St, 1974-76.

Narrow leaf-shaped blade; stem of lozenge section near blade but becomes rounded towards tang; abrupt, straight junction with tang.

L: 108 E: 19 R: 49 W: 10 T: 3 S: 28 Wt: 9

38 Dublin, Co. Dublin E141:4619 Fig. 8

Excavations at Fishamble St, 1974-76. 11th century.

Leaf-shaped blade with long, straight-sided run of sub-rectangular section; stem indistinguishable from run.

L: 108 E: 27 R: 57 W: 16 T: 3 Wt: 18

39 Dublin, Co. Dublin E148:1002

Excavations at Fishamble St, 1975-76. Uncontexted.

Very corroded, now conserved. Leaf-shaped blade, ragged, probably of stepped section; abrupt junction with relatively short, parallel-sided stem of square/rectangular section

L: 104 E: 44 R: 22 W: 17 T: 3 S: 23 Wt: 12

40 Dublin, Co. Dublin E172:235

Excavations at Fishamble St, 1977-80. 11th century.

Very corroded. Leaf-shaped blade, missing point; abrupt junction with relatively short stem; tang short, possibly incomplete.

L: 108 (97) E: 38 (27) R: 26 W: 18 T: 3 S: 27 Wt: 14

41 Dublin, Co. Dublin E172:845

Excavations at Fishamble St, 1977-80. Mid/late 11th century.

Shouldered blade, almost straight-sided; tang short, possibly incomplete.

L: (85) E: 37 (36) R: 5 W: 14 T: 3 S: 31 Wt: 6

42 Dublin, Co. Dublin E172:1428 Fig. 9

Excavations at Fishamble St, 1977-80. Late 10th century.

Leaf-shaped blade; concave-sided run of flattened hexagonal section, almost indistinguishable from stem, which becomes thick rectangular in section towards tang; traces of wooden shaft adhere to tang.

L: 128 E: 48 R: 21 W: 16 T: 3 S: 37 Wt: 15

43 Dublin, Co. Dublin E172:1838

Excavations at Fishamble St, 1977-80. 11th century.

Shouldered blade, convex-sided with concave-sided run; relatively short stem of rectangular section, thickening toward tang.

L: 111 E: 51 R: 19 W: 18 T: 3 S: 20 Wt: 10

44 Dublin, Co. Dublin E172:2418

Excavations at Fishamble St, 1977-80. 11th century.

Leaf-shaped blade, point missing; relatively short, parallel-sided stem of rectangular section, thickening to square section towards tang.

L: 110 (109) E: 31 (30) R: 32 W: 15 T: 3 S: 24 Wt: 11

- 45 **Dublin, Co. Dublin E172:2475** Fig. 10
Excavations at Fishamble St, 1977-80. 11th century.
 Shouldered blade, straight-sided with short straight-sided run; relatively short stem, parallel-sided.
 L: 76 E: 37 R: 3 W: 13 T: 4 (3) S: 17 Wt: 6
- 46 **Dublin, Co. Dublin E172:3075**
Excavations at Fishamble St, 1977-80. Uncontexted.
 Short, shouldered blade, bent near point; relatively long, concave-sided stem of rectangular section.
 L: 121 E: 29 R: 13 W: 17 T: 2 S: 48 Wt: 13
- 47 **Dublin, Co. Dublin E172:4045** Fig. 10
Excavations at Fishamble St, 1977-80. 11th century.
 Shouldered blade, broken at point, slightly convex-sided with straight-sided run.
 L: 106 (104) E: 51 R: 11 W: 16 T: 4 S: 23 Wt: 11
- 48 **Dublin, Co. Dublin E172:9789** Fig. 10
Excavations at Fishamble St, 1977-80. Late 10th century.
 Leaf-shaped blade of flattened oval section; short, concave-sided stem of rectangular section.
 L: 102 E: 28 R: 41 W: 16 T: 2 S: 16 Wt: 12
- 49 **Dublin, Co. Dublin E172:9815**
Excavations at Fishamble St, 1977-80. Early 11th century.
 Fragment of run of probably leaf-shaped blade, of indeterminate section; straight-sided stem of rounded section with abrupt, straight junction with tang.
 L: (58) R: (17) W: (8) T: (4) S: 24
- 50 **Dublin, Co. Dublin E172:11178**
Excavations at Fishamble St, 1977-80. c.920.
 Narrow leaf-shaped blade; almost parallel-sided stem of square section.
 L: 127 E: 39 R: 41 W: 11 T: 2 S: 22 Wt: 11
- 51 **Dublin, Co. Dublin E172:12669** Fig. 7
Excavations at Fishamble St, 1977-80. Mid-10th century.
 Large, leaf-shaped blade, now ragged, of stepped section with concave faces; run and adjacent parts of entry and stem are beaten flat into elongated lozenge-shaped panels of flattened hexagonal section; parallel-sided stem.
 L: 143 E: 46 R: 45 W: 21 (20) T: 4 S: 30 Wt: 26

- 52 **Dublin, Co. Dublin E172:14028** Fig. 8
Excavations at Fishamble St, 1977-80. 10th century.
 Large, leaf-shaped blade, convex-sided with concave-sided run, of flattened oval section; stem of rounded section.
 L: 152 E: 46 R: 40 W: 23 T: 3 S: 32 Wt: 35
- 53 **Dublin, Co. Dublin E172:16003**
Excavations at Fishamble St, 1977-80. Early 10th century.
 Fragment of run of probably leaf-shaped blade, of indeterminate section; straight-sided stem of rounded section with abrupt, straight junction with tang, which is apparently incomplete.
 L: (58) R: (23) W: (6) T: (3) S: 26
- 54 **Dublin, Co. Dublin E173:571** Fig. 7
Excavations at John's Lane, 1978-79. 11th/12th century.
 Large, leaf-shaped blade, corroded and ragged on one side; tang bent.
 L: 140 E: 47 R: 32 W: 22 T: 4 S: 32 Wt: 26
- 55 **Dublin, Co. Dublin E173:643**
Excavations at John's Lane, 1978-79. 11th/12th century.
 Long, narrow leaf-shaped blade, bent almost at right angle near base and near point; tang possibly incomplete.
 L: (126) E: 52 R: 46 W: 13 T: 3 S: 18 Wt: 14
- 56 **Dublin, Co. Dublin E173:3145** Fig. 10
Excavations at John's Lane, 1978-79. 11th/12th century.
 Large, leaf-shaped blade, ragged sides, of stepped section, bent at two points; relatively long stem.
 L: 164 E: 41 R: 52 W: 18 T: 4 S: 40 Wt: 22
- 57 **Dublin, Co. Dublin E190:1931** Fig. 10
Excavations at Fishamble St, 1980-81. c.1000.
 Leaf-shaped blade; short, parallel-sided stem; tang slightly bent.
 L: 103 E: 30 R: 33 W: 18 T: 3 S: 12 Wt: 15
- 58 **Dublin, Co. Dublin E190:3776** Fig. 10
Excavations at Fishamble St, 1980-81. c.1000.
 Shouldered blade, convex-sided with concave-sided run; point missing; low, flat moulding at junction with relatively short stem; tang broken.
 L: (78) E: 41 (38) R: 12 W: 16 T: 3 S: 14 Wt: 10

- 59 Dublin, Co. Dublin E190:3816**
Excavations at Fishamble St, 1980-81. Mid/late 11th century.
 Shouldered blade, convex-sided with short, straight-sided run; relatively short, parallel-sided stem.
 L: 69 (67) E: 33 (31) R: 3 W: 11 T: 2 S: 11 Wt: 4
- 60 Dublin, Co. Dublin E190:4333**
Excavations at Fishamble St, 1980-81. Early 11th century.
 Shouldered blade, concave-sided with straight-sided, sloping run; lower, convex-sided blade with straight-sided, almost flat run, set perpendicularly to first blade; short stem of rectangular section; short tang, possibly incomplete.
 L: 66 (64) E: 17 R: 7 W: 13 T: 2 S: 12 Wt: 4
- 61 Dublin, Co. Dublin E190:4405**
Excavations at Fishamble St, 1980-81. Early 11th century.
 Large, narrow, leaf-shaped blade; parallel-sided stem; relatively long tang.
 L: 149 E: 50 R: 25 W: 14 T: 3 S: 33 Wt: 18
- 62 Dublin, Co. Dublin E190:5447**
Excavations at Fishamble St, 1980-81. Mid-10th century.
 Very corroded. Leaf-shaped blade, ragged sides, point missing; almost parallel-sided stem; relatively short, thick tang, possibly incomplete.
 L: (90) E: 21 (18) R: 44 W: 16 T: 4 S: 22 Wt: 14
- 63 Dublin, Co. Dublin E190:5490**
Excavations at Fishamble St, 1980-81. Early/mid-10th century.
 Corroded. Leaf-shaped blade, bent near base; almost parallel-sided stem; relatively short, thick tang.
 L: 128 E: 37 R: 47 W: 13 T: 2 S: 30 Wt: 12
- 64 Dublin, Co. Dublin E191:663** Fig. 8
Street cuttings in Werburgh St, 1856.
 Leaf-shaped blade; relatively short, parallel-sided stem of rectangular section.
 L: 81 E: 24 R: 22 W: 14 T: 4
- 65 Dublin, Co. Dublin E476:847** Fig. 10
Excavations at 5-12 High St, 1989. Late 12th century.
 Shouldered blade, convex-sided, with almost flat base; parallel-sided stem of rectangular section.
 L: 114 E: 52 R: 3 W: 17 T: 3

- 66 **Dublin, Co. Dublin Wk.18** Fig. 7
19th century street cuttings at Christchurch/Fishamble St.
 Corroded and fragmentary. Shouldered blade, slightly concave-sided, with relatively long run; tapering, relatively short stem, possibly of rounded section
 L: 98 E: 29 R: 39 W: 20 T: 3
- 67 **Dunbell, Co. Kilkenny RSAI 151**
Found on a ringfort, c. 1852.
 Narrow leaf-shaped blade; relatively short, parallel-sided stem of rounded section.
 L: 100 (98) E: 48 (46) R: 16 W: 10 T: 3 Wt: 10
- 68 **Dunbell, Co. Kilkenny RSAI 151**
Found on a ringfort, c. 1852.
 Leaf-shaped blade; parallel-sided stem; tang possibly incomplete.
 L: 98 E: 31 R: 32 W: 14 T: 3 Wt: 9
- 69 **Kilmainham, Co. Dublin Wk.19;W.34;D377** Fig. 7
Found near Kilmainham in the cutting of the G.S & W. Railway, 1842-48.
 Extremely corroded. Leaf-shaped blade of indeterminate section; relatively long stem of indeterminate section; no definite part of tang remains.
 L: (121) E: 37 R: 37 W: 13 T: 3 (6)
- 70 **Kilmainham, Co. Dublin Wk.20;W.32;D380** Fig. 7
Found near Kilmainham in the cutting of the G.S & W. Railway, 1842-48.
 Corroded. Large leaf-shaped blade, very ragged, of indeterminate section
 L: 146 (141) E: 48 (43) R: 43 W: 18 (16) T: 3
- 71 **Probably Kilmainham, Co. Dublin Wk.24**
Found near Kilmainham in the cutting of the G.S & W. Railway, 1842-48.
 Very corroded. Probable shouldered blade, now ragged and missing point, of indeterminate section; stem almost undifferentiated from blade.
 L: 88 (85) E: 23 (20) R: 41 W: 20 (18) T: 4
- 72 **Kilmainham, Co. Dublin Wk.63;W.38;D378**
Found near Kilmainham in the cutting of the G.S & W. Railway, 1842-48.
 Very corroded. Leaf-shaped blade of flattened oval section; relatively short, parallel-sided stem of rounded section; no part of tang remains.
 L: (114) E: 32 (26) R: 52 W: 20 T: 2

- 73 **Lagore Big, Co. Meath Wk.17;P887** Fig. 7
19th century find at Lagore crannóg.
 Long, narrow leaf-shaped blade; short stem of rounded section.
 L: 160 E: 57 R: 61 W: 11 T: 3 Wt: 16
 Hencken, 'Lagore crannog', p. 112; Fig. 44, E.
- 74 **Tullycommon, Co. Clare E4:388**
Excavations at Cahercommaun stone fort, 1934. ? 9th century.
 Fragmentary, probably leaf-shaped blade, most of which is missing; short stem of squared section; only stump of tang remains.
 L: (64) R: 37 W: (13) T: (2)
 Hencken, *Cahercommaun*, 53; Fig.32:728.
- 75 **Waterford, Co. Waterford E527:1377:16**
Excavations at Arundel Square, 1990. Early/mid-12th century.
 Long shouldered blade, ragged and missing point, probably of thin pointed oval section; long stem.
 L: 175 (169) E: 83 (78) R: 7 W: 18 T: 3
 Halpin, 'Archery material', p. 545; Fig. 15:26.40.
- 76 **Waterford, Co. Waterford E527:1614:36**
Excavations at Arundel Square, 1990. Late 11th/early 12th century.
 Corroded. Shouldered blade, convex-sided, of indeterminate section; relatively long stem of indeterminate section; tang possibly incomplete.
 L: 140 E: 56 R: 4 W: 17 T: 4.5
 Halpin, 'Archery material', p. 545; Fig. 15:26.39.
- 77 **Unprovenanced W.53**
 Corroded. Leaf-shaped blade; relatively short stem of indeterminate section; no part of tang remains.
 L: (92) E: 39 R: 31 W: 16 T: 5
- 78 **Unprovenanced**
 Leaf-shaped blade of flattened oval section; relatively short stem; very short tang.
 L: 129 E: 49 R: 44 W: 16 T: 3 Wt: 18

Type 1 variants

79 Dublin, Co. Dublin E43:828

Excavations at High St, 1962-63. Mid/late 11th century.

Short shouldered blade, convex-sided with straight-sided run, on long tang of rectangular section, widening slightly 20mm below blade and tapering below this.

L: 92 E: 27 R: 16 W: 17 T: 3 Wt: 10

80 Dublin, Co. Dublin E43:2085 Fig. 10

Excavations at High St, 1962-63.

Leaf-shaped blade, sides now ragged, on long tang of rectangular section.

L: 134 E: 61 R: 27 W: 15 (14) T: 2 S: 46 Wt: 9

81 Dublin, Co. Dublin E71:16789

Excavations at High St, 1967-72. Late 11th/early 12th century.

Small shouldered blade, convex-sided with concave-sided run, on long tang.

L: 72 E: 16 R: 14 W: 11 T: 3 Wt: 5

82 Dublin, Co. Dublin E81:6456

Excavations at Winetavern St, 1969-72. 1st half 11th century.

Shouldered blade, convex-sided, with short convex-sided run; relatively long, tapering tang, no real stem.

L: 54 E: 20 R: 5 W: 11 T: 2 Wt: 2

83 Dublin, Co. Dublin E122:11142

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Shouldered blade, straight-sided, with sloping run; second, broader shouldered blade, convex-sided and set perpendicularly to first blade lower down; no stem.

L: 93 E: 30 R: 5 W: 10 T: 1 Wt: 5

84 Dublin, Co. Dublin E122:13037

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Corroded. Shouldered blade, convex-sided, with short convex-sided run; no stem; relatively broad, tapering tang of rectangular section.

L: 81 E: 52 R: 4 W: 17 T: 3 Wt: 7

85 Dublin, Co. Dublin E141:4373

Excavations at Fishamble St, 1974-76. 11th century.

Arrowhead from complete arrow (no. 5). Small leaf-shaped blade; no stem.

L: 54 E: 16 R: 16 W: 12 T: 1 Wt: 2

86 Dublin, Co. Dublin E476:941

Excavations at 5-12 High St, 1989. Late 12th century.

Leaf-shaped blade; no stem; long tang.

L: 119 E: 61 R: 19 W: 18 T: 4

Type 2

Unless otherwise stated, all projectile heads can be taken to have blades of flattened lozenge/triangular section and tapering sockets of rounded section.

87 Ardakillen, Co. Roscommon 1930:82

Found on one of the Ardakillen crannógs.

Corroded. Probably shouldered blade, convex-sided, with low shoulders, now ragged; parallel-sided socket, blocked with what seems to be corroded copper alloy.

L: 88 E: 44 R: 10 W: 20 (18) T: 4 D: 11 Wt: 22

88 Ardakillen, Co. Roscommon Wk.63;W.32;G356

Fig. 12

Found on one of the Ardakillen crannógs

Narrow shouldered blade, convex-sided, with low shoulders, of flattened oval section; socket of solid rectangular section immediately below blade, with possible forging seam visible on one side.

L: 124 E: 66 R: 8 W: 19 T: 3 D: 11 Wt: 19

89 Carnacavill, Co. Down EHS 83/81 Fig. 12

Excavations at Maghera church, 1983. Uncontexted.

Small, leaf-shaped blade with ragged sides, of flattened oval section with an angular midrib.

L: 44 E: 15 R: 13 W: 9 T: 3 D: 9 Wt:

90 "Cloverhill", Co. Monaghan Monaghan County Museum 1977:210

Very corroded. Short, probably leaf-shaped blade, now ragged and missing point, of flattened oval section; only fragment of socket survives.

L: (70) E: 32 (28) R: 8 W: 17 T: 6 D: (8) Wt:

91 Dollymount, Co. Dublin 1944:427 Fig. 12

Leaf-shaped blade, now assymmetric due to uneven sharpening on one side; relatively long socket with forging seam visible on one side, defined by copper

alloy solder; a band of copper alloy solder is also visible around junction of blade and socket.

L: 102 E: 40 R: 10 W: 15 T: 3 D: 13 Wt: 22

92 Dublin, Co. Dublin E43:14 Fig. 12

Excavations at High St, 1962-63. Uncontexted.

Corroded (now conserved). Leaf-shaped blade with ragged sides and convex-sided run; of pointed oval section with a slight thickening at the centre; relatively long, large socket with forging seam visible on one side; base ragged and incomplete.

L: (102) E: 28 R: 10 W: 16 T: 4 D: (14) Wt: 22

93 Dublin, Co. Dublin E43:800

Excavations at High St, 1962-63. Mid/late 11th century.

Shouldered blade, straight-sided; socket displays forging seam on one side.

L: 75 E: 39 R: 11 W: 17 T: 2 D: 7 Wt: 7

94 Dublin, Co. Dublin E43:1485 Fig. 12

Excavations at High St, 1962-63. ?13th century.

Shouldered blade, straight-sided (now ragged); narrow socket with forging seam visible on one side and nail hole 5mm above base, opposite seam; base broken.

L: 84 E: 46 R: 3 W: 13 T: 3 D: 8 Wt: 8

95 Dublin, Co. Dublin E71:2982

Excavations at High St, 1967-72. Late 11th/12th century.

Short, shouldered blade, sides ragged; socket almost parallel-sided, with forging seam visible on one side.

L: 51 (49) E: 20 (18) R: 7 W: 15 T: 2 D: 6 Wt: 5

96 Dublin, Co. Dublin E71:5779

Excavations at High St, 1967-72. 12th century.

Leaf-shaped blade; socket blocked with corrosion and/or traces of wooden shaft.

L: 69 E: 29 R: 15 W: 12 T: 3 D: 8 Wt: 5

97 Dublin, Co. Dublin E71:7362

Excavations at High St, 1967-72. 11th century.

Very corroded, now conserved. Probably shouldered blade with concave-sided run, bent 14mm below point; socket displays forging seam on one side; base ragged and incomplete.

L: (62) E: 34 R: 5 W: 19 T: 2 D: (7) Wt: 6

- 98 Dublin, Co. Dublin E71:7492**
Excavations at High St, 1967-72. 11th century.
 Narrow shouldered blade, straight-sided with concave-sided run, of lozenge section; only stump of socket survives.
 L: (66) E: 49 R: 7 W: 7 T: 4 D: (4) Wt: 7
- 99 Dublin, Co. Dublin E71:7520**
Excavations at High St, 1967-72. Uncontexted.
 Corroded, now conserved but very ragged. Probably shouldered blade, bent near point; socket displays forging seam on one side; base ragged.
 L: 70 E: 34 R: 4 W: 14 T: 2 D: 9 Wt: 6
- 100 Dublin, Co. Dublin E71:8049**
Excavations at High St, 1967-72. 1st half 11th century.
 Very corroded. Shouldered blade, convex-sided with convex-sided run; point bent, probably incomplete; socket almost parallel-sided, blocked with corrosion and/or traces of wooden shaft.
 L: 61 (59) E: 29 (27) R: 9 W: 19 T: (6) D: 9 Wt: 9
- 101 Dublin, Co. Dublin E71:8652**
Excavations at High St, 1967-72. Late 10th/early 11th century.
 Very corroded. Blade probably shouldered but now very ragged; socket open throughout, probably due to corrosion; blocked with traces of wooden shaft.
 L: (67) E: (29) R: 12 W: (11) T: (2) D: 8 Wt: 6
- 102 Dublin, Co. Dublin E71:10709**
Excavations at High St, 1967-72. Late 10th/11th century.
 Very corroded. Outline and section of blade indeterminate; point missing; socket blocked with corrosion and/or traces of wooden shaft.
 L: 45 (41) E: 20 (17) R: 6 W: 14 T: (5) D: 9
- 103 Dublin, Co. Dublin E71:10840**
Excavations at High St, 1967-72. Late 10th/early 11th century.
 Very corroded. Probably shouldered blade, straight-sided with convex-sided run, now ragged and missing point, of indeterminate section; socket blocked with corrosion and/or traces of wooden shaft.
 L: 49 (39) E: 25 (15) R: 5 W: 13 T: (2) D: 8

104 Dublin, Co. Dublin E71:15944

Excavations at High St, 1967-72. Late 12th century.

Shouldered blade, straight-sided with straight-sided run, point missing; only stump of socket survives.

L: (49) E: 31 (29) R: 8 W: 18 T: 3 Wt: (6)

105 Dublin, Co. Dublin E71:16064

Excavations at High St, 1967-72. Late 12th century.

Very corroded. Shouldered blade, apparently convex-sided with straight-sided run, of indeterminate section; socket blocked with corrosion and/or traces of wooden shaft.

L: 55 E: 22 R: 3 W: 15 T: (5) D: 9 Wt: 7

106 Dublin, Co. Dublin E71:16437

Excavations at High St, 1967-72. Late 11th/early 12th century.

Corroded. Narrow leaf-shaped blade, slightly convex-sided with convex-sided run; relatively long socket, blocked with corrosion and/or traces of wooden shaft.

L: 79 E: 30 R: 8 W: 13 T: 3 D: 9 Wt: 6

107 Dublin, Co. Dublin E71:19659

Excavations at High St, 1967-72. Late 10th/early 11th century.

Narrow leaf-shaped blade; socket blocked with corrosion and/or traces of wooden shaft.

L: 95 E: 45 R: 17 W: 13 T: 2 D: 9 Wt: 7

108 Dublin, Co. Dublin E81:1522

Excavations at Winetavern St, 1969-72. 12th/early 13th century.

Very encrusted, apparently shouldered blade, straight-sided with concave-sided run; relatively long socket, blocked with corrosion and/or traces of wooden shaft; nearly half of circumference missing over lower 20mm.

L: 85 E: 30 R: 10 W: 11 T: 4 D: 11 (13) Wt: 10

109 Dublin, Co. Dublin E122:5854 *

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Short, shouldered blade, convex-sided with convex-sided run; relatively long socket with forging seam visible on one side; base ragged and incomplete.

L: (49) E: 17 R: 6 W: 14 T: 2 D: 8 Wt: 4

110 Dublin, Co. Dublin E122:9166

Excavations at Christchurch Place, 1972-76. c.1100.

Leaf-shaped blade; socket blocked with corrosion and/or traces of wooden shaft.

L: 64 E: 24 R: 16 W: 14 T: 3 D: 8 Wt: 7

111 Dublin, Co. Dublin E122:10877

Excavations at Christchurch Place, 1972-76. Late 11th century.

Long, shouldered blade, straight-sided originally but now slightly concave, with concave-sided run; relatively long socket, very encrusted.

L: 123 E: 54 R: 12 W: 14 T: 3 D: 13

112 Dublin, Co. Dublin E122:11042

Excavations at Christchurch Place, 1972-76. Late 11th century.

Shouldered blade, concave-sided with concave-sided run; socket displays forging seam on one side.

L: 102 E: 53 R: 9 W: 15 T: 3 D: 10 Wt: 13

113 Dublin, Co. Dublin E122:14645

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Shouldered blade, straight-sided with convex-sided run; base of socket ragged and incomplete.

L: (92) E: 50 (48) R: 9 W: 11 T: 3 D: (7) Wt: 9

114 Dublin, Co. Dublin E122:16011

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Leaf-shaped blade, convex-sided with convex-sided run, now in two pieces; relatively short socket blocked with corrosion and/or traces of wooden shaft.

L: (65) E: 37 R: 11 W: 12 T: 3 D: (7) Wt: 5

115 Dublin, Co. Dublin E122:16286

Excavations at Christchurch Place, 1972-76. Late 11th century.

Shouldered blade, convex-sided with concave-sided run; socket displays forging seam on one side, open for 3mm above base.

L: 70 E: 39 R: 7 W: 18 T: 3 D: 12 Wt: 11

116 Dublin, Co. Dublin E122:16617

Excavations at Christchurch Place, 1972-76. 1st quarter 11th century.

Very corroded. Shouldered blade, convex-sided with straight-sided run; socket flattened, broken and blocked with corrosion and/or traces of wooden shaft.

L: (72) E: 37 R: 14 W: 17 T: 2 D: (8) Wt: 8

117 Dublin, Co. Dublin E141:2050

Excavations at Fishamble St, 1974-76.

Corroded. Shouldered blade, convex-sided with concave-sided run; section indeterminate; socket blocked with corrosion and/or traces of wooden shaft.

L: 69 E: 26 R: 8 W: 18 T: (6) D: (11)

118 Dublin, Co. Dublin E141:2294

Excavations at Fishamble St, 1974-76. Uncontexted.

Shouldered blade, straight-sided with convex-sided run; point missing; narrow socket with forging seam visible on one side; base incomplete.

L: 65 (62) E: 28 (25) R: 8 W: 13 T: 1 D: 7 Wt: 5

119 Dublin, Co. Dublin E141:5462

Excavations at Fishamble St, 1974-76. Uncontexted.

Leaf-shaped blade; relatively long, narrow socket, blocked with corrosion and/or traces of wooden shaft.

L: 69 E: 19 R: 17 W: 10 T: 2 D: 8 Wt: 5

120 Dublin, Co. Dublin E148:1135

Excavations at Fishamble St, 1975-76. 11th/12th century.

Extremely corroded. Probable leaf-shaped blade; only run and socket survive.

L: (58) R: 30 W: (11) T: 2 D: 9

121 Dublin, Co. Dublin E172:4044

Excavations at Fishamble St, 1977-80. 11th century.

Short, leaf-shaped blade, very ragged, of indeterminate section; relatively long socket, now open for most of its length; base incomplete.

L: (71) E: 16 R: 19 W: 10 (7) T: (4) D: 11 Wt: 12

122 Dublin, Co. Dublin E172:9340 Fig. 12

Excavations at Fishamble St, 1977-80. c.1000.

Shouldered blade, straight-sided with straight-sided run; socket displays forging seam on one side and is open (possibly broken) near base.

L: 82 E: 43 R: 9 W: 13 T: 2 D: 10 Wt: 7

123 Dublin, Co. Dublin E172:9666 Fig. 12

Excavations at Fishamble St, 1977-80. c.1000.

Probable shouldered blade, ragged; relatively long socket, blocked with corrosion and/or traces of wooden shaft, with forging seam visible on one side; base ragged.

L: 84 E: 33 R: 6 W: 14 (11) T: 2 D: 10 Wt: 10

- 124 Dublin, Co. Dublin E172:10004** Fig. 12
Excavations at Fishamble St, 1977-80. Mid/late 11th century.
 Leaf-shaped blade, convex-sided with concave-sided run; socket displays possible forging seam on one side; base slightly broken.
 L: 80 E: 27 R: 18 W: 11 T: 2 D: 8 Wt: 7
- 125 Dublin, Co. Dublin E172:11600**
Excavations at Fishamble St, 1977-80. c.1000.
 Shouldered blade, convex-sided; socket slightly open throughout, with nail hole opposite seam, 8mm above base; base ragged.
 L: (80) E: 29 (27) R: 17 W: 15 T: 2 D: 10 Wt: 11
- 126 Dublin, Co. Dublin E172:12124** Fig. 12
Excavations at Fishamble St, 1977-80. Early 11th century.
 Shouldered blade, convex-sided with concave-sided run; socket slightly open for 15mm above base.
 L: 93 E: 45 R: 12 W: 14 T: 2 D: 8 Wt: 9
- 127 Dublin, Co. Dublin E172:12230** Fig. 12
Excavations at Fishamble St, 1977-80. Late 10th century.
 Long shouldered blade, straight-sided with concave-sided run but now slightly asymmetrical, probably due to resharpening; relatively short socket, blocked with corrosion and/or traces of wooden shaft, with forging seam visible on one side and a nail hole opposite seam near base.
 L: 123 E: 76 (74) R: 10 W: 16 T: 3 D: 8 Wt: 12
- 128 Dublin, Co. Dublin E172:12431**
Excavations at Fishamble St, 1977-80. Late 10th century.
 Probably leaf-shaped blade, now ragged, of flattened oval section; relatively long socket, blocked with corrosion and/or traces of wooden shaft; base ragged.
 L: 70 E: 30 R: 8 W: 13 T: 1 D: 8 Wt: 5
- 129 Dublin, Co. Dublin E190:384** *
Excavations at Fishamble St, 1980-81. Uncontexted.
 Shouldered blade, concave-sided with convex-sided run; socket tapers strongly, with forging seam visible on one side, open for 18mm above base, and possible nail hole opposite seam.
 L: 96 E: 38 R: 13 W: 14 T: 3 D: 11 Wt: 10

130 Dublin, Co. Dublin E190:771

Excavations at Fishamble St, 1980-81. 1st half 11th century.

Leaf-shaped blade with short, abrupt run; socket in two pieces, very corroded and blocked with corrosion and/or traces of wooden shaft.

L: 76 E: 30 R: 13 W: 18 T: 3 D: 10 Wt: 7

131 Dublin, Co. Dublin E190:1901

Excavations at Fishamble St, 1980-81. c.1000.

Leaf-shaped blade of thin rectangular section, rather crude and possibly unfinished; socket displays forging seam on one side, broken for 10mm above base; section more squared than round.

L: 71 E: 16 R: 30 W: 9 T: 3 D: 10 Wt: 9

132 Dublin, Co. Dublin E190:2647

Excavations at Fishamble St, 1980-81. Early 11th century.

Narrow, shouldered blade, straight-sided with straight-sided run; socket displays forging seam on one side; base ragged and incomplete.

L: 78 E: 37 R: 8 W: 11 T: 4 D: 9 Wt: 7

133 Dublin, Co. Dublin E190:2913

Excavations at Fishamble St, 1980-81. Mid-10th century.

Shouldered blade, convex-sided with convex-sided run; socket blocked with corrosion and/or traces of wooden shaft, broken near base; forging seam visible on one side.

L: 78 E: 39 R: 10 W: 15 T: 3 D: 10 Wt: 7

134 Dunamase or Park, Co. Laois 93E150:2958

Excavations at Dunamase castle, 1993-97. Late 13th/first half 14th century.

Very narrow leaf-shaped blade of flattened oval section; socket blocked with corrosion and/or traces of wooden shaft, and partly open along forging seam.

L: 75 (77) E: 27 R: 26 W: 6 T: 2 D: 8 Wt: 3

135 Knowth, Co. Meath E70:K74 Ir5

Excavations at Knowth, Co. Meath, 1962-93. Uncontexted.

Very corroded and ragged. Probable narrow, leaf-shaped blade of flattened oval section; relatively short socket, ragged and incomplete at base.

L: 64 (56) E: 23 (15) R: 25 W: 10 T: 3 D: 7

136 Limerick, Co. Limerick E534:1152

Excavations at King John's Castle, 1990. c.1175-1200.

Very corroded. Probable short, lozenge-shaped blade of thin flattened oval section.

L: 63 E: 26 R: 11 W: 17 T: 4 D: 8.5

137 Unprovenanced Wk.38; P953

19th century find from the River Barrow

Leaf-shaped blade of flattened oval section; long socket, almost parallel-sided although waisted at junction with blade, now ragged and incomplete; traces of forging seam with copper alloy solder, visible on one side; also traces of copper alloy corrosion in inside of socket.

L: (137) E: 43 R: 20 W: 14 T: 4 D: 11 Wt: (30)

138 Unprovenanced

Short, broad leaf-shaped blade, rather ragged; socket ragged at base.

L: 51 E: 18 R: 10 W: 14 T: 4 D: 11 Wt:

Type 3

Unless otherwise stated, all projectile heads can be taken to have triangular blades of flattened lozenge/triangular section, straight stems of rectangular or square section, swelling towards the junction with the tang, and straight, tapering tangs of square section.

139 Dublin, Co. Dublin E43:689 Fig. 14

Excavations at High St, 1962-63. Uncontexted.

Very small blade, convex-sided, with slight basal barbs; of flattened lozenge section; stem almost parallel-sided.

L: 59 E: 12 R: 4 W: 12 (11) T: 2 S: 23 Wt: 4

140 Dublin, Co. Dublin E81:5489

Excavations at Winetavern St, 1969-72. 11th century.

Very corroded. Blade concave-sided, probably of flattened oval section, with short basal barbs (one missing); stem of indeterminate section, concave-sided; tang relatively short.

L: 122 E: 59 R: 2 W: 19 (17) T: 3 S: 32 Wt: 12

141 Dublin, Co. Dublin E122:765

Excavations at Christchurch Place, 1972-76. Late 11th/early 12th century.

Blade concave-sided, with short basal barbs; of flattened oval section; relatively long stem, almost parallel-sided; only stump of tang survives.

L: 79 (69) E: 35 W: 17 T: 3 S: 32 Wt: 7

142 Dublin, Co. Dublin E122:14766

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Blade straight-sided with slight basal barbs, one missing; relatively long stem tapering from blade to stop, but thickening in section at stop.

L: 98 E: 43 W: 20 (15) T: 2 S: 30 Wt: 7

143 Dublin, Co. Dublin E172:2022

Excavations at Fishamble St, 1977-80. Mid-/late 11th century.

Blade straight-sided with slight basal barbs; a second blade, convex-sided and without barbs, occurs below the first and set perpendicularly to it; stem of lozenge section.

L: 105 E: 28 W: 14 (13) T: 2 S: 77 Wt: 10

144 Dublin, Co. Dublin E172:9432 Fig. 14

Excavations at Fishamble St, 1977-80. c.1000.

Blade convex-sided with slight basal barbs, slightly bent at base; stem almost parallel-sided.

L: 99 E: 37 W: 14 T: 3 S: 31 Wt: 8

Subtype 3A

145 Dublin, Co. Dublin E122:9416

Excavations at Christchurch Place, 1972-76. 11th century.

Blade convex-sided, with long basal barbs (one missing), of flattened oval section with a low midrib; relatively long stem which expands evenly to stop.

L: 109 E: 29 R: 14 W: 16 (10) T: 3 S: 38 Wt: 14

146 Dublin, Co. Dublin E122:11710 Fig. 14

Excavations at Christchurch Place, 1972-76. Uncontexted.

Very corroded. Blade straight-sided, with long, narrow basal barbs; stem of indeterminate section, probably parallel-sided; tang retains traces of wooden shaft with smooth rounded exterior, apparently original although only 5mm in diameter.

L: 86 E: 38 W: 18 (17) T: 3 S: 38 Wt: 7

147 Dublin, Co. Dublin E122:13559

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade straight-sided, with long, straight, tapering basal barbs; point and tip of one barb missing; stem of rounded section which expands evenly to stop; tang of rounded section.

L: 91 (86) E: 55 (50) W: 21 (19) T: 3 S: 31 Wt: 8

148 Dublin, Co. Dublin E122:15195

Excavations at Christchurch Place, 1972-76. c.1050.

Corroded, now conserved. Blade straight-sided, with long, straight basal barbs; relatively long stem of rectangular section, almost parallel-sided; tang probably broken.

L: 90 (83) E: 43 (41) W: 20 (19) T: 3 S: 39 Wt: 12

149 Unprovenanced UM Fig. 14

Blade straight-sided, of flattened oval section, with long, straight, widely-splaying barbs, one of which is pointed while the other is almost parallel-sided; no stem.

L: 66 E: 52 R: 1 W: 40 T: 5

Type 4

Unless otherwise stated, all projectile heads can be taken to have triangular blades of flattened lozenge section and tapering sockets of rounded section.

150 Abbeypark, Co. Galway E99:145

Excavations at Clontuskert priory, 1971-72 12th-16th century.

Corroded. Small blade, straight-sided, with slightly sloping run; base missing on one side; relatively long socket, containing traces of wooden shaft; possible forging seam visible.

L: 51 E: 22 R: 1 W: 11 T: 5 D: 10

T. Fanning, 'Excavations at Clontuskert Priory, Co. Galway' *Proceedings of the Royal Irish Academy* 76C (1976), p. 132; Fig. 11:145.

151 Ballinvally West, Co. Sligo 1985:37

Found on a dried-out river bed.

Corroded. Blade straight-sided, bent at point, with very slight, broad barbs at base, one missing; relatively short, almost parallel-sided socket, blocked with corrosion and/or traces of wooden shaft.

L: 61 E: 38 (34) R: 4 W: 22 T: 4 (8) D: 11

- 152 Ballynahinch, Co. Tipperary 1991:106**
Found in vicinity of Ballynahinch castle.
 Blade small, slightly assymetrical, convex-sided, and missing point; relatively long socket, very narrow near blade, and broken at base.
 L: (58) E: 29 (25) W: 14 T: 2 D: (10)
- 153 Ballyroney, Co. Down UM**
Excavations at Ballyroney motte, 1953. 1st half 13th century.
 Corroded. Large blade, now apparently shouldered but probably triangular originally, of flattened oval section; relatively long socket.
 L: 87 E: 46 R: 7 W: 27 T: 4 D: 11
 D.M. Waterman, 'Excavations at Seafin castle and Ballyroney motte and bailey', *Ulster Journal of Archaeology* 18 (1955), p. 100; Fig. 11:4.
- 154 Carnacavill, Co. Down EHS 83/70**
Excavations at Maghera church, 1983. Uncontexted.
 Narrow blade, markedly convex-sided with short, pointed basal barbs; of flattened lozenge/oval section with a prominent midrib on lower part; relatively long socket.
 L: 72 (69) E: 44 (41) R: 4 W: 14 T: 5 D: 9
- 155 Cashel, Co. Tipperary E306:591 Fig. 16**
Excavations at the Vicars Choral dormitory, Rock of Cashel, 1985. 13th century.
 Corroded. Blade convex-sided, with barbs at base of blade and another pair at junction with socket; of flattened lozenge section with prominent angular midrib; socket blocked with corrosion and/or traces of wooden shaft.
 L: 63 E: 38 R: 1 W: 20 (16) T: 5 D: 9 Wt: 6
- 156 Castleskreen, Co. Down UM Fig. 16**
Excavations at Castleskreen motte, 1952-53. Late 12th/13th century.
 Very corroded. Blade originally triangular and straight-sided, but now apparently leaf-shaped; of flattened oval section.
 L: 73 E: 48 R: 2 W: 23 (16) T: 4 D: 10 (13)
- 157 Castletown, Co. Louth Wk.138; 1879:38 Fig. 14**
Found in a 'fort'.
 Very corroded. Large blade, convex-sided, with concave base giving slight barbs, one of which is missing; of flattened oval section;
 L: 90 E: 67 W: 30 (28) T: 3 D: 10

158 Near Cavan, Co. Cavan Wk.71; 1883:386

Found in a rath near Cavan.

Corroded. Small blade, now leaf-shaped but probably triangular originally; of flat section with a pronounced angular midrib; socket incomplete, very narrow and apparently parallel-sided, blocked with corrosion and/or traces of wooden shaft.

L: (41) E: 23 R: 1 W: 14 (10) T: 4 D: (5)

159 Clonmacnoise, Co. Offaly E558:2974i

Excavations in the New Graveyard, 1990-97. Uncontexted.

Small blade, now leaf-shaped but probably triangular originally; of flat section with angular midrib; relatively long, narrow socket, broken at base and blocked with corrosion and/or traces of wooden shaft.

L: (62) E: (25) R: 4 W: 10 (8) T: 5 D: 9 Wt: 5

160 Clonmacnoise, Co. Offaly E558:2984

Excavations in the New Graveyard, 1990-97. Uncontexted.

Small blade, convex-sided, slightly bent at point; of flat section with rounded midrib; relatively short socket, broken at base and blocked with corrosion and/or traces of wooden shaft.

L: 47 (45) E: 24 (22) R: 2 W: 12 T: 4 D: 8 Wt: 4

161 Clontarf, Co. Dublin Wk.3; W.18

Corroded. Narrow blade, straight-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 72 (64) E: 44 (36) W: 12 T: 3 D: 9 Wt: 6

162 Cloonfinlough, Co. Roscommon BM 1881.3-10.32 Fig. 14

Found on a crannóg, probably in 1852

Corroded. Very small blade, convex-sided, with short, sloping run; of flat section with prominent angular midrib, continuing below blade as a raised 'tongue' of diamond section, ending abruptly 9mm below blade; relatively long socket displays a forging seam on one side and a pair of nail holes near fragmentary base.

L: (46) E: 14 R: 2 W: 7 T: 4 D: 7

W.G. Wood-Martin, *The Lake-Dwellings of Ireland* (Dublin, 1886), p.144; Pl. XXXV:4.

163 Clough, Co. Down UM Fig. 16

Excavations at Clough castle, 1951-52. Early 13th century.

Very corroded. Blade very ragged, probably convex-sided originally; of flat section with rounded midrib; socket very narrow, probably missing base.

L: (66) E: 45 W: 18 (13) T: 3 D: 7

Waterman, 'Excavations at Clough castle', p. 141; Fig.13:1.

164 Cork, Co. Cork CPM E146:3000 Fig. 16

Excavations at Holy Trinity/Christchurch, 1977. 13th century.

Broad blade, straight-sided, now missing point; of flat section with rounded midrib; relatively long socket.

L: 64 (56) E: 39 (31) W: 25 T: 3 D: 8

Cleary *et al.*, *Skiddy's castle and Christ Church*, p.170; Fig. 75:36.

165 Cork, Co. Cork CPM E146:25368

Excavations at Holy Trinity/Christchurch, 1977. Mid-13th/14th century.

Very corroded. Blade straight-sided; probably of thin pointed oval section.

L: 73 E: 51 W: 20 T: 3 D: 7

Cleary *et al.*, *Skiddy's castle and Christ Church*, p.170; Fig. 75:33.

166 Cork, Co. Cork CPM E146:25376

Excavations at Holy Trinity/Christchurch, 1977. Mid-13th/14th century.

Corroded fragment of a probable triangular blade, straight-sided with slightly concave base; of pointed oval section; only stump of socket survives.

L: (39) E: 52 (30) W: 27 (21) T: 3 (6) D: 9

Cleary *et al.*, *Skiddy's castle and Christ Church*, p.170; Fig. 75:37.

167 Cork, Co. Cork CPM E146:30001

Excavations at Holy Trinity/Christchurch, 1977. Mid-13th/14th century.

Very corroded. Blade straight-sided, broken at base; of pointed oval section; socket almost parallel-sided, blocked with corrosion and/or traces of wooden shaft.

L: 78 E: 50 W: 26 (23) T: 4 D: 9

Cleary *et al.*, *Skiddy's castle and Christ Church*, p.170; Fig. 75:32.

168 Cork, Co. Cork CPM E146:30002

Excavations at Holy Trinity/Christchurch, 1977. Late 13th/mid-14th century.

Very corroded. Blade rather broad, probably straight-sided, apparently with sloping run, but possibly broken at base; probably of thin pointed oval section; relatively long socket.

L: 65 E: 31 R: 9 W: 23 T: 3 D: 9 (11)

Cleary *et al.*, *Skiddy's castle and Christ Church*, p.170; Fig. 75:34.

169 Cork, Co. Cork CPM E146:300153 Excavations at Holy

Trinity/Christchurch, 1977. Late 13th/mid-14th century.

Very corroded. Blade apparently shouldered, but probably triangular originally; probably of pointed oval section; relatively long socket.

L: 72 E: 42 (36) R: 3 W: 21 (19) T: 4 (6) D: 9 (11)

Cleary *et al.*, *Skiddy's castle and Christ Church*, p.170; Fig. 75:35.

170 Dublin, Co. Dublin E71:822

Excavations at High St, 1967-72. 13th century.

Corroded. Large blade, convex-sided with concave base; of indeterminate section; socket blocked with corrosion and/or traces of wooden shaft.

L: 84 E: 58 W: 26 (25) T: 4 D: 9 Wt: 11

171 Dublin, Co. Dublin E71:1204 Fig. 16

Excavations at High St, 1967-72. Late 12th/early 13th century.

Blade straight-sided with concave base; of flat section with rounded midrib; socket has possible forging seam visible on one side, blocked with corrosion and/or traces of wooden shaft.

L: 75 E: 46 W: 22 T: 3 D: 8 Wt: 6

172 Dublin, Co. Dublin E71:1210

Excavations at High St, 1967-72. Late 12th/early 13th century.

Large blade, convex-sided with broken concave base; of stepped section.

L: 80 E: 58 W: 23 (22) T: 4 D: 8 Wt: 8

173 Dublin, Co. Dublin E71:1592

Excavations at High St, 1967-72. 13th century.

Blade straight-sided with concave base, bent near base; of flattened oval section with rounded midrib; socket missing.

L: 53 E: 53 W: 23 T: 2 Wt: (3)

174 Dublin, Co. Dublin E71:1692

Excavations at High St, 1967-72. 13th century.

Blade convex-sided with concave base; of flattened oval section with rounded midrib; socket largely blocked with corrosion and/or traces of wooden shaft.

L: 75 E: 50 R: 1 W: 18 T: 4 D: 8 Wt: 6

175 Dublin, Co. Dublin E71:2455

Excavations at High St, 1967-72. 13th century.

Large blade, convex-sided with short, pointed basal barbs; of flattened oval section with rounded midrib; socket corroded and bent, blocked with corrosion and/or traces of wooden shaft.

L: 81 E: 57 W: 23 T: 4 (5) D: 10 Wt: 10

176 Dublin, Co. Dublin E71:2530 Fig. 17

Excavations at High St, 1967-72. 12th/13th century.

Large blade, convex-sided with concave base; of flattened oval section with rounded midrib; socket displays forging seam, barely visible on one side; blocked with corrosion and/or traces of wooden shaft.

L: 83 E: 61 W: 26 T: 3 D: 8 Wt: 7

177 Dublin, Co. Dublin E71:2734

Excavations at High St, 1967-72. Late 11th/12th century.

Blade straight-sided with concave base, slightly bent near base; of flattened lozenge section with low, rounded midrib; base of socket ragged.

L: 74 E: 47 W: 21 T: 3 D: 8 Wt: 6

178 Dublin, Co. Dublin E71:3752

Excavations at High St, 1967-72. 12th century.

Blade straight-sided, basal corners missing; socket slightly bent, displays forging seam on one side; base ragged.

L: 77 E: 47 W: 24 (22) T: 2 D: 8 (7) Wt: 9

179 Dublin, Co. Dublin E71:3835

Excavations at High St, 1967-72. 11th century.

Blade straight-sided with straight base; socket displays forging seam on one side.

L: 68 E: 37 W: 15 T: 2 D: 8 Wt: 5

180 Dublin, Co. Dublin E71:3854

Excavations at High St, 1967-72. 13th century.

Blade straight-sided, now ragged, with straight base; socket fragmentary.

L: 39 E: 30 W: 11 T: 2 D: 7 (3) Wt: (2)

181 Dublin, Co. Dublin E71:4037

Excavations at High St, 1967-72. 11th century.

Very corroded, now conserved. Blade very ragged, probably triangular originally but possibly shouldered, missing point; of flattened oval section with probable low, rounded midrib; relatively narrow socket; base ragged and incomplete.

L: 49 E: 42 (27) W: 13 (12) T: 2 D: 7 (5)

182 Dublin, Co. Dublin E71:4818

Excavations at High St, 1967-72. Uncontexted.

Blade convex-sided with sloping convex base; socket displays forging seam on one side; blocked with corrosion and/or traces of wooden shaft, base incomplete.

L: 68 E: 30 R: 6 W: 21 T: 2 D: 10 (9) Wt: 7

183 Dublin, Co. Dublin E71:4895

Excavations at High St, 1967-72. ?12th/13th century.

Blade straight-sided with slightly concave base; of flattened oval section with low rounded midrib; socket displays possible forging seam on one side.

L: 76 E: 44 W: 20 T: 3 D: 8 Wt: 8

184 Dublin, Co. Dublin E71:5812

Excavations at High St, 1967-72. 12th century.

Corroded. Blade convex-sided with sloping, straight base, broken on one side; relatively long socket.

L: 69 E: 31 R: 5 W: 17 (16) T: 5 D: 9 Wt: 8

185 Dublin, Co. Dublin E71:5902

Excavations at High St, 1967-72. 11th/12th century.

Very corroded. Blade probably straight-sided with straight, sloping base; of indeterminate section; relatively long socket.

L: 84 E: 46 R: 3 W: 20 T: 6 D: 8 Wt: 8

186 Dublin, Co. Dublin E71:8722

Excavations at High St, 1967-72. 1st half 11th century.

Small blade, convex-sided with concave base, giving slight basal barbs; of very thin pointed oval section; below blade is unusual swollen, convex-sided "stem" of similar section; socket very ragged.

L: 77 E: 26 W: 13 T: 1 D: 9 Wt: 6

187 Dublin, Co. Dublin E71:11157

Fig. 14

Excavations at High St, 1967-72. Late 10th/early 11th century.

Blade straight-sided with slight basal barbs and sloping, straight-sided base; pair of small, projecting spurs at junction of base and socket; relatively long, narrow socket with forging seam visible on one side; base ragged.

L: 76 E: 37 R: 6 W: 15 T: 2 D: 7 Wt: 6

188 Dublin, Co. Dublin E71:11313

Excavations at High St, 1967-72. Late 10th/early 11th century.

Blade straight-sided, now ragged, with sloping, straight-sided base; pair of small, projecting spurs at junction of base and socket; relatively long socket; blocked with corrosion and/or traces of wooden shaft.

L: 63 E: 23 R: 6 W: 13 T: 2 D: 9 Wt: 5

189 Dublin, Co. Dublin E71:15271

Excavations at High St, 1967-72. 13th century.

Corroded. Blade straight-sided with straight base; of indeterminate section; socket largely blocked with corrosion and/or traces of wooden shaft; base incomplete.

L: 71 E: 44 W: 16 T: 5 D: 8 Wt: 6

190 Dublin, Co. Dublin E71:15360

Excavations at High St, 1967-72. Late 12th century.

Blade straight-sided with convex base, giving slight basal barbs; of flattened lozenge section with rounded midrib; socket blocked with corrosion and/or traces of wooden shaft.

L: 73 E: 47 W: 26 (25) T: 3 D: 9 Wt: 8

191 Dublin, Co. Dublin E71:15491

Fig. 17

Excavations at High St, 1967-72. Late 12th/early 13th century.

Blade bent near point; convex-sided with concave base, giving slight basal barbs, one missing; of flattened lozenge section with low flattened midrib; socket displays forging seam on one side; blocked with corrosion and/or traces of wooden shaft.

L: 72 E: 52 W: 25 (24) T: 2 D: 8 Wt: 6

192 Dublin, Co. Dublin E71:15526

Excavations at High St, 1967-72. 13th century.

Corroded. Blade convex-sided with straight base; socket missing.

L: (51) E: 51 W: 21 T: 3 Wt: (6)

- 193 Dublin, Co. Dublin E71:15741** Fig. 16
Excavations at High St, 1967-72. Late 12th century.
 Blade straight-sided with straight base; socket incomplete at base.
 L: 72 E: 39 W: 16 T: 3 D: 9 Wt: 6
- 194 Dublin, Co. Dublin E71:16005** Fig. 17
Excavations at High St, 1967-72. Late 12th century.
 Blade straight-sided with concave base, giving slight basal barbs; of flattened oval section with rounded midrib; only stump of socket survives.
 L: (63) E: 62 W: 23 T: 3 Wt: 8
- 195 Dublin, Co. Dublin E71:16023**
Excavations at High St, 1967-72. Late 12th century.
 Blade convex-sided with concave base, giving slight basal barbs, now bent; of flattened oval section with low rounded midrib; socket blocked with corrosion and/or traces of wooden shaft; base incomplete.
 L: 71 (70) E: 44 (43) W: 22 T: 2 D: 8 Wt: 4
- 196 Dublin, Co. Dublin E71:16090**
Excavations at High St, 1967-72. Late 12th century.
 Blade straight-sided with straight base, now ragged and missing point; socket corroded and ragged at base.
 L: 57 (55) E: 31 (29) W: 17 T: 3 D: 9 Wt: 6
- 197 Dublin, Co. Dublin E71:16244**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade concave-sided with concave base, giving slight basal barbs; of flattened oval section with low rounded midrib; socket displays forging seam on one side; blocked with corrosion and/or traces of wooden shaft.
 L: 71 E: 48 W: 24 T: 3 D: 8 Wt: 7
- 198 Dublin, Co. Dublin E81:3238**
Excavations at Winetavern St, 1969-72. 13th century.
 Corroded. Blade probably straight-sided with straight base; of indeterminate section; only stump of socket survives.
 L: (49) E: 42 W: 19 (18) T: 3 Wt: (4)

199 Dublin, Co. Dublin E81:4686

Excavations at Winetavern St, 1969-72. Mid/late 11th century.

Corroded, bent near point. Blade convex-sided with sloping, probably concave base; of indeterminate section; only stump of probable socket survives.

L: (54) E: 34 R: 10 W: 22 T: (7) Wt:(6)

200 Dublin, Co. Dublin E81:5011

Excavations at Winetavern St, 1969-72. ?11th century.

Blade fragmentary and ragged, probably triangular with sloping base; relatively long socket, blocked with corrosion and/or traces of wooden shaft.

L: 51 (42) E: 22 (13) R: 4 W: 15 (12) T: 3 D: 8 Wt: (4)

201 Dublin, Co. Dublin E81:9016

Excavations at Winetavern St, 1969-72. Uncontexted.

Corroded. Blade convex-sided with straight base, missing point and bent near tip; relatively long socket, blocked with corrosion and/or traces of wooden shaft.

L: 72 (68) E: 35 (31) R: 2 W: 20 T: 3 (4) D: 9 Wt: 8

202 Dublin, Co. Dublin E81:9127

Excavations at Winetavern St, 1969-72. 12th/13th century.

Corroded. Blade convex-sided with sloping, convex base; of indeterminate section; relatively long socket.

L: 75 E: 36 R: 6 W: 24 T: (5) D: 10 Wt: 13

203 Dublin, Co. Dublin E122:7016

Excavations at Christchurch Place, 1972-76. ?Late 11th/early 12th century.

Blade narrow, convex-sided with convex base; socket blocked with corrosion and/or traces of wooden shaft, ragged and incomplete at base.

L: (83) E: 52 R: 1 W: 14 T: 3 D: 8 (7) Wt: 10

204 Dublin, Co. Dublin E122:7475

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade broad, convex-sided with sloping, concave base, broken on both sides; socket blocked with corrosion and/or traces of wooden shaft.

L: 81 (79) E: 46 (44) W: 30 (25) T: 3 D: 11 Wt: 13

205 Dublin, Co. Dublin E122:9426

Excavations at Christchurch Place, 1972-76. Late 11th century.

Blade convex-sided with sloping, concave base, bent near point; socket displays forging seam on one side; blocked with corrosion and/or traces of wooden shaft.

L: 71 E: 40 R: 6 W: 21 T: 3 D: 9 Wt: 10

206 Dublin, Co. Dublin E122:13493

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade broad, ragged and missing point, probably straight-sided with straight base; socket almost parallel-sided, blocked with corrosion and/or traces of wooden shaft.

L: 73 (67) E: 39 (33) R: 1 W: 26 T: 3 D: 8 Wt: 7

207 Dublin, Co. Dublin E122:14868

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Blade convex-sided with sloping, concave base; socket completely flattened at base, with forging seam visible on one side.

L: 89 E: 48 R: 3 W: 18 T: 2 D: 9 Wt: 10

208 Dublin, Co. Dublin E132:54094

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Corroded. Blade straight-sided with straight base; of flattened oval section with rounded midrib; socket missing.

L: (42) E: (42) W: (17) T: 3 Wt: (3)

209 Dublin, Co. Dublin E132:62694

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Corroded. Blade straight-sided with straight base, point missing; relatively long socket flattens to thin rectangular section at base of blade.

L: 93 (80) E: 53 (40) W: 21 T: 2 D: 9 Wt: 7

210 Dublin, Co. Dublin E132:96058

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade straight-sided with concave base; of flattened oval section; socket corroded, blocked with corrosion and/or traces of wooden shaft.

L: 59 E: 35 W: 17 T: 3 D: 9 Wt: 5

211 Dublin, Co. Dublin E132:97159

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade straight-sided with concave base, giving slight basal barbs; of flattened oval section with low rounded midrib; socket flattened, with forging seam visible on one side.

L: 78 E: 52 W: 23 T: 3 D: 8 Wt: 8

212 Dublin, Co. Dublin E132:108090

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade convex-sided with straight base; of flattened oval section with low rounded midrib; socket blocked with corrosion and/or traces of wooden shaft.

L: 78 E: 54 R: 1 W: 22 T: 4 D: 9 Wt: 7

213 Dublin, Co. Dublin E132:302722

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Corroded. Blade missing point, straight-sided with concave base, giving slight basal barbs, largely missing; of flattened oval section with very low midrib; socket blocked with corrosion and/or traces of wooden shaft.

L: 76 (69) E: 53 (46) W: 26 (23) T: 4 D: 8 Wt: 7

214 Dublin, Co. Dublin E132:

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Small blade, straight-sided with straight base; relatively long socket, blocked with corrosion and/or traces of wooden shaft; base ragged and incomplete.

L: (59) E: 23 W: 13 T: 3 D: 9

215 Dublin, Co. Dublin E132:

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade straight-sided with rounded, convex base; unclear if shape of base is original or due to corrosion/breakage; of flattened lozenge or oval section; relatively long socket, blocked with corrosion and/or traces of wooden shaft.

L: 69 E: 25 R: 6 W: 17 T: (5) D: 10

216 Dublin, Co. Dublin E141:4257

Excavations at Fishamble St, 1974-76. Probably 13th century.

Blade convex-sided with sharply concave base, giving slight basal barbs; of flattened oval section; socket blocked with corrosion and/or traces of wooden shaft.

L: 73 E: 36 R: 5 W: 17 T: 2 D: 8 Wt: 7

217 Dublin, Co. Dublin E172:2538

Excavations at Fishamble St, 1977-80. Mid-11th century.

Blade straight-sided with straight base; only traces of socket survive.

L: (49) E: 47 W: 20 T: 3 (5) Wt: (4)

- 218 Dublin, Co. Dublin E172:11135**
Excavations at Fishamble St, 1977-80. 2nd quarter 10th century.
 Blade convex-sided with convex base; small, squared projections in angle between blade and socket, from which folding of socket begins; long socket with forging seam visible on one side; pair of nail holes near base.
 L: 99 E: 44 R: 1 W: 18 T: 2 D: 13 Wt: 16
- 219 Dublin, Co. Dublin E172:11860** Fig. 14
Excavations at Fishamble St, 1977-80. 2nd half 10th century.
 Blade convex-sided with straight base; slight pointed projections in angle between blade and socket; relatively long socket, blocked with corrosion and/or traces of wooden shaft.
 L: 91 E: 43 R: 3 W: 16 T: 3 D: 11 Wt: 12
- 220 Dublin, Co. Dublin E190:158**
Excavations at Fishamble St, 1980-81. Probably late 11th/12th century.
 Corroded. Blade convex-sided with straight base, missing on one side; of indeterminate section; relatively long socket, almost parallel-sided, blocked with corrosion and/or traces of wooden shaft.
 L: 74 E: 29 R: 2 W: 16 T: (5) D: 9 Wt: 7
- 221 Dublin, Co. Dublin E190:3707**
Excavations at Fishamble St, 1980-81. c.1000.
 Blade straight-sided with convex base; of flattened oval section; relatively long socket with forging seam on one side; blocked with corrosion and/or traces of wooden shaft.
 L: 92 E: 48 R: 3 W: 21 T: 4 D: 11 Wt: 11
- 222 Dublin, Co. Dublin 1899:22** Fig. 17
Said to have been found in main drainage excavations, Dublin, 1897.
 Large blade, convex-sided with slightly concave base, ragged on one side; of flat section with prominent rounded midrib; socket displays forging seam on one side and a very small nail hole near base.*
 L: 87 E: 61 W: 29 (26) T: 3 D: 9 Wt: 10
- 223 Dublin, Co. Dublin Wk.33**
Found in street cuttings, neighbourhood of Christ Church and Fishamble Street.
 Corroded. Blade probably straight-sided, damaged at base; of indeterminate section; socket blocked with corrosion and/or traces of wooden shaft.
 L: 68 E: 43 R: 2 W: 23 (18) T: 4 D: 10

224 Dunamase or Park, Co. Laois 93E150:1604

Excavations at Dunamase castle, 1993-97. After 1350.

Blade almost straight-sided, with concave base giving slight barbs; section obscured by corrosion; relatively short socket, blocked with corrosion and/or traces of wooden shaft.

L: 77 E: 53 W: 19 T: 5 D: 10 Wt: 7

225 Dunamase or Park, Co. Laois 93E150:2252

Excavations at Dunamase castle, 1993-97. Late 13th century.

Small blade, now apparently leaf-shaped but probably triangular originally; straight-sided, missing point and ragged on both sides; of flat section with small rounded midrib; narrow socket, broken at base.

L: 45 (43) E: 20 (18) W: 10 (8) T: 3 D: 8 Wt: 2

226 Dunamase or Park, Co. Laois 93E150:2424

Excavations at Dunamase castle, 1993-97. Late 13th/first half 14th century.

Fragmentary blade, probably triangular, convex-sided, now missing point and ragged on both sides; socket blocked with corrosion and/or traces of wooden shaft, and broken at base.

L: (49) E: (26) W: (14) T: 4 D: (7)

227 Dunamase or Park, Co. Laois 93E150:2589

Excavations at Dunamase castle, 1993-97. After 1350.

Blade convex-sided with slight barbs at base, missing point and ragged on one side; socket blocked with corrosion and/or traces of wooden shaft.

L: 78 (76) E: 50 (48) W: 17 T: 3 D: 8 Wt: 5

228 Dunamase or Park, Co. Laois 93E150:3030

Excavations at Dunamase castle, 1993-97. Late 13th/first half 14th century.

Long, narrow blade, now apparently shouldered but probably triangular originally, straight-sided but ragged at base; of flat section with rounded midrib; narrow socket, partly blocked with corrosion and/or traces of wooden shaft.

L: 80 E: 47 (41) R: 6 W: 15 (13)* T: 3 D: 9 Wt: 6

229 Dunamase or Park, Co. Laois 93E150:3265

Excavations at Dunamase castle, 1993-97. Late 13th/first half 14th century.

Small blade, straight-sided with slightly sloping run, missing point; socket broken and partly blocked with corrosion and/or traces of wooden shaft.

L: 45 (43) E: 21 (19) R: 1 W: 9 T: 3 D: 10 Wt: 3

230 Dunamase or Park, Co. Laois 93E150:3472

Excavations at Dunamase castle, 1993-97. 1185-1210.

Large blade, almost straight-sided with slight barbs at base; of flat section with rounded midrib; socket blocked with corrosion and/or traces of wooden shaft.

L: 76 E: 55 W: 20 T: 3 D: 8 Wt: 6

231 Dunamase or Park, Co. Laois 93E150:3650

Excavations at Dunamase castle, 1993-97. 1185-1210.

Blade slightly convex-sided with slight barbs at base, missing point; probably of flattened oval section with low rounded midrib; socket blocked with corrosion and/or traces of wooden shaft.

L: 73 (58) E: 50 (35) W: 22 T: 5 D: 10

232 Dunamase or Park, Co. Laois 93E150:3851

Excavations at Dunamase castle, 1993-97.

Narrow blade, slightly convex-sided, ragged at base; socket blocked with corrosion and/or traces of wooden shaft, partly broken at base.

L: 70 E: 44 R: 1 W: 15 (13) T: 3 D: 9

233 Dundrum, Co. Dublin E419:361

Excavations at Dundrum castle, 1987-90. c.1250-1350.

Corroded. Small blade, convex-sided, missing point; of flattened oval section; relatively long socket.

L: 56 (51) E: 29 (24) W: 14 T: 4 D: 10

234 Ferns, Co. Wexford E107:774C

Excavations at Ferns castle, 1972-75. Late 13th/early 14th century.

Corroded fragment of broad, probably triangular blade of flat section with prominent rounded midrib; socket missing.

L: (35) E: (35) W: (18) T: (5) D:

Sweetman, 'Archaeological excavations at Ferns castle', p.237; Fig10:1.

235 Greencastle, Co. Down EHS * Fig. 14

Probably 14th/15th century.

Very small blade, almost straight-sided, of lozenge-shaped section, with short, close-set barbs at base; between barbs, line of blade is continued in profile as a raised 'tongue', 10mm long, with milled surface, ending abruptly 3mm below tips of barbs; relatively long socket of hexagonal section (though more rounded at base), blocked with remains of wooden shaft.

L: 59 E: 22 R: 1 W: 6 T: 5 D: 10

236 Kimego West, Co. Kerry E600:4

Excavations at Leacanabuaile stone fort, 1939-40.

Corroded. Small blade, almost straight-sided with slightly sloping run; relatively long socket, most of which is narrow and apparently solid.

L: 58 E: 24 R: 2 W: 16 T: 3 D: 8 Wt: 5

Ó Ríordáin and Foy, 'The excavation of Leacanabuaile stone fort', Fig.1:4.

237 Knockbarron, Co. Offaly 1976:12

Found in disturbed soil at Knockbarron motte-and-bailey, 1976.

Corroded. Narrow blade, ragged but apparently straight-sided with slight basal barbs; of flat section with angular midrib; relatively long socket, solid for most of its length, now rather twisted and missing base.

L: 75 E: 33 W: 10 T: 3 D: 9

238 Knowth, Co. Meath E70:K72 Ir73

Excavations at Knowth, Co. Meath, 1962-93. Uncontexted.

Corroded. Small, straight-sided blade, missing point, with slightly sloping run; of flat section with angular midrib; relatively long socket.

L: 50 (42) E: 23 (16) W: 8 T: 4 D: 9

239 Limerick, Co. Limerick E534:1151

Excavations at King John's Castle, 1990. c.1175-1200.

Small blade, apparently convex-sided with sloping, concave run but now very ragged and missing point; probably of flattened oval section; socket relatively long.

L: 50 (48) E: 18 (16) R: 6 W: 16 T: 4 D: 10

240 Limerick, Co. Limerick E534:1521

Excavations at King John's Castle, 1990. 13th century.

Very corroded. Probable small blade of flattened oval section; relatively long socket.

L: 44 (42) E: 22 (20) W: 12 (11) T: 4 (5) D: 8

241 Limerick, Co. Limerick E534:2571

Excavations at King John's Castle, 1990. 13th century.

Narrow blade, straight-sided with slight basal barbs; of flat section with rounded midrib; relatively long socket.

L: 76 E: 43 R: 3 W: 15 T: 4 D: 10

- 242 Limerick, Co. Limerick E534:3360**
Excavations at King John's Castle, 1990. Uncontexted.
 Very corroded. Large blade, slightly convex-sided, of indeterminate section; socket missing.
 L: 54 E: 54 W: 26 T: 14
- 243 Loughgur, Co. Limerick Wk.2; F692**
Apparently found on a crannog.
 Corroded. Large blade, convex-sided but now rather ragged, with slight basal barbs; of flat section with rounded midrib; socket displays possible forging seam and a small nail hole near base, which is largely missing.
 L: 79 E: 55 W: 27 T: 3 D: 8 Wt: 9
 Wood-Martin, *Lake-Dwellings of Ireland*, p. 63; Pl. IX:15.
- 244 Lurgankeel, Co. Louth E55:183**
Excavations at Lurgankeel motte, 1964. ?Late 12th/early 13th century.
 Very corroded. Large blade, probably convex-sided with pointed basal barbs (one missing); of flat section with rounded midrib; socket very fragmentary.
 L: 84 (78) E: 59 (54) W: 20 (17) T: 4 D: 10
- 245 Lurgankeel, Co. Louth E55:184**
Excavations at Lurgankeel motte, 1964. ?Late 12th/early 13th century.
 Very corroded. Blade convex-sided and slightly assymetrical; of flat section with a central thickening or midrib; socket largely blocked with corrosion and/or traces of wooden shaft.
 L: 58 (52) E: 38 (33) W: 16 T: 4 D: 9
- 246 Newtown, Co. Wexford E352:25**
Excavations at Ferrycarrig ringwork, 1986-87. Late 12th/early 13th century.
 Very corroded and encrusted. Blade straight-sided with slightly sloping run, missing point; of indeterminate section; socket probably incomplete.
 L: (46) E: 38 (28) W: 23 T: 4 D: (8)
- 247 Newtown, Co. Wexford E352:236**
Excavations at Ferrycarrig ringwork, 1986-87. Late 12th/early 13th century.
 Corroded. Large blade, probably straight-sided, now ragged at base; relatively long socket.
 L: 78 E: 44 W: 25 (21) T: 4 D: 10

248 Newtown, Co. Wexford E352:564

Excavations at Ferrycarrig ringwork, 1986-87. Late 12th/early 13th century.

Corroded. Small blade, convex-sided but now rather misshapen; long socket, now in two pieces.

L: 77 E: 25 R: 2 W: 20 T: 3 D: 10

249 Newtown, Co. Wexford E352:751

Excavations at Ferrycarrig ringwork, 1986-87. Late 12th/early 13th century.

Corroded. Large blade, probably convex-sided and very slightly barbed at base; missing point and one barb; of thin pointed oval section with rounded midrib; relatively long socket, almost parallel-sided.

L: 80 (78) E: 51 (49) W: 24 T: 4 D: 10

250 Newtown, Co. Wexford E352:761

Excavations at Ferrycarrig ringwork, 1986-87. Late 12th/early 13th century.

Corroded and encrusted. Large blade, probably straight-sided and possibly slightly barbed at base, bent near point; only stump of socket remains.

L: (45) E: 45 W: 25 (22) T: 4

251 Newtown, Co. Wexford E352:843

Excavations at Ferrycarrig ringwork, 1986-87. Late 12th/early 13th century.

Corroded and encrusted. Large blade, straight-sided, with slightly concave base, of indeterminate section; relatively long socket, largely blocked with corrosion.

L: 78 E: 53 W: 24 T: 4 D: 10

252 Pollardstown, Co. Kildare E98:7

Excavations at Pollardstown ringwork, 1971. Probably 13th/14th century.

Very corroded. Large blade, now apparently concave-sided but probably straight-sided originally, slightly barbed; socket partly blocked with corrosion and/or traces of wooden shaft.

L: 69 E: 45 W: 23 T: 3 D: 10

T. Fanning, 'Excavation of a ringfort at Pollardstown, Co. Kildare', *Journal of the Kildare Archaeological Society* 15 (1971-76), p. 256; Fig.3:2.

253 Rathduff (Madden), Co. Kilkenny E110:2869

Excavations at Kells Augustinian priory, 1972-75.

Very corroded. Blade fragmentary, missing point, but apparently straight-sided with short, broad basal barbs; of flattened oval section with possible central midrib; relatively long socket.

L: 87 (64) E: 43 (22) W: 22 T: 4 D: 10

- 254 Rathduff (Madden), Co. Kilkenny E110:4447**
Excavations at Kells Augustinian priory, 1972-75.
 Very corroded. Small blade, probably slightly convex-sided with slight basal barbs, one side missing; of flat section with rounded midrib; relatively long socket.
 L: 60 (55) E: 29 (25) W: 14 (12) T: 4 D: 10
- 255 Rathduff (Madden), Co. Kilkenny E110:9770**
Excavations at Kells Augustinian priory, 1972-75.
 Corroded. Large blade, convex-sided, with short, pointed barbs at base; of flattened oval section with slight central thickening.
 L: 75 E: 48 R: 6 W: 22 T: 5 D: 10
- 256 Rathduff (Madden), Co. Kilkenny E110:16001**
Excavations at Kells Augustinian priory, 1972-75. Uncontexted.
 Very corroded. Narrow blade, convex-sided, with close-set, pointed barbs at base; of flat section with rounded midrib (angular near point).
 L: 66 (59) E: 33 (26) R: 11 W: 15 T: 5 D: 11
- 257 Roscrea, Co. Tipperary**
Found about 3.5 feet below street surface, with remains of antlers and bones, 1952.
 Corroded. Blade convex-sided with slight, pointed basal barbs, missing point and one barb; of flat section with rounded midrib; socket largely blocked with corrosion and/or remains of wooden shaft.
 L: 68 (60) E: 48 (40) W: 18 T: 4 D: 8 Wt: 6
- 258 Russelswood, Co. Kildare Wk.1; W.20; F375 Fig. 16**
Found about 4 feet deep in bog beside the river Boyne.
 Large blade, convex-sided, with pointed barbs at base; of flattened oval section, but stepped section near base, creating impression of a midrib.
 L: 79 E: 46 R: 11 W: 20 T: 3 D: 9 Wt: 7
- 259 Seafin, Co. Down UM Fig. 16**
Excavations at Seafin castle, 1952. Later 13th century.
 Very corroded and fragmentary. Blade almost entirely missing (Waterman illustrates tip of blade, no longer locatable); socket very narrow; blocked with corrosion and/or remains of wooden shaft.
 L: (26) E: (5) R: 3 W: (5) T: 2 D: 7
 Waterman, 'Seafin castle and Ballyroney motte and bailey', p. 94; Fig.7

- 260 Seafin, Co. Down UM Fig. 16**
Excavations at Seafin castle, 1952. Later 13th century.
 Very corroded. Very small blade, straight-sided with slight basal barbs, missing point; of flat section with rounded midrib; very narrow socket, almost parallel-sided, blocked with corrosion and/or remains of wooden shaft.
 L: 55 (36) E: 32 (16) R: 3 W: 14 T: 4 D: 7
 Waterman, 'Seafin castle and Ballyronev motte and bailey', p. 94; Fig.7
- 261 Seafin, Co. Down UM Fig. 16**
Excavations at Seafin castle, 1952. Later 13th century.
 Very corroded. Blade probably straight-sided with slight basal barbs, missing point; of flat section with rounded midrib; socket blocked with corrosion and/or remains of wooden shaft.
 L: 37 (23) E: 22 (11) R: 1 W: 11 (9) T: 3 D: (5)
 Waterman, 'Seafin castle and Ballyronev motte and bailey', p. 94; Fig.7
- 262 Near Strokestown, Co. Roscommon Wk.12; G339**
19th century find on one of the Strokestown crannógs.
 Corroded. Small, very ragged blade, now apparently leaf-shaped but probably triangular originally; of flat section with rounded midrib; socket displays possible forging seam on one side.
 L: 46 (43) E: 25 (22) W: 11 T: 4 D: 9 Wt: 3
- 263 Trim, Co. Meath E94:1868**
Excavations at Trim castle, 1971-74. Late 12th century.
 Very corroded. Blade convex-sided, with sloping run; probably of pointed oval section; socket almost parallel-sided.
 L: 68 E: 39 R: 5 W: 21 T: 4 (8) D: 9 (11).
 Sweetman, 'Archaeological excavations at Trim castle', p. 177; Fig.23:1.
- 264 Trim, Co. Meath E94:3563**
Excavations at Trim castle, 1971-74. Early/mid-13th century.
 Corroded. Large blade, slightly concave-sided.
 L: 75 E: 49 W: 23 T: 3 D: 10
 Sweetman, 'Archaeological excavations at Trim castle', p. 177; Fig.23:2
- 265 Trim, Co. Meath 95E77:133:8**
Excavations at Trim castle, 1995-97. Uncontexted.
 Narrow blade, slightly convex-sided; tip of blade and one side of base damaged; of flat section with distinct angular midrib.

L: 66 (64) E: 36 (35) W: 15 (14) T: 4 D: 9.

266 Trim, Co. Meath 95E77:133:143 Fig. 16

Excavations at Trim castle, 1995-97. Uncontexted.

Very corroded. Probable triangular blade, convex-sided, with slight basal barbs, one missing; of indeterminate section; socket relatively long.

L: 83 E: 33 R: 2 W: 19 (17) T: 8 D: 14 (17).

267 Trim, Co. Meath 95E77:443:1

Excavations at Trim castle, 1995-97. 1170's/1180's.

Large blade, slightly convex-sided; one side of base missing; probably of flat cross-section with a midrib.

L: 83 E: 53 W: 27 (24) T: 5 D: 9.

268 Trim, Co. Meath 95E77:630:3

Excavations at Trim castle, 1995-97. Later 13th/early 14th century.

Blade convex-sided, damaged at point; of flattened oval cross-section; socket relatively long.

L: 66 (64) E: 33 W: 22 T: 4 D: 10.

269 Trim, Co. Meath 95E77:1155:35

Excavations at Trim castle, 1995-97. 14th/15th century.

Blade convex-sided, point missing; socket missing.

L: (45) E: 47 (45) W: 21 T: 4.

270 Waterford, Co. Waterford E343:5276:12

Excavations at St Peter's church, 1986-87. Early 13th century.

Corroded. Blade rather shapeless but probably narrow triangular originally; probably of thin flattened oval section; socket relatively short.

L: 60 E: 47 W: 17 (13) T: 4 D: 7

Halpin, 'Archery material', p. 542; Fig. 15:26.4.

271 Waterford, Co. Waterford E343:5369:61

Excavations at St Peter's church, 1986-87. Mid-12th century.

Blade almost straight-sided with concave base giving slight barbs; of flat section with low rounded midrib; socket relatively long, ragged at base.

L: 72 E: 45 W: 24 T: 3 D: 8

Halpin, 'Archery material', p. 542; Fig. 15:26.2.

272 Waterford, Co. Waterford E406:1183:2

Excavations at Peter St/High St/Cook Lane, 1987-88. Late 12th century.

Large blade, now shouldered but triangular originally, missing point and corners of base; of flat section with low rounded midrib; socket largely broken.

L: 103 (95) E: 67 (61) W: 30 (26) T: 4 D: 11

Halpin, 'Archery material', p. 542; Fig. 15:26.9.

273 Waterford, Co. Waterford E434:167:1

Excavations at Olaf St, 1988. Early 13th century.

Very corroded. Large blade, probably straight-sided and of flattened oval section; socket apparently parallel-sided, but obscured by corrosion.

L: 83 E: 51 R: 3 W: 28 T: 5 (14) D: 12

Halpin, 'Archery material', p. 542; Fig. 15:26.8.

274 Waterford, Co. Waterford E435:1160:8

Excavations at Bakehouse Lane, 1988. Mid-12th century.

Large blade, straight-sided with slightly concave base, bent near point; of flat section with low rounded midrib; socket relatively long.

L: 84 E: 52 W: 28 T: 3 D: 9

Halpin, 'Archery material', p. 542; Fig. 15:26.3.

275 Waterford, Co. Waterford E435:1160:9

Excavations at Bakehouse Lane, 1988. Mid-12th century.

Large blade, almost straight-sided with slightly concave base; of flat section with low rounded midrib; socket relatively long, broken at base.

L: 79 E: 48 W: 23 T: 3 D: 9

Halpin, 'Archery material', p. 542; Fig. 15:26.1.

276 Waterford, Co. Waterford E520:181:1

Excavations at Bakehouse Lane/Peter St, 1989. 15th century.

Corroded. Blade straight-sided with slightly concave base; probably of flattened oval section; socket relatively long, broken at base.

L: 62 E: 33 W: 17 T: 3 (5) D: 10

Halpin, 'Archery material', p. 542; Fig. 15:26.5.

277 Waterford, Co. Waterford E527:281:14

Excavations at Arundel Square, 1990. Mid/late 12th century.

Blade slightly convex-sided; of flattened oval section; socket relatively long.

L: 72 E: 39 W: 16 T: 4 D: 9

Halpin, 'Archery material', p. 542; Fig. 15:26.7.

278 Waterford, Co. Waterford E527:1375:6

Excavations at Arundel Square, 1990. Late 12th century.

Small blade, straight-sided, one side of base missing; of flattened oval section; socket relatively long, heavily concreted at base.

L: 65 E: 28 R: 2 W: 10 (9) T: 4 D: 9

Halpin, 'Archery material', p. 542; Fig. 15:26.6.

279 Unprovenanced BM 1867.7-20.4

Corroded. Very small blade, convex-sided with sloping run; socket relatively long, base fragmentary.

L: (61) E: 20 R: 4 W: 8 T: 3 D: 8

280 Unprovenanced Wk.5; W.19; D321

Very corroded. Blade straight-sided with slight basal barbs; socket blocked with corrosion and/or remains of wooden shaft.

L: 61 E: 32 R: 2 W: 14 T: 3 D: 8 Wt: 5

281 Unprovenanced Wk.6; W.17

Corroded. Narrow blade, straight-sided with slightly concave base; socket retains traces of wooden shaft.

L: 65 E: 39 W: 13 T: 4 D: 9 Wt: 4

282 Unprovenanced Wk.8; W.16; D323

Fragmentary blade, probably large, convex-sided and slightly barbed at base; most of blade missing; socket displays possible forging seam along one side, partly blocked with corrosion.

L: 81 (53) E: 52 (23) R: 1 W: 22 T: 4 D: 8

283 Unprovenanced Wk.9

Large blade, almost straight-sided with slight basal barbs; of flat section with rounded midrib; socket displays traces of forging seam on one side and a very small nail hole near base.

L: 84 E: 55 R: 2 W: 23 T: 4 D: 8 Wt: 11

284 Unprovenanced Wk.10

Corroded. Large blade, straight-sided, with slightly concave base, missing on one side.

L: 78 E: 54 W: 24 (20) T: 4 D: 8 Wt: 8

285 Unprovenanced Wk.11

Corroded. Blade straight-sided with sloping run; of flattened oval section; relatively long socket, of sub-rectangular section near blade, with a possible forging seam along one side.

L: 76 E: 35 R: 5 W: 20 T: 3 D: 11 Wt: 13

286 Unprovenanced Wk.38 Fig. 14

Very small blade, straight-sided with sloping run; of flat section with thick, angular midrib continuing below blade as a raised 'tongue' of diamond section, ending abruptly 5mm below blade; socket broken at base.

L: 65 (63) E: 25 R: 2 W: 10 T: 6 D: 9 Wt: 5

Probable Type 4 projectile points

287 Dublin, Co. Dublin E71:386

Excavations at High St, 1967-72. Uncontexted.

Very corroded and fragmentary. Blade almost entirely missing; socket incomplete at base, blocked with corrosion and/or traces of wooden shaft.

L: (42) E: (10) W: (14) T: 3 Wt: (3)

288 Dublin, Co. Dublin E71:7742

Excavations at High St, 1967-72. 11th century.

Blade straight-sided with concave-sided run; only stump of socket (or tang) survives.

L: (55) E: 43 R: 4 W: 24 T: 2 Wt: (7)

Subtype 4A

Unless otherwise stated, all projectile heads can be taken to have triangular blades of flattened lozenge section with long basal barbs of triangular section and tapering sockets of rounded section.

289 "Agivey", Co. Derry E92:556

Possibly from a ford in the river Bann.

Very corroded. Blade roughly straight-sided with long (36mm), parallel-sided basal barbs, one broken; most of socket missing; one barb joined to socket at one point, probably due to corrosion.

L: 66 E: 66 W: 36 T: 4 D: (9) Wt: 13

290 Ballyroney, Co. Down UM

Excavations at Ballyroney motte, 1953. 1st half 13th century.

Very corroded and fragmentary. Blade straight-sided and probably of flat section with rounded midrib; reconstructed by Waterman with slight, pointed barbs, but base of blade is clearly separated from the socket, indicating relatively long, straight barbs originally; most of socket missing.

L: (51) E: (40) W: (19) T: 4 (7) D: (9)

Waterman, 'Seafin castle and Ballyroney motte and bailey', p. 100; Fig. 11:5.

291 Bennekerry Co. Carlow 1971:1014

Found in a gravel pit during quarrying.

Blade roughly straight-sided, of flattened oval section, and asymmetrical, with parallel-sided basal barbs, one longer (16mm) and wider than the other (11mm long); socket blocked with corrosion and/or traces of wooden shaft.

L: 77 E: 55 W: (28) T: 4 D: 10 Wt: 16

292 Carrickfergus, Co. Antrim UM CF1-580 Fig. 17

Excavations at Market Place, 1972-79. Probably 15th/16th century.

Corroded. Blade straight-sided, of flat section with rounded midrib, with long (9mm), roughly parallel-sided barbs, one broken; socket blocked with corrosion and/or traces of wooden shaft; a large hole near the base may be a nail hole.

L: 52 E: 41 W: 25 (23) T: 7 D: 11

293 Carrickfergus, Co. Antrim UM CF1-653A Fig. 17

Excavations at Market Place, 1972-79. Probably 15th/16th century.

Very corroded. Blade originally straight-sided, now ragged, of flat section with low rounded midrib, and with long (9mm), parallel-sided barbs; socket almost parallel-sided, blocked with corrosion and/or traces of wooden shaft.

L: 53 E: 40 W: 20 T: 5 D: 9

294 Downpatrick, Co. Down EHS 87/1031 Fig. 17

Excavations at Cathedral Hill, 1986. Uncontexted.

Blade roughly straight-sided, missing point, with long (9mm), broad, parallel-sided basal barbs; relatively long socket, broken at base, with traces of copper alloy plating internally and externally.

L: 83 (71) E: 52 (39) W: 28 T: 5 D: 11

295 Dublin, Co. Dublin E71:1752

Excavations at High St, 1967-72. Uncontexted.

Corroded blade of indeterminate section with long (at least 19mm), parallel-sided basal barbs of triangular section (one broken); socket missing.

L: (63) E: 63 W: 26 (23) T: 4 (5) Wt: (6)

296 Dublin, Co. Dublin E71:2273

Excavations at High St, 1967-72. Late 12th/early 13th century.

Corroded. Blade straight-sided, of indeterminate section with long (22mm), parallel-sided basal barbs, probably of triangular section (one missing); socket blocked with corrosion and/or traces of wooden shaft.

L: 65 E: 58 W: 34 (22) T: 4 D: 10 Wt: 9

297 Dublin, Co. Dublin E71:9910

Excavations at High St, 1967-72. Early 11th century.

Blade convex-sided, of thin pointed oval section with long (15mm), almost parallel-sided basal barbs of triangular section; socket tapers strongly, largely broken on one side, base incomplete.

L: (56) E: 35 W: 18 (16) T: 1 D: 10 Wt: 5

298 Dublin, Co. Dublin E71:16297 Fig. 17

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade straight-sided (slightly concave on one side), of flattened lozenge section, with long (up to 29mm), tapering basal barbs of triangular section; socket displays forging seam on one side.

L: 69 E: 68 W: 33 T: 2 D: 9 Wt: 9

299 Dublin, Co. Dublin E296:47556 Fig. 17

Excavations at Dublin Castle, 1984-86. 13th/14th century.

Blade convex-sided, of flat section with rounded midrib, with long (10mm), broad, parallel-sided basal barbs, one broken; socket missing.

L: (44) E: 44 W: 33 (30) T: 2

300 Dublin, Co. Dublin E296:47558 Fig. 17

Excavations at Dublin Castle, 1984-86. 13th/14th century.

Large blade, straight-sided but ragged, of flat section with rounded midrib, with long (22mm), broad basal barbs, one missing; socket missing.

L: (67) E: 67 W: 57 (49) T: 3

- 301 Near Strokestown, Co. Roscommon Wk.121**
19th century find on one of the Strokestown crannógs.
 Corroded. Blade straight-sided, with long (25mm), parallel-sided basal barbs, one missing; socket largely broken.
 L: (70) E: 66 W: 30 (20) T: 6 D: 11 (9)
- 302 Trim, Co. Meath 95E77:207:23**
Excavations at Trim castle, 1995-97. Late 13th/early 14th century.
 Corroded. Blade convex-sided, of flattened oval cross-section, with long (11mm but originally longer), broad, parallel-sided barbs; most of socket missing.
 L: 48 E: 39 W: 30 T: 5.
- 303 Waterford, Co. Waterford E435:1113:17**
Excavations at Bakehouse Lane, 1988. Mid/late 12th century.
 Blade straight-sided, of flattened oval section, with long (11mm), roughly parallel-sided basal barbs, one missing; socket of rounded section but rather flattened.
 L: 66 E: 48 W: 21 T: 4 D: 9 Wt: 8
 Halpin, 'Archery material', p. 542; Fig. 15:26.11
- 304 Waterford, Co. Waterford E435:1163:24**
Excavations at Bakehouse Lane, 1988. Mid-12th century.
 Blade straight-sided, slightly bent near point, of flattened oval section, with long (20mm), pointed basal barbs.
 L: 69 E: 57 W: 28 T: 3 D: 8 Wt: 9
 Halpin, 'Archery material', p. 542; Fig. 15:26.10
- 305 Waterstown, Co. Westmeath 1934:488 Fig. 17**
Found at Waterstown Lough, probably at possible crannóg site marked as "Old Castle".
 Corroded. Large blade, convex-sided, of flat section with angular midrib, with long (66mm), pointed basal barbs.
 L: 114 E: 114 W: 68 T: 8 D: 11* Wt: 30
- 306 Unprovenanced Wk.15**
 Corroded. Narrow blade, slightly convex-sided, of flat section with small rounded midrib, with long (21mm), parallel-sided basal barbs, one broken; socket narrow, broken at base.
 L: (78) E: 70 W: 20 (18) T: 3 D: 7 Wt: 8

307 Unprovenanced Wk.488; D.318

Corroded. Narrow blade, straight-sided, of flat section with angular midrib, with relatively short (8mm), parallel-sided basal barbs, one missing; socket partly blocked with corrosion and/or traces of wooden shaft.

L: 70 E: 43 W: 15 (11) T: 4 D: 8 Wt: 6

Subtype 4B

Unless otherwise stated, all projectile heads can be taken to have triangular blades of lozenge-shaped section with basal barbs of triangular section and tapering sockets of rounded section.

308 Carrickfergus, Co. Antrim UM CFVI 77A Fig. 20

Excavations at Irish Quarter, 1972-79. Late 13th/early 14th century.

Very corroded. Short blade, straight-sided, of pointed oval section, with relatively short (6mm), parallel-sided barbs set apart from socket, one missing; relatively long socket, almost parallel-sided; much of base missing, exposing remains of wooden shaft, and one small nail hole.

L: 40 E: 25 W: 17 (13) T: 6 D: 9

309 Downpatrick, Co. Down EHS 86/633

Late 15th/16th century.

Blade convex-sided, of flat section with a low rounded midrib, with long (22mm), close-set, almost parallel-sided barbs.

L: 52 E: 38 R: 14 W: 17 T: 6 D: 10

310 Killeel Upper, Co. Kildare Kildare Co. Council

Excavations at Killeel church, 1977-78. Uncontexted.

Corroded. Blade convex-sided, of flat section with a low rounded midrib, with pointed basal barbs, one longer than the other, set close to socket; socket blocked with corrosion and/or remains of wooden shaft.

L: 58 E: 45 R: 1 W: 18 T: 5 (7) D: 13

C. Manning, 'Excavations at Killeel church, Co. Kildare', *Journal of the Kildare Archaeological Society* 16, p. 201; Fig. 10:209.

311 Trim, Co. Meath 95E77:510:1 Fig. 20

Excavations at Trim castle, 1995-97. 14th century.

Short, convex-sided blade with long (11mm), narrow, parallel-sided barbs set slightly apart from the socket, one missing.

L: 41 E: 36 W: 19 (17) T: 8 D: 10 Wt: 7

- 312 Trim, Co. Meath 95E77:650:3** Fig. 20
Excavations at Trim castle, 1995-97. Uncontexted.
 Short, convex-sided blade with long (20mm) pointed barbs along socket, one missing.
 L: 41 E: 21 R: 2 W: 15 T: 6 D: 10 Wt: 9
- 313 Trim, Co. Meath 95E77:1252:72**
Excavations at Trim castle, 1995-97. Possibly 15th century.
 Short, straight-sided blade with long (21mm), parallel-sided barbs along socket.
 L: 48 E: 20 E: 6 W: 19 T: 11 D: 11 Wt: 11
- 314 Trim, Co. Meath E94:2046** Fig. 20
Excavations at Trim castle, 1971-74. Early/mid-14th century.
 Bullet-shaped blade, convex-sided, with long (19mm) pointed barbs running along socket and touching it for most of their length; socket almost undifferentiated from blade.
 L: 41 E: 36 W: 10 T: 3 D: 10
 Sweetman, 'Archaeological excavations at Trim castle', p. 177; Fig.23:3.
- 315 Trim, Co. Meath E94:2117**
Excavations at Trim castle, 1971-74. Early/mid-14th century.
 Corroded. Blade probably straight-sided, now rather ragged, with long (13mm) parallel-sided barbs set close to socket, one broken.
 L: 43 E: 36 W: 16 T: 6 D: 12
 Sweetman, 'Archaeological excavations at Trim castle', p. 177.
- 316 Trim, Co. Meath E94:2120**
Excavations at Trim castle, 1971-74. Early/mid-14th century.
 Corroded. Blade straight-sided, now rather assymetrical, with long (9mm) parallel-sided barbs set close to socket, one missing; socket displays possible forging seam on one side.
 L: 46 E: 32 W: 16 (14) T: 6 D: 11
 Sweetman, 'Archaeological excavations at Trim castle', p. 177.
- 317 Trim, Co. Meath E94:2121** Fig. 20
Excavations at Trim castle, 1971-74. Early/mid-14th century.
 Bullet-shaped blade, convex-sided, with long (14mm) pointed barbs set close to socket; socket mostly missing; what remains is of lozenge section.
 L: 41 E: 35 W: 14 T: 7 D: 12 (14)
 Sweetman, 'Archaeological excavations at Trim castle', p. 177.

318 Trim, Co. Meath E94:5203

Excavations at Trim castle, 1971-74. 14th/15th century.

Corroded and fragmentary. Blade straight-sided, probably of flattened oval section, with stumps of narrow, parallel-sided barbs, probably set slightly apart from socket; socket mostly missing.

L: (31) E: (30) W: 14 T: 4 D: (8)

Sweetman, 'Archaeological excavations at Trim castle', p. 177.

319 Trim, Co. Meath E94:5359 Fig. 20

Excavations at Trim castle, 1971-74. Early 14th century.

Corroded. Blade straight-sided, with long (20mm) parallel-sided barbs set close to and touching socket; socket broken, displays possible forging seam on one side.

L: 47 (45) E: 44 (42) W: 15 T: 7 D: 10

Sweetman, 'Archaeological excavations at Trim castle', p. 177; Fig.23:4.

Type 5

Unless otherwise stated, all projectile heads can be taken to have small triangular blades of flattened lozenge or oval section on long, parallel-sided solid stems of rounded section.

320 Dublin, Co. Dublin E43:1098 Fig. 20

Excavations at High St, 1962-63. Late 12th/13th century.

Blade ragged but apparently straight-sided with straight base; stem (4mm in diameter) now bent; socket very fragmentary.

L: 310 (309) E: 18 R: 1 W: 17 (13) T: 2 D: (7) Wt: 24.

321 Dublin, Co. Dublin E71:16208

Excavations at High St, 1967-72. Late 11th/12th century.

Blade convex-sided with convex base; stem (4mm in diameter) relatively short, possibly incomplete.

L: (55) E: 10 R: 2 W: 10 T: 4 Wt: (4).

322 Dublin, Co. Dublin E81:948

Excavations at Winetavern St, 1969-72. 13th century.

Blade straight-sided with straight base; stem (3mm in diameter) now bent and incomplete at base.

L: (65) E: 15 R: 2 W: 14 T: 3 Wt: (5).

323 Dublin, Co. Dublin E122:72

Excavations at Christchurch Place, 1972-76. 12th century.

Blade concave-sided with straight base; stem (5mm in diameter) now bent; socket blocked with corrosion and/or traces of wooden shaft, possibly incomplete at base.

L: (319) E: 21 W: 5 T: 2 D: (7) Wt: (35).

324 Dublin, Co. Dublin E122:9403

Excavations at Christchurch Place, 1972-76. Late 12th/13th century.

Not seen, but illustrated in Finds Register. Blade straight-sided with straight base; stem bent near end, clearly incomplete at base.

L: (87).

325 Dublin, Co. Dublin E122:12768

Excavations at Christchurch Place, 1972-76. 2nd half 11th century.

Blade straight-sided with straight base; stem (4mm in diameter) now bent; only stump of socket survives.

L: (260) E: 12 W: 14 T: 2 D: (5) Wt: 22

326 Dublin, Co. Dublin E122:13194

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade concave-sided with straight base; stem (5mm in diameter) now slightly bent; socket encrusted but displays forging seam on one side.

L: 330 E: 15 W: 16 T: 3 D: 11 Wt: 48

327 Dublin, Co. Dublin E122:15391 Fig. 20

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Blade straight-sided with straight base; socket blocked with corrosion and/or traces of wooden shaft; forging seam, slightly open, visible on one side.

L: 129 E: 20 W: 15 T: 1 D: 8 Wt: 8

328 Dublin, Co. Dublin E148:711 Fig. 22

Excavations at Fishamble St, 1975-76. 11th/12th century.

Blade straight-sided with straight base; stem (5mm in diameter) of rounded/square section; socket displays forging seam and single nail hole opposite, 9mm from base; ragged and incomplete at base.

L: 215 E: 19 W: 16 T: 2 D: 9 Wt: 27

- 329 Dublin, Co. Dublin E172:2053**
Excavations at Fishamble St, 1977-80. Mid-11th century.
 Blade ragged but apparently straight-sided with convex base; stem 4mm in diameter; socket retains traces of wooden shaft, incomplete at base.
 L: 168 E: 21 R: 1 W: 14 (9) T: 2 D: (7) Wt: 12
- 330 Dublin, Co. Dublin E172:12420** Fig. 20
Excavations at Fishamble St, 1977-80. 2nd half 10th century.
 Blade straight-sided with concave base, giving slight basal barbs; stem swells slightly to stop at junction with tang; tang retains traces of wooden shaft.
 L: 110 E: 13 W: 7 T: 2 Wt: 10
- 331 Dublin, Co. Dublin E191:661**
Found about 12 feet below surface in street cuttings at Werburgh Street, 1856.
 Very corroded. Blade very ragged, with apparent sloping run; stem (5mm in thickness) of squared section, relatively short, possibly incomplete.
 L: (74) E: 17 (15) R: 3 W: 14 T: 4
- 332 Dublin, Co. Dublin E191:662** Fig. 20
Found "at some depth" during digging at the Four Courts, 1861.
 Very corroded. Blade very ragged but apparently leaf-shaped; stem (5mm in thickness) of rectangular section, relatively short but apparently complete.
 L: 110 E: 16 R: 15 W: 18 T: 4
- 333 Dublin, Co. Dublin Wk.31**
19th century street cuttings in the neighbourhood of Christchurch/Fishamble St.
 Corroded. Blade straight-sided with straight base; stem (4mm in diameter) relatively long, with fragments of socket at base.
 L: (184) E: 18 W: 15 T: 4 D: (8) Wt: 14
- 334 Dublin, Co. Dublin Wk.32**
19th century street cuttings in the neighbourhood of Christchurch/Fishamble St.
 Blade straight-sided with straight base; stem (3mm in thickness) relatively long, of rectangular section, tapering to flat tang at base; now slightly twisted.
 L: 199 E: 19 W: 15 (13) T: 2 Wt: 11
- 335 Unprovenanced X2811** Fig. 22
 Blade straight-sided with straight base; stem (5mm in thickness) relatively long, of squared section, narrowing abruptly to about half its thickness 10mm from base, presumably to form a tang.

Possible Type 5 projectile heads

336 Clonmacnoise, Co. Offaly E558:624

Excavations in the New Graveyard, 1990-97. Uncontexted.

Possible arrowhead fragment. Blade convex-sided with straight base; only short fragment of stem (5mm in diameter), of squared section, survives.

L: (34) E: 15 R: 1 W: 12 T: 4

337 Dublin, Co. Dublin 92E30:183 Fig. 20

Excavations at Christchurch Place, 1992.

Probable arrowhead. Blade slightly concave-sided with slightly sloping run; stem (4mm in thickness) relatively short, of rectangular section, tapering evenly to a pointed tang.

L: 78 E: 20 R: 1 W: 17 T: 3

338 Lurgankeel, Co. Louth E55:256

Excavations at Lurgankeel motte, 1964. ?Late 12th/early 13th century.

Possible arrowhead fragment. Small, thick blade, straight-sided with straight base, blunted at point; stem (3mm in diameter) relatively short, of square section, tapering to apparent pointed tang but possibly incomplete.

L: (43) E: 14 (11) W: 12 T: 4

Type 6

Unless otherwise stated, all projectile heads can be taken to have narrow bodkin blades of lozenge section, on straight stems of thick lozenge section which swell towards the junction with the tang, and straight, tapering tangs of square section.

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339 Dublin, Co. Dublin E71:650

Excavations at High St, 1967-72. 2nd half 12th century.

Corroded. Blade convex-sided, bent 25mm from point; stem almost parallel-sided; only stump of tang survives.

L: (105) E: 69 R: 9 W: 8 T: 6 S: 20 Wt: 11

- 340 Dublin, Co. Dublin E71:3217**
Excavations at High St, 1967-72. 11th century.
 Blade convex-sided, almost shouldered; stem of rounded section, swelling evenly from blade to stop; tang bent, probably broken.
 L: 93 E: 48 R: 7 W: 6 T: 4 S: 21 Wt: 7
- 341 Dublin, Co. Dublin E71:4873**
Excavations at High St, 1967-72. 12th century.
 Blade convex-sided; tang missing.
 L: 100 (84) E: 43 R: 15 W: 7 T: 5 S: 21 Wt: 6
- 342 Dublin, Co. Dublin E71:7936**
Excavations at High St, 1967-72. 12th century.
 Blade convex-sided; stem almost undifferentiated from blade; tang corroded.
 L: 75 E: 28 R: 16 W: 5 T: 4 S: 13 Wt: 5
- 343 Dublin, Co. Dublin E71:10118**
Excavations at High St, 1967-72. Late 11th/12th century.
 Blade straight-sided with short shoulders above stem; relatively short stem of rounded/square section, swelling evenly to stop; tang bent.
 L: 103 (98) E: 66 R: 4 W: 6 T: 4 S: 14 Wt: 7
- 344 Dublin, Co. Dublin E71:16228**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade convex-sided; stem concave-sided; tang possibly broken.
 L: 86 E: 41 R: 7 W: 6 T: 4 S: 24 Wt: 6
- 345 Dublin, Co. Dublin E71:16283**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade convex-sided, bent 10mm from point; relatively short stem, concave-sided, of rounded/square section; tang of rounded/square section.
 L: 99 E: 53 R: 6 W: 7 T: 5 S: 16 Wt: 10
- 346 Dublin, Co. Dublin E71:16395**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade convex-sided; relatively short stem, concave-sided.
 L: 94 E: 50 R: 10 W: 6 T: 5 S: 12 Wt: 8

- 347 Dublin, Co. Dublin E71:16729**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Very corroded. Blade convex-sided and shouldered; relatively short stem of rounded section.
 L: 91 E: 50 R: 6 W: 10 T: (8) S: 21
- 348 Dublin, Co. Dublin E71:16750**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade convex-sided; stem almost parallel-sided.
 L: 111 E: 40 R: 23 W: 5 T: 3 S: 25 Wt: 7
- 349 Dublin, Co. Dublin E71:16776**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade convex-sided, almost shouldered; stem almost parallel-sided; only slight stop at junction with tang; tang bent.
 L: 97 E: 36 R: 11 W: 7 T: 4 S: 30 Wt: 7
- 350 Dublin, Co. Dublin E81:1729**
Excavations at Winetavern St, 1969-72. Uncontexted.
 Blade convex-sided; stem concave-sided, of rounded section; only stump of tang survives.
 L: (83) E: 43 (41) R: 14 W: 7 T: 5 S: 18 Wt: 7
- 351 Dublin, Co. Dublin E81:2125**
Excavations at Winetavern St, 1969-72. 2nd half 12th century.
 Blade convex-sided; relatively short stem, almost parallel-sided, of rounded/square section; tang of rounded/square section, base missing.
 L: (67) E: 27 R: 14 W: 6 T: 4 S: 14 Wt: 3
- 352 Dublin, Co. Dublin E81:2815**
Excavations at Winetavern St, 1969-72. Late 11th century.
 Blade convex-sided; stem concave-sided, of rounded section; tang bent.
 L: 100 E: 56 R: 6 W: 7 T: 5 S: 19 Wt: 9
- 353 Dublin, Co. Dublin E81:3990**
Excavations at Winetavern St, 1969-72. 11th century.
 Blade encrusted, probably convex-sided; relatively short stem, probably almost parallel-sided.
 L: 103 E: 50 R: 13 W: 7 T: 4 S: 13 Wt: 7

- 354 Dublin, Co. Dublin E81:4123**
Excavations at Winetavern St, 1969-72. 11th century.
 Very encrusted. Blade probably convex-sided and of square section; relatively short stem of rounded section, concave-sided.
 L: 95 E: 50 R: 5 W: 5 T: 5 S: 17 Wt: 6
- 355 Dublin, Co. Dublin E81:6294** Fig. 22
Excavations at Winetavern St, 1969-72. Late 10th century.
 Blade convex-sided, of triangular section with concave faces; stem concave-sided, of rounded section, with pronounced stop; tang bent, probably broken.
 L: 96 E: 30 R: 23 W: 6 T: 5 S: 23 Wt: 6
- 356 Dublin, Co. Dublin E122:33**
Excavations at Christchurch Place, 1972-76. Uncontexted.
 Not seen; Finds Register illustrates straight-sided blade of rectangular section, point broken; abrupt shoulders at junction with concave-sided stem; tang missing.
 L: (74)
- 357 Dublin, Co. Dublin E122:360**
Excavations at Christchurch Place, 1972-76. Late 11th/12th century.
 Blade straight-sided, of square section; relatively short stem, parallel-sided and almost undifferentiated from blade, but more rounded in section.
 L: 125 E: 80 W: 5 T: 5 S: 22 Wt: 11
- 358 Dublin, Co. Dublin E122:1261**
Excavations at Christchurch Place, 1972-76. 2nd half 12th century.
 Blade slightly convex-sided, of square section; relatively short stem, concave-sided, of rounded section; tang broken.
 L: (100) E: 59 R: 10 W: 5 T: 5 S: 16 Wt: 9
- 359 Dublin, Co. Dublin E122:1316**
Excavations at Christchurch Place, 1972-76. 2nd half 12th century.
 Blade convex-sided; relatively short stem, almost parallel-sided, of rounded section; tang parallel-sided, possibly broken.
 L: (82) E: 42 R: 8 W: 6 T: 4 S: 17 Wt: 6
- 360 Dublin, Co. Dublin E122:1340**
Excavations at Christchurch Place, 1972-76. 2nd half 12th century.
 Not seen, but Finds Register illustrates convex-sided blade, with slight shoulders above relatively short stem, concave-sided; tang missing.

L: (70) E: 54 (52) R: 8 W: 7 T: 5 S: 10 Wt: 14

361 Dublin, Co. Dublin E122:1630

Excavations at Christchurch Place, 1972-76. 2nd half 12th century.

Blade convex-sided; stem concave-sided, of rounded section.

L: 110 E: 64 R: 6 W: 6 T: 5 S: 23 Wt: 8

362 Dublin, Co. Dublin E122:1875

Excavations at Christchurch Place, 1972-76. 2nd half 12th century.

Blade convex-sided; stem almost parallel-sided, of rounded section; tang probably broken.

L: (74) E: 38 R: 7 W: 5 T: 3 S: 19 Wt: 4

363 Dublin, Co. Dublin E122:6193

Excavations at Christchurch Place, 1972-76. 2nd half 12th century.

Blade convex-sided, of square section, point missing; stem of rounded section, concave-sided; tang missing.

L: (52) E: 37 (35) R: 3 W: 5 T: 5 S: 17 Wt: 6

364 Dublin, Co. Dublin E122:11148

Excavations at Christchurch Place, 1972-76. 1st half 11th century.

Blade convex-sided, of triangular section with concave faces; relatively long stem of rounded section; tang bent, of rounded section.

L: 97 E: 19 R: 28 W: 5 T: 4 S: 35 Wt: 5

365 Dublin, Co. Dublin E122:11185

Excavations at Christchurch Place, 1972-76. Late 11th century.

Blade convex-sided; relatively short stem, concave-sided.

L: 83 E: 42 R: 9 W: 7 T: 6 S: 13 Wt: 5

366 Dublin, Co. Dublin E122:12086

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Blade straight-sided, of square section; relatively short stem of square section with rounded corners; tang bent.

L: 96 E: 58 W: 4 T: 4 S: 16 Wt: 5

367 Dublin, Co. Dublin E122:13678

Excavations at Christchurch Place, 1972-76. Late 11th/early 12th century.

Blade straight-sided; relatively short stem, concave-sided.

L: 119 E: 70 R: 6 W: 7 T: 5 S: 20 Wt: 7

368 Dublin, Co. Dublin E122:15924

Excavations at Christchurch Place, 1972-76. c.1050.

Blade convex-sided, point missing; stem concave-sided, of rounded section.

L: 90 (81) E: 39 (30) R: 11 W: 7 T: 4 S: 19 Wt: 6

369 Dublin, Co. Dublin E122:15956 Fig. 24

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade slightly shouldered; relatively short stem of rounded section; tang of rounded section.

L: 115 E: 62 R: 13 W: 6 T: 4 S: 20 Wt: 7

370 Dublin, Co. Dublin E122:16209

Excavations at Christchurch Place, 1972-76. Late 11th century.

Blade convex-sided, of square section, point bent; stem of rounded section, with abrupt, straight stop.

L: 99 E: 45 R: 5 W: 4 T: 4 S: 27 Wt: 8

371 Dublin, Co. Dublin E141:20

Excavations at Fishamble St, 1974-76. Uncontexted.

Blade convex-sided, bent near end and missing point; relatively long stem.

L: 101 (98) E: 40 (37) R: 7 W: 6 T: 4 S: 31 Wt: 7

372 Dublin, Co. Dublin E141:1171

Excavations at Fishamble St, 1974-76. 11th/12th century.

Narrow blade, straight-sided, of square section; abrupt shouldered junction with stem; stem almost parallel-sided, of rounded section.

L: 92 E: 51 R: 1 W: 3 T: 3 S: 20 Wt: 4

373 Dublin, Co. Dublin E172:5679

Excavations at Fishamble St, 1977-80. Mid-11th century.

Blade straight-sided, of square section; stem concave-sided; tang missing.

L: (70) E: 48 W: 4 T: 3 S: 22 Wt: 6

374 Dublin, Co. Dublin E172:6378 Fig. 24

Excavations at Fishamble St, 1977-80. c.1000.

Blade straight-sided, of square section; stem concave-sided, of rounded section; tang slightly bent.

L: 121 E: 59 W: 5 T: 5 S: 29 Wt: 12

- 375 Dublin, Co. Dublin E172:6403**
Excavations at Fishamble St, 1977-80. c.1000.
 Blade convex-sided; stem concave-sided.
 L: 85 E: 30 R: 13 W: 7 T: 6 S: 25 Wt: 5
- 376 Dublin, Co. Dublin E172:13279**
Excavations at Fishamble St, 1977-80.
 Not seen, but Finds Register illustrates convex-sided blade of square section on concave-sided run of rectangular section.
 L: 105 E: 51 R: 3 W: 4 T: 4 S: 18
- 377 Dublin, Co. Dublin E173:112**
Excavations at John's Lane, 1978-79. Uncontexted.
 Blade convex-sided; stem of rounded section; only stump of tang remains.
 L: (83) E: 41 R: 12 W: 6 T: 4 S: 22 Wt: 5
- 378 Dublin, Co. Dublin E173:3216** Fig. 24
Excavations at John's Lane, 1978-79. 11th/12th century.
 Blade straight-sided; relatively long stem, concave-sided; only stump of tang survives.
 L: (89) E: 49 R: 5 W: 6 T: 4 S: 30 Wt: 6
- 379 Dublin, Co. Dublin E173:3392**
Excavations at John's Lane, 1978-79. 11th/12th century.
 Blade convex-sided; relatively short stem of square section, concave-sided.
 L: 83 E: 47 R: 5 W: 5 T: 3 S: 14 Wt: 5
- 380 Dublin, Co. Dublin E173:3580**
Excavations at John's Lane, 1978-79. 11th/12th century.
 Blade convex-sided, of square section, bent near point; stem concave-sided but very corroded; definite stop above tang.
 L: 127 E: 80 R: 2 W: 6 T: 5 S: 45 Wt: 15
- 381 Dublin, Co. Dublin E190:75**
Excavations at Fishamble St, 1980-81. Uncontexted.
 Blade straight-sided, of square section; relatively short stem of rounded section, concave-sided; tang of rounded section.
 L: 86 E: 40 R: 7 W: 5 T: 5 S: 15 Wt: 6

- 382 Dublin, Co. Dublin E190:678**
Excavations at Fishamble St, 1980-81. Mid-/late 11th century.
 Blade convex-sided; short, parallel-sided stem of rounded section; short tang, possibly incomplete.
 L: 101 (99) E: 61 (60) R: 10 W: 8 T: 6 S: 17
- 383 Dublin, Co. Dublin E190:2023**
Excavations at Fishamble St, 1980-81. Mid/late 11th century.
 Blade convex-sided; stem concave-sided.
 L: 105 E: 52 R: 9 W: 7 T: 5 S: 21 Wt: 7
- 384 Dublin, Co. Dublin E190:2666** Fig. 24
Excavations at Fishamble St, 1980-81. c.1000.
 Blade convex-sided, of square section; exceptionally short stem of square section with abrupt, straight stop; relatively long tang.
 L: 104 E: 42 R: 18 W: 4 T: 4 S: 8 Wt: 9
- 385 Dublin, Co. Dublin E190:2674** Fig. 22
Excavations at Fishamble St, 1980-81. c.1000.
 Blade convex-sided, of square section, with chamfered corners at base; stem of square section with rounded corners, with straight stop.
 L: 88 E: 37 R: 8 W: 6 T: 5 S: 23 Wt: 9
- 386 Dublin, Co. Dublin E190:4221**
Excavations at Fishamble St, 1980-81. Early 11th century.
 Blade convex-sided, of square section; stem concave-sided, of square section with rounded corners.
 L: 94 E: 45 R: 3 W: 5 T: 4 S: 19 Wt: 8
- 387 Dublin, Co. Dublin E190:4502** Fig. 22
Excavations at Fishamble St, 1980-81. c.1000.
 Blade convex-sided, of square section; second short triangular/shouldered blade of flat lozenge section near base; stem almost parallel-sided, of rounded section.
 L: 103 E: 51 R: 3 W: 5 T: 4 S: 26 Wt: 9
- 388 Dublin, Co. Dublin E190:4586**
Excavations at Fishamble St, 1980-81. Late 10th century.
 Blade convex-sided, of square section; relatively short stem, concave-sided, of rounded section; relatively long tang.
 L: 128 E: 62 R: 6 W: 6 T: 5 S: 16 Wt: 13

389 Dublin, Co. Dublin E476:897

Excavations at 5-12 High St, 1989. Late 12th century.

Blade convex-sided; concave-sided stem of round section; tang largely missing.

L: (85) E: 55 R: 8 W: 6 T: 4

390 Dublin, Co. Dublin E476:936 Fig. 22

Excavations at 5-12 High St, 1989. Late 12th century.

Blade straight-sided, with relatively long stem of round section, swelling to abrupt, straight junction with tang; two pairs of barbs occur, set at right angles to each other, one at base of blade, the other midway along stem.

L: 115 E: 42 W: 10 T: 4

391 Dublin, Co. Dublin E476:1022

Excavations at 5-12 High St, 1989. Late 12th century.

Blade straight-sided, missing point; shouldered junction with relatively long, parallel-sided stem of round section; no clear distinction between stem and tang, which may be missing.

L: 90 (73) E: 55 (37) R: 3 W: 6 T: 4

392 Dublin, Co. Dublin 1887:104

Found in 19th century street cuttings in vicinity of Christ Church cathedral.

Blade convex-sided, of square section; stem concave-sided, of round section, with abrupt, straight junction with tang.

L: 120 E: 45 R: 27 W: 6 T: 5 Wt: 10

393 Dublin, Co. Dublin 1887:105

Found in 19th century street cuttings in vicinity of Christ Church cathedral.

Blade convex-sided, damaged on one side near point; stem concave-sided, of roughly rounded section.

L: 94 E: 49 R: 6 W: 7 T: 5 Wt: 7

394 Dublin, Co. Dublin 1887:106

Found in 19th century street cuttings in vicinity of Christ Church cathedral.

Blade convex-sided; stem parallel-sided, but waisted at junction with blade; of roughly rounded section.

L: 93 E: 53 R: 3 W: 5 T: 4 Wt: 7

395 Dublin, Co. Dublin Wk.24

Found in 19th century street cuttings in vicinity of Christchurch/Fishamble St.

Corroded. Blade almost parallel-sided, tapering abruptly 15mm from point; shouldered junction with parallel-sided stem, of round section; short tang of round section.

L: 105 E: 60 R: 5 W: 8 T: 6 Wt: 11

396 Limerick, Co. Limerick E534:1528

Excavations at King John's Castle, 1990. c.1175-1200.

Blade convex-sided, slightly bent at tip; concave-sided stem of round section.

L: 94 E: 56 R: 5 W: 7 T: 5

397 Limerick, Co. Limerick E534:2319

Excavations at King John's Castle, 1990. c.1175-1200.

Very corroded. Blade convex-sided; concave-sided stem, relatively thick; tang very short, probably incomplete.

L: 108 E: 71 R: 6 W: 8 T: 5

398 Limerick, Co. Limerick E534:4053

Excavations at King John's Castle, 1990. c.1175.

Blade convex-sided, bent at point, of lozenge section; stem almost parallel-sided, swelling slightly at junction with tang; short tang, incomplete but probably not much longer originally.

L: 99 (96) E: 57 R: 10 W: 6 T: 5

399 Waterford, Co. Waterford E343:5394:123

Excavations at St Peter's church, 1986-87. Mid-12th century.

Blade convex-sided; stem relatively long, slightly swollen at junction with tang, of rounded section; only stump of tang survives.

L: (106) E: 60 R: 6 W: 8 T: 6

Halpin, 'Archery material', p. 544; Fig. 15:26.33

400 Waterford, Co. Waterford E406:1718:5

Excavations at Peter St/High St/Cook Lane, 1987-88. Early/mid-12th century.

Blade convex-sided, but ragged and missing point; short stem of roughly rounded section, slightly swollen at junction with tang; only stump of tang survives

L: 105 (86) E: 54 (50) R: 6 W: 8 T: 6

Halpin, 'Archery material', p. 545.

401 Waterford, Co. Waterford E527:782:21

Excavations at Arundel Square, 1990. Mid/late 12th century.

Short blade, convex-sided; relatively long, almost parallel-sided stem of rounded section; only stump of tang survives.

L: 100 (89) E: 37 R: 11 W: 7 T: 4

Halpin, 'Archery material', p. 545; Fig. 15:26.35.

402 Waterford, Co. Waterford E527:782:35

Excavations at Arundel Square, 1990. Mid/late 12th century.

Blade convex-sided, missing point; only stump of stem survives.

L: 95 (62) E: 50 (47) R: 7 W: 8 T: 5

Halpin, 'Archery material', p. 545; Fig. 15:26.36.

403 Waterford, Co. Waterford E527:1146:2

Excavations at Arundel Square, 1990. 11th/12th century.

Blade convex-sided; short, concave-sided stem.

L: 86 E: 36 R: 16 W: 6 T: 5

Halpin, 'Archery material', p. 544; Fig. 15:26.31.

404 Waterford, Co. Waterford E527:1446:14

Excavations at Arundel Square, 1990. Mid-12th century.

Blade convex-sided; stem and tang almost undifferentiated, tapering evenly throughout.

L: 96 E: 59 R: 6 W: 6 T: 5

Halpin, 'Archery material', p. 544; Fig. 15:26.29.

405 Waterford, Co. Waterford E527:1491:1

Excavations at Arundel Square, 1990. Late 11th century.

Blade convex-sided; short, concave-sided stem; rather crudely made, tang especially is off-centre.

L: 96 E: 61 R: 2 W: 7 T: 7

Halpin, 'Archery material', p. 544; Fig. 15:26.30.

406 Waterford, Co. Waterford E527:1510:85

Excavations at Arundel Square, 1990. Mid-12th century.

Corroded. Blade convex-sided, missing point; relatively long, concave-sided stem; short tang, possibly incomplete.

L: 96 (92) E: 45 (41) R: 7 W: 7 T: 5

Halpin, 'Archery material', p. 544; Fig. 15:26.32.

407 Waterford, Co. Waterford E527:1614:23

Excavations at Arundel Square, 1990. Late 11th/early 12th century.

Blade convex-sided; stem parallel-sided, of roughly rounded section; tang missing.

L: 100 (81) E: 56 R: 7 W: 7 T: 5

Halpin, 'Archery material', p. 545.

408 Waterford, Co. Waterford E550:10:3

Excavations at Bakehouse Lane, 1990. Mid-12th century.

Blade convex-sided; relatively short, concave-sided stem; short tang, now bent.

L: 93 (91) E: 49 R: 13 W: 7 T: 5

Halpin, 'Archery material', p. 544; Fig. 15:26.34.

Probable Type 6 projectile heads

409 Dublin, Co. Dublin E71:1893

Excavations at High St, 1967-72. 13th century.

Probable arrowhead; only convex-sided blade survives; straight break at base of blade.

L: (62) E: 31 R: 31 W: 5 T: 3 Wt: (2)

410 Dublin, Co. Dublin E71:4621

Excavations at High St, 1967-72. ?13th century.

Corroded, now conserved. Blade convex-sided; stem very corroded.

L: 79 E: 42 R: 5 W: 5 T: 3 S: 25 Wt: 4

411 Dublin, Co. Dublin E71:6881

Excavations at High St, 1967-72. 12th century.

Probable arrowhead. Blade straight-sided, of square section, point missing; stem concave-sided, corroded but probably of rounded section; only possible stump of tang survives.

L: (72) E: 44 (42) W: 4 T: 3 S: 25 Wt: 5

412 Dublin, Co. Dublin E122:1469 Fig. 22

Excavations at Christchurch Place, 1972-76. 2nd half 12th century.

Not seen, but Finds Register illustrates convex-sided blade above stem or tang (not clear which).

L: (82) E: 43 R: 18 W: 6 T: 4 S: 21

413 Dublin, Co. Dublin E122:16313

Excavations at Christchurch Place, 1972-76. 2nd quarter 11th century.

Probable arrowhead, corroded and encrusted. Blade convex-sided, of rectangular section; stem very corroded, of indeterminate section; tang missing.

L: 113 E: 40 R: 35 W: 8 T: 5 S: 32

414 Dublin, Co. Dublin E190:928

Excavations at Fishamble St, 1980-81. Early 11th century.

Probable arrowhead. Blade convex-sided, of square section; probable stem and tang below blade, obscured by corrosion.

L: (100) E: 51 R: 8 W: 6 T: 6 Wt: 13

Type 6 variants

415 Dublin, Co. Dublin E71:1140

Excavations at High St, 1967-72. 12th century.

Very corroded. Blade convex-sided, missing point; no stem; tang almost parallel-sided, of lozenge section.

L: 72 (70) E: 39 (37) R: 14 W: 6 T: 4 Wt: 4

416 Dublin, Co. Dublin E71:3418 Fig. 22

Excavations at High St, 1967-72. Late 12th century.

Blade ragged; no stem; tang of lozenge section.

L: 81 E: 58 R: 4 W: 7 T: 5 Wt: 6

417 Dublin, Co. Dublin E71:5064

Excavations at High St, 1967-72. 11th century.

Blade straight-sided, of square section; no stem; tang of rather broad rectangular section, now bent.

L: 66 E: 38 R: 7 W: 5 T: 5 Wt: 5

418 Dublin, Co. Dublin E122:1839 *

Excavations at Christchurch Place, 1972-76. 11th/12th century.

Blade convex-sided; no stem; relatively long tang.

L: 93 E: 53 R: 10 W: 7 T: 6 Wt: 7

419 Dublin, Co. Dublin E122:17220

Excavations at Christchurch Place, 1972-76. 2nd quarter 11th century.

Blade straight-sided, thickening to square section at junction with tang; no stem; tang of rather broad rectangular section.

L: 114 E: 79 W: 6 T: 6 Wt: 10

420 Dublin, Co. Dublin E172:9887

Excavations at Fishamble St, 1977-80.

Blade straight-sided, of square section; twisted at base into tang; no stem.

L: 108 E: 70 R: 3 W: 5 T: 5 Wt: 8

421 Dublin, Co. Dublin E190:4418

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade straight-sided, of square section; no stem; tang possibly broken.

L: (76) E: 55 R: 3 W: 5 T: 4 Wt: 4

422 Dublin, Co. Dublin E476:655

Excavations at 5-12 High St, 1989. Late 12th century.

Shouldered blade, straight-sided, with short, sloping run; no stem.

L: 85 E: 53 R: 8 W: 8 T: 7

Doubtful Type 6 projectile head

423 Dunamase or Park, Co. Laois 93E150:2832 Fig. 22

Excavations at Dunamase castle, 1993-97. Late 13th/first half 14th century.

Blade convex-sided, widest near point with long, tapering run, ending in abrupt, straight junction with tang; no stem.

L: 75 E: 25 R: 30 W: 8 T: 6 Wt: 8

Subtype 6A

◄

424 Dublin, Co. Dublin E71:16602

Excavations at High St, 1967-72. Mid 11th century.

Short blade, slightly convex-sided, of square section; abrupt shoulders at junction with stem; relatively long stem of rounded/square section; abrupt, straight stop; tang of rounded section.

L: 72 E: 20 R: 2 W: 4 T: 4 S: 26 Wt: 6

425 Dublin, Co. Dublin E172:11893

Fig. 22

Excavations at Fishamble St, 1977-80. 2nd half 10th century.

Short blade of square section, straight-sided with straight, flat base; relatively long stem of rounded section; abrupt, straight stop.

L: 75 E: 19 W: 4 T: 4 S: 38 Wt: 3

Subtype 6B

Unless otherwise stated, all projectile heads can be taken to have narrow bodkin blades of square section, with straight, flat bases and straight, tapering tangs of square section.

426 Dublin, Co. Dublin E71:2317

Fig. 24

Excavations at High St, 1967-72. 13th century.

Thick blade, straight-sided; tang bent.

L: 102 E: 64 W: 8 T: 8 Wt: 20

427 Dublin, Co. Dublin E122:48

Excavations at Christchurch Place, 1972-76. Uncontexted.

Blade largely missing, but straight-sided; tang slightly bent.

L: 69 (51) E: 39 (21) W: 5 T: 5

428 Dublin, Co. Dublin E122:14851

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Thick blade.

L: 75 E: 57 W: 7 T: 6 Wt: 5

429 Dublin, Co. Dublin E141:2199

Excavations at Fishamble St, 1974-76. 11th century.

Blade straight-sided, of rectangular section; only stump of tang survives.

L: (83) E: 69 W: 8 T: 7 Wt: 21

430 Dublin, Co. Dublin E190:5386

Fig. 22

Excavations at Fishamble St, 1980-81. Mid-10th century.

Blade convex-sided.

L: 77 E: 42 R: 15 W: 5 T: 4 Wt: 8

Possible Type 6B projectile head

431 Dublin, Co. Dublin E122:15643

Excavations at Christchurch Place, 1972-76. 2nd quarter 11th century.

Possible projectile head, corroded. Blade straight-sided, of rectangular section; tang of rounded section.

L: 64 E: 38 R: 1 W: 8 T: 3 Wt: 5

Type 7

Unless otherwise stated, all projectile heads can be taken to have narrow bodkin blades of square section and tapering sockets of round section.

432 Abbeypark, Co. Galway E99:47

Excavations at Clontuskert priory, 1971-72 12th-16th century.

Corroded. Blade convex-sided.

L: (78) E: 42 R: 4 W: 6 T: 6 D: (11)

Fanning, 'Clontuskert priory', p. 132; Fig.11.

433 Adare, Co. Limerick E147:78 Fig. 26

Excavations at Adare castle, 1975. Late 13th/early 14th century.

Corroded. Blade straight-sided, of rectangular section, now bent 42mm from point; socket largely missing.

L: 129 E: 99 (97) W: 4 T: 3 D: 8

P.D. Sweetman, 'Archaeological excavations at Adare castle, Co. Limerick', *Journal of the Cork Historical and Archaeological Society* 85 (1980), p. 5; Fig. 5.

434 Carrickfergus, Co. Antrim UM CFI-602B

Excavations at Market Place, 1972-79. Probably 15th/16th century.

Very corroded. Fragment of blade of indeterminate section.

L: (42) E: (30) W: 5 T: 5 D: 9

435 Castlereagh, Co. Down UM 1911-108

Found in or near "Con O'Neill's castle".

Long blade, straight-sided, of lozenge section, with a large gap toward the middle; socket almost undifferentiated from blade; broken in two pieces.

L: 222 E: 159 W: 8 T: 8 D: 15

- 436 Clonmacnoise, Co. Offaly E558:1716**
Excavations in the New Graveyard, 1990-97. Uncontexted.
 Blade fragmentary, but apparently straight-sided, socket undifferentiated from blade.
 L: (37) E: (12) W: 5 T: 5 D: 10
- 437 Clonmacnoise, Co. Offaly E558:2194**
Excavations in the New Graveyard, 1990-97. Uncontexted.
 Blade fragmentary but apparently straight-sided, socket undifferentiated from blade.
 L: (37) E: (11) D: 8
- 438 Clonmacnoise, Co. Offaly E558:2974ii**
Excavations in the New Graveyard, 1990-97. Uncontexted.
 Very corroded. Short blade, straight-sided, of indeterminate section; socket undifferentiated from blade, partly broken at base.
 L: 58 E: 34 W: 5 T: 5 D: 10
- 439 Clonmacnoise, Co. Offaly E558:2974iii**
Excavations in the New Graveyard, 1990-97. Uncontexted.
 Corroded. Short blade, straight-sided, possibly broken at point; apparently of rounded section but possibly obscured by corrosion; socket undifferentiated from blade, ragged and broken at base.
 L: (49) E: (22) W: 5 T: 5 D: (10)
- 440 Clonmacnoise, Co. Offaly E558:3780**
Excavations in the New Graveyard, 1990-97. Uncontexted.
 Blade fragmentary and expanded by corrosion.
 L: (34) E: (10) D: 9
- 441 Cloonagh, Co. Sligo 1902:107a** Fig. 26
Found in the "Coffey cave", Kesh caves, 1901.
 Corroded. Long blade, straight-sided but now rather ragged; socket undifferentiated from blade.
 L: (193) E: (156) W: 6 T: 6 D: 16 Wt: 32
- 442 Cork, Co. Cork CPM E146:30004**
Excavations at Holy Trinity/Christchurch, 1977. Uncontexted.
 Blade straight-sided but now bent; socket partly blocked with corrosion and/or traces of wooden shaft.

L: 139 E: 96 W: 6 T: 6 D: 15

Cleary *et al.*, *Skiddy's castle and Christ Church*, p.170; Fig. 75:31.

443 Dublin, Co. Dublin E43:30

Excavations at High St, 1962-63. Uncontexted.

Blade slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 63 E: 30 R: 11 W: 4 T: 4 D: 9 Wt: 5

444 Dublin, Co. Dublin E43:725

Excavations at High St, 1962-63. Uncontexted.

Blade of rectangular section; only ragged stump of socket survives.

L: (56) E: 39 W: 4 T: 3 (2) D: 4

445 Dublin, Co. Dublin E43:909 Fig. 27

Excavations at High St, 1962-63. Uncontexted.

Long blade, convex-sided; socket has nail hole, 8mm above base, opposite forging seam.

L: 125 E: 70 R: 18 W: 7 T: 6 D: 13 Wt: 24

446 Dublin, Co. Dublin E43:934 Fig. 27

Excavations at High St, 1962-63. Uncontexted.

Blade missing point; socket slightly open for full length with nail hole opposite forging seam.

L: 86 (85) E: 56 (55) W: 5 T: 4 D: 9 Wt: 8

447 Dublin, Co. Dublin E43:962 Fig. 27

Excavations at High St, 1962-63. Uncontexted.

Short blade; base of socket ragged.

L: 64 E: 31 R: 4 W: 5 T: 5 D: 9 Wt: 10

448 Dublin, Co. Dublin E43:1015 Fig. 27

Excavations at High St, 1962-63. Uncontexted.

Thin blade; socket slightly crushed; base ragged.

L: (89) E: 58 W: 3 T: 3 D: 8 (7) Wt: 6

449 Dublin, Co. Dublin E43:1254 Fig. 27

Excavations at High St, 1962-63. ?13th century.

Short blade, convex-sided; base of socket incomplete.

L: (53) E: 26 R: 6 W: 4 T: 4 D: 8 (7) Wt: 5

450 Dublin, Co. Dublin E43:1335

Excavations at High St, 1962-63. 12th century.

Blade convex-sided, missing point; base of socket incomplete.

L: (68) E: 28 (25) R: 15 W: 3 T: 3 D: 6 Wt: 6

451 Dublin, Co. Dublin E43:1469

Excavations at High St, 1962-63. 12th century.

Blade convex-sided; socket very incomplete.

L: (65) E: 34 R: 9 W: 3 T: 3 D: 7 Wt: 5

452 Dublin, Co. Dublin E43:1720 Fig. 27

Excavations at High St, 1962-63.

Blade has clear waist at junction with socket; socket has nail hole 3mm above base, opposite forging seam; base incomplete.

L: 66 E: 38 R: 5 W: 5 T: 5 D: 7 Wt: 6

453 Dublin, Co. Dublin E43:2358 Fig. 27

Excavations at High St, 1962-63. Uncontexted.

Short blade, convex-sided; socket very ragged.

L: 54 E: 25 R: 6 W: 3 T: 3 D: 8 Wt: 4

454 Dublin, Co. Dublin E71:864

Excavations at High St, 1967-72. 12th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base incomplete.

L: (73) E: 33 R: 13 W: 5 T: 5 D: 9 Wt: 9

455 Dublin, Co. Dublin E71:1138

Excavations at High St, 1967-72. 13th century.

Very long blade, now bent at two points; socket blocked with corrosion and/or traces of wooden shaft.

L: 236 E: 208 W: 6 T: 5 D: 12 Wt: 37

456 Dublin, Co. Dublin E71:1658

Excavations at High St, 1967-72. Uncontexted.

Blade of rectangular section; socket apparently complete but partly open for 8mm above base.

L: 74 E: 53 W: 5 T: 4 D: 8 Wt: 7

457 Dublin, Co. Dublin E71:2050

Excavations at High St, 1967-72. 13th century.

Blade corroded; socket relatively long, corroded with large broken opening for 12mm above base.

L: 72 E: 28 R: 6 W: 5 T: 4 D: 9 Wt: 7

458 Dublin, Co. Dublin E71:2654

Excavations at High St, 1967-72. Late 12th century.

Blade corroded but probably convex-sided; socket largely blocked with corrosion and/or traces of wooden shaft; base incomplete.

L: 54 E: 29 R: 8 W: 4 T: 4 D: 8 Wt: 4

459 Dublin, Co. Dublin E71:2656

Excavations at High St, 1967-72. Uncontexted.

Blade of rectangular section, slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 74 E: 38 R: 4 W: 5 T: 4 D: 9 Wt: 7

460 Dublin, Co. Dublin E71:2681

Excavations at High St, 1967-72. Uncontexted.

Thin blade, missing point; base of socket ragged and incomplete.

L: 49 (47) E: 22 W: 3 T: 3 D: 7

461 Dublin, Co. Dublin E71:2801

Excavations at High St, 1967-72. Late 11th/12th century.

L: 66 E: 38 W: 4 T: 4 D: 9 Wt: 5

462 Dublin, Co. Dublin E71:2959

Excavations at High St, 1967-72. Late 11th/12th century.

Blade of rectangular section; only stump of socket survives.

L: (53) E: 42 W: 4 T: 3 D: 5 Wt: 4

463 Dublin, Co. Dublin E71:3057 *

Excavations at High St, 1967-72. ?13th century.

Blade corroded; socket displays large gap, probably on line of forging seam; base ragged and incomplete.

L: (55) E: 32 (31) W: 4 T: 3 D: 7 Wt: 4

- 464 Dublin, Co. Dublin E71:3157**
Excavations at High St, 1967-72. 11th century.
 Blade of lozenge section.
 L: 70 E: 40 W: 6 T: 5 D: 9 Wt: 8
- 465 Dublin, Co. Dublin E71:3448**
Excavations at High St, 1967-72. 12th century.
 Blade corroded, missing point; only ragged stump of socket survives.
 L: (33) E: 22 W: 3 T: 3 D: 7
- 466 Dublin, Co. Dublin E71:4012**
Excavations at High St, 1967-72. 11th century.
 Base of socket ragged.
 L: 58 E: 34 W: 5 T: 4 D: 8 Wt: 4
- 467 Dublin, Co. Dublin E71:4685**
Excavations at High St, 1967-72. ?13th century.
 Short blade; base of socket ragged.
 L: 42 E: 18 R: 5 W: 5 T: 4 D: 8 Wt: 3
- 468 Dublin, Co. Dublin E71:5234**
Excavations at High St, 1967-72. Uncontexted.
 Corroded blade; socket blocked with corrosion and/or traces of wooden shaft.
 L: 48 E: 18 R: 4 W: 5 T: 5 D: 10 Wt: 4
- 469 Dublin, Co. Dublin E71:6156**
Excavations at High St, 1967-72. 12th century.
 Corroded blade; base of socket incomplete.
 L: 54 E: 34 W: 5 T: 5 D: 9 Wt: 4
- 470 Dublin, Co. Dublin E71:6997**
Excavations at High St, 1967-72. 12th century.
 Corroded blade; only stump of socket survives.
 L: (53) E: 38 W: 4 T: 4 D: 5
- 471 Dublin, Co. Dublin E71:7079**
Excavations at High St, 1967-72. 12th century.
 Corroded blade, slightly bent at base; socket blocked with corrosion and/or traces of wooden shaft; base broken.
 L: 67 E: 39 W: 4 T: 4 D: 9 Wt: 6

- 472 Dublin, Co. Dublin E71:7221**
Excavations at High St, 1967-72. 12th century.
 Blade of rectangular section, convex-sided; socket corroded, blocked with corrosion and/or traces of wooden shaft.
 L: 74 E: 48 R: 6 W: 5 T: 4 D: 9 Wt: 6
- 473 Dublin, Co. Dublin E71:8173**
Excavations at High St, 1967-72. 13th century.
 Blade broken in several pieces; socket corroded, base incomplete.
 L: (45) E: 26 W: 5 T: 5 D: 8
- 474 Dublin, Co. Dublin E71:10039**
Excavations at High St, 1967-72. Late 11th/12th century.
 Socket ragged with one side missing.
 L: 64 E: 38 W: 4 T: 4 D: 9 Wt: 5
- 475 Dublin, Co. Dublin E71:10136**
Excavations at High St, 1967-72. Late 11th/12th century.
 Blade of lozenge section, strongly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 79 E: 37 R: 10 W: 6 T: 4 D: 8 Wt: 6
- 476 Dublin, Co. Dublin E71:10289**
Excavations at High St, 1967-72. Mid-11th century.
 Base of socket incomplete.
 L: (67) E: 38 W: 4 T: 3 D: 8 Wt: 5
- 477 Dublin, Co. Dublin E71:11612**
Excavations at High St, 1967-72. 13th century.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 63 E: 32 R: 3 W: 5 T: 5 D: 10 (11) Wt: 7
- 478 Dublin, Co. Dublin E71:11949 ◀**
Excavations at High St, 1967-72. 13th century.
 Blade of lozenge section, convex-sided; socket very narrow.
 L: 70 E: 33 R: 6 W: 5 T: 4 D: 7 Wt: 5

- 479 Dublin, Co. Dublin E71:15951**
Excavations at High St, 1967-72. Late 12th century.
 Blade convex-sided, missing point; socket blocked with corrosion and/or traces of wooden shaft, open on one side for 11mm above base.
 L: 61 (59) E: 30 (28) W: 4 T: 3 D: 9 Wt: 4
- 480 Dublin, Co. Dublin E71:16124**
Excavations at High St, 1967-72. Late 12th century.
 Thin blade; socket corroded, blocked with corrosion and/or traces of wooden shaft.
 L: 55 (54) E: 34 (33) W: 3 T: 3 D: 8 Wt: 4
- 481 Dublin, Co. Dublin E71:16153**
Excavations at High St, 1967-72. Late 12th century.
 Thin blade; base of socket ragged.
 L: 51 E: 22 R: 6 W: 3 T: 2 D: 8 Wt: 2
- 482 Dublin, Co. Dublin E71:16167**
Excavations at High St, 1967-72. Late 12th century.
 Blade convex-sided; base of socket incomplete.
 L: (64) E: 28 R: 8 W: 4 T: 4 D: 8 Wt: 5
- 483 Dublin, Co. Dublin E71:16188** Fig. 27
Excavations at High St, 1967-72. Late 12th century.
 Short blade, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 43 E: 18 R: 5 W: 4 T: 4 D: 7 Wt: 3
- 484 Dublin, Co. Dublin E71:16285**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade of rectangular section; socket blocked with corrosion and/or traces of wooden shaft.
 L: 49 E: 26 W: 4 T: 3 D: 8 Wt: 3
- 485 Dublin, Co. Dublin E71:16308**
Excavations at High St, 1967-72. Late 11th/early 12th century.
 Blade bent over on itself 30mm from point; socket corroded, blocked with corrosion and/or traces of wooden shaft.
 L: 63 E: 39 W: 4 T: 4 D: 7 Wt: 4

486 Dublin, Co. Dublin E71:16397

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 70 E: 34 R: 11 W: 4 T: 3 D: 9 Wt: 5

487 Dublin, Co. Dublin E71:16434

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade of lozenge section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 68 E: 32 R: 7 W: 5 T: 4 D: 9 Wt: 5

488 Dublin, Co. Dublin E71:16448

Excavations at High St, 1967-72. Late 11th/early 12th century.

Corroded blade, convex-sided; socket blocked with corrosion and/or traces of wooden shaft, split along one side.

L: 65 E: 26 R: 8 W: 5 T: 4 D: 9 Wt: 6

489 Dublin, Co. Dublin E71:16561

Excavations at High St, 1967-72. Late 11th/early 12th century.

Base of socket ragged.

L: 69 E: 42 W: 5 T: 4 D: 9 Wt: 7

490 Dublin, Co. Dublin E71:16580

Excavations at High St, 1967-72. Late 11th/early 12th century.

Large blade, slightly convex-sided; socket corroded, blocked with corrosion and/or traces of wooden shaft.

L: 130 E: 71 R: 9 W: 7 T: 7 D: 17 Wt: 29

491 Dublin, Co. Dublin E71:16665

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade corroded, convex-sided; socket split and flattened.

L: 62 E: 23 R: 13 W: 5 T: 5 D: 9

6

492 Dublin, Co. Dublin E71:16749

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade corroded, of lozenge section; socket corroded, base incomplete.

L: (71) E: 45 W: 5 T: 5 D: 9 Wt: 7

493 Dublin, Co. Dublin E71:16763

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade of rectangular section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 62 E: 30 R: 6 W: 6 T: 4 D: 9 Wt: 5

494 Dublin, Co. Dublin E71:16802

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade convex-sided; socket corroded and splitting, base incomplete.

L: (55) E: 25 R: 6 W: 5 T: 5 D: 8 Wt: 5

495 Dublin, Co. Dublin E71:16812

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade very corroded; socket blocked with corrosion and/or traces of wooden shaft.

L: 52 E: 31 W: 4 T: 4 D: 7 Wt: 4

496 Dublin, Co. Dublin E71:16814

Excavations at High St, 1967-72. Late 11th/early 12th century.

Thin blade; socket blocked with corrosion and/or traces of wooden shaft.

L: (50) E: 31 W: 3 T: 3 D: 6 Wt: 3

497 Dublin, Co. Dublin E71:16853

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade very corroded; socket blocked with corrosion and/or traces of wooden shaft.

L: 63 E: 36 W: 4 T: 4 D: 9 Wt: 6

498 Dublin, Co. Dublin E71:16853

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade corroded, convex-sided, probably missing point; socket blocked with corrosion and/or traces of wooden shaft.

L: 47 (44) E: 20 (17) R: 4 W: 5 T: 3 D: 8

499 Dublin, Co. Dublin E71:16856 *

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade corroded; socket largely missing.

L: (58) E: 39 W: 4 T: 3 D: 7

500 Dublin, Co. Dublin E71:16866

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade bent 40mm from point; socket blocked with corrosion and/or traces of wooden shaft.

L: 106 E: 79 W: 4 T: 4 D: 9 Wt: 10

501 Dublin, Co. Dublin E71:16915

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade corroded; socket blocked with corrosion and/or traces of wooden shaft.

L: 53 E: 37 W: 5 T: 5 D: 9 Wt: 5

502 Dublin, Co. Dublin E71:16954

Excavations at High St, 1967-72. Early/mid-11th century.

Blade of rectangular section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 60 E: 22 R: 10 W: 5 T: 4 D: 9 Wt: 5

503 Dublin, Co. Dublin E71:19573

Excavations at High St, 1967-72. 10th/11th century.

Blade of rectangular section, possibly missing point; socket blocked with corrosion and/or traces of wooden shaft.

L: 68 (67) E: 35 (34) W: 5 T: 4 D: 8 Wt: 7

504 Dublin, Co. Dublin E71:19650

Excavations at High St, 1967-72. 10th/11th century.

Blade of rectangular section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft, open for 13mm above base.

L: 58 E: 27 R: 10 W: 4 T: 3 D: 8 Wt: 4

505 Dublin, Co. Dublin E81:441

Excavations at Winetavern St, 1969-72. Late 11th/early 12th century.

Blade convex-sided; socket ragged and incomplete.

L: (71) E: 43 R: 4 W: 4 T: 4 D: 8 Wt: 5

506 Dublin, Co. Dublin E81:729

Excavations at Winetavern St, 1969-72. 13th century.

Blade convex-sided; socket open for 11mm above base.

L: 59 E: 21 R: 10 W: 5 T: 4 D: 10 Wt: 6

507 Dublin, Co. Dublin E81:2179

Excavations at Winetavern St, 1969-72. Late 12th century.

Blade convex-sided; socket has probable pair of nail holes 2mm above base; ragged break along forging seam for 15mm above base.

L: 85 E: 46 R: 5 W: 6 T: 6 D: 12 Wt: 17

508 Dublin, Co. Dublin E81:2193

Excavations at Winetavern St, 1969-72. Late 12th century.

Blade of rectangular section; socket blocked with corrosion and/or traces of wooden shaft.

L: 57 E: 34 W: 5 T: 4 D: 8 Wt: 4

509 Dublin, Co. Dublin E81:2240

Excavations at Winetavern St, 1969-72. Late 11th/12th century.

Blade corroded; socket blocked with corrosion and/or traces of wooden shaft.

L: 74 E: 47 W: 6 T: 6 D: 10 Wt: 9

510 Dublin, Co. Dublin E81:2472

Excavations at Winetavern St, 1969-72. Late 11th century.

Blade of thick lozenge; point tapers strongly for final 10mm; socket blocked with corrosion and/or traces of wooden shaft.

L: 76 E: 50 W: 7 T: 6 D: 10 Wt: 10

511 Dublin, Co. Dublin E81:3305

Excavations at Winetavern St, 1969-72. 12th/13th century.

Blade very corroded, of indeterminate section, probably convex-sided; only stump of socket survives.

L: (58) E: 53

512 Dublin, Co. Dublin E81:4149

Excavations at Winetavern St, 1969-72. Mid-11th century.

Thin blade, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 57 E: 32 R: 5 W: 3 T: 3 D: 7 Wt: 3

513 Dublin, Co. Dublin E81:4367

Excavations at Winetavern St, 1969-72. Late 11th century.

Only stump of socket survives.

L: (68) E: 54 W: 3 T: 3 D: 6 Wt: 4

- 514 Dublin, Co. Dublin E81:4693**
Excavations at Winetavern St, 1969-72. Late 12th century.
 Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 53 E: 20 R: 9 W: 3 T: 3 D: 7 Wt: 3
- 515 Dublin, Co. Dublin E81:4943**
Excavations at Winetavern St, 1969-72. Late 11th/12th century.
 Socket blocked with corrosion and/or traces of wooden shaft, base incomplete.
 L: 70 (68) E: 42 W: 4 T: 4 D: 10 Wt: 5
- 516 Dublin, Co. Dublin E81:5247**
Excavations at Winetavern St, 1969-72. 11th century.
 Socket partly blocked with traces of wooden shaft; ragged and split.
 L: 73 E: 42 W: 3 T: 3 D: 8 Wt: 4
- 517 Dublin, Co. Dublin E81:5326**
Excavations at Winetavern St, 1969-72. 11th century.
 Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft;
 open along forging seam for 7mm above base.
 L: 61 E: 29 R: 10 W: 5 T: 4 D: 9 Wt: 6
- 518 Dublin, Co. Dublin E81:5361**
Excavations at Winetavern St, 1969-72. 11th century.
 Blade corroded; socket blocked with corrosion and/or traces of wooden shaft.
 L: 92 (90) E: 54 (52) R: 2 W: 5 T: 5 D: 9 Wt: 13
- 519 Dublin, Co. Dublin E81:5610**
Excavations at Winetavern St, 1969-72. 10th/11th century.
 Blade very corroded, convex-sided; socket blocked with corrosion and/or traces of
 wooden shaft, base incomplete.
 L: 53 (52) E: 18 R: 6 W: 5 T: 4 D: 11 (10) WT: 4
- 520 Dublin, Co. Dublin E81:5610 ***
Excavations at Winetavern St, 1969-72. 10th/11th century.
 Blade corroded; socket blocked with corrosion and/or traces of wooden shaft.
 L: 48 (46) E: 28 (26) W: 4 T: 4 D: 10 Wt: 4

521 Dublin, Co. Dublin E81:5938

Excavations at Winetavern St, 1969-72. 1st half 11th century.

Short blade, convex-sided; socket ragged at base; possible pair of nail holes 1mm above base.

L: 48 E: 14 R: 10 W: 4 T: 4 D: 8 Wt: 4

522 Dublin, Co. Dublin E81:9161 Fig. 27

Excavations at Winetavern St, 1969-72. 12th/13th century.

Socket relatively long; blocked with traces of wooden shaft.

L: 103 E: 56 W: 6 T: 6 D: 9 Wt: 11

523 Dublin, Co. Dublin E122:253

Excavations at Christchurch Place, 1972-76. Late 11th/12th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 71 E: 37 R: 12 W: 5 T: 4 D: 9 Wt: 5

524 Dublin, Co. Dublin E122:359

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Blade very corroded; socket blocked with corrosion and/or traces of wooden shaft.

L: 46 E: 26 W: 5 T: 5 D: 9 Wt: 4

525 Dublin, Co. Dublin E122:402

Excavations at Christchurch Place, 1972-76. Late 11th/12th century.

L: 54 E: 31 W: 4 T: 4 D: 7 Wt: 3

526 Dublin, Co. Dublin E122:429

Excavations at Christchurch Place, 1972-76. Late 11th/12th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 68 E: 33 R: 9 W: 4 T: 3 D: 7 Wt: 4

527 Dublin, Co. Dublin E122:460

Excavations at Christchurch Place, 1972-76. 12th century.

Blade now bent, probably convex-sided; socket has large opening along forging seam for 10mm above base.

L: 69 E: 35 R: 5 W: 3 T: 3 D: 8 Wt: 4

528 Dublin, Co. Dublin E122:574

Excavations at Christchurch Place, 1972-76. Late 11th/12th century.

Socket blocked with corrosion and/or traces of wooden shaft; base ragged.

L: 66 E: 42 W: 5 T: 3 D: 9 Wt: 4

- 529 Dublin, Co. Dublin E122:730**
Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.
 Blade very corroded; socket blocked with corrosion and/or traces of wooden shaft.
 L: 75 E: 51 W: 4 T: 4 D: 8 Wt: 5
- 530 Dublin, Co. Dublin E122:882**
Excavations at Christchurch Place, 1972-76. Early 12th century.
 Blade convex-sided; socket open for 3mm above base.
 L: 69 E: 34 R: 8 W: 4 T: 3 D: 7 Wt: 5
- 531 Dublin, Co. Dublin E122:924**
Excavations at Christchurch Place, 1972-76. 12th century.
 Not seen but illustrated in Finds Register. Point of blade missing.
 L: (55)
- 532 Dublin, Co. Dublin E122:1224**
Excavations at Christchurch Place, 1972-76. ?Late 12th century.
 Socket very narrow.
 L: 52 E: 29 R: 4 W: 3 T: 3 D: 7 Wt: 2
- 533 Dublin, Co. Dublin E122:1257**
Excavations at Christchurch Place, 1972-76. Late 11th/early 12th century.
 L: 52 E: 22 W: 3 T: 3 D: 7 Wt: 3
- 534 Dublin, Co. Dublin E122:1307**
Excavations at Christchurch Place, 1972-76. ?13th century.
 Socket blocked with corrosion and/or traces of wooden shaft; open for 10mm above base.
 L: 54 E: 32 W: 3 T: 3 D: 8 Wt: 3
- 535 Dublin, Co. Dublin E122:1329**
Excavations at Christchurch Place, 1972-76. ?13th century.
 Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 47 E: 16 R: 7 W: 4 T: 4 D: 9 Wt: 3
- 536 Dublin, Co. Dublin E122:1484**
Excavations at Christchurch Place, 1972-76. ?13th century.
 Very small blade.
 L: 34 E: 14 W: 3 T: 3 D: 7 Wt: 2

537 Dublin, Co. Dublin E122:1489

Excavations at Christchurch Place, 1972-76. ?12th century.

Blade convex-sided, slightly bent; socket blocked with corrosion and/or traces of wooden shaft.

L: 67 E: 33 R: 11 W: 3 T: 3 D: 8 Wt: 4

538 Dublin, Co. Dublin E122:1565

Excavations at Christchurch Place, 1972-76. Probably 13th century.

Short blade, convex-sided; socket blocked with corrosion and/or traces of shaft.

L: 51 E: 13 R: 7 W: 5 T: 5 D: 10 Wt: 5

539 Dublin, Co. Dublin E122:1632

Excavations at Christchurch Place, 1972-76. Probably 13th century.

L: 76 E: 43 W: 3 T: 3 D: 9 Wt: 5

540 Dublin, Co. Dublin E122:1816

Excavations at Christchurch Place, 1972-76. Probably 13th century.

L: 37 E: 18 W: 5 T: 4 D: 9 Wt: 4

541 Dublin, Co. Dublin E122:1895

Excavations at Christchurch Place, 1972-76. Probably 13th century.

Blade convex-sided; socket in two pieces, very corroded; blocked with corrosion and/or traces of wooden shaft.

L: 78 E: 35 R: 15 W: 5 T: 5 D: 8

542 Dublin, Co. Dublin E122:5855

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Socket blocked with corrosion and/or traces of wooden shaft.

L: 63 E: 42 W: 4 T: 4 D: 7 Wt: 5

543 Dublin, Co. Dublin E122:5856

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Socket blocked with corrosion and/of traces of wooden shaft.

L: 65 E: 38 W: 3 T: 3 D: 7 Wt: 4

544 Dublin, Co. Dublin E122:5873

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 71 E: 33 R: 11 W: 4 T: 4 D: 8 Wt: 4

545 Dublin, Co. Dublin E122:5937

Excavations at Christchurch Place, 1972-76. Probably early 12th century.
Blade almost parallel-sided tapering over final 10mm to point; base of socket ragged.

L: 103 E: 70 W: 5 T: 5 D: 12 Wt: 11

546 Dublin, Co. Dublin E122:6014

Excavations at Christchurch Place, 1972-76. Probably 13th century.

Blade corroded; socket blocked with corrosion and/or traces of wooden shaft.

L: 55 E: 27 W: 5 T: 5 D: 9 Wt: 4

547 Dublin, Co. Dublin E122:6066

Excavations at Christchurch Place, 1972-76. Probably 13th century.

Blade of rectangular section; socket blocked with corrosion and/or traces of wooden shaft.

L: 55 E: 33 W: 6 T: 5 D: 8 Wt: 5

548 Dublin, Co. Dublin E122:6141

Excavations at Christchurch Place, 1972-76. Probably 13th century.

Blade of rectangular section; socket blocked with corrosion and/or traces of wooden shaft.

L: 52 E: 28 W: 5 T: 4 D: 10 Wt: 6

549 Dublin, Co. Dublin E122:6296

Excavations at Christchurch Place, 1972-76. Late 11th/early 12th century.

Socket flattened at base, blocked with corrosion and/or traces of wooden shaft.

L: 48 E: 28 W: 3 T: 3 D: 6 (7) Wt: 2

550 Dublin, Co. Dublin E122:6572

Excavations at Christchurch Place, 1972-76. Probably 13th century.

Blade convex-sided.

L: 83 E: 42 R: 10 W: 4 T: 4 D: 9 Wt: 8

551 Dublin, Co. Dublin E122:6823

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Blade convex-sided; base of socket ragged.

L: 70 (68) E: 25 R: 15 W: 5 T: 5 D: 9 Wt: 7

552 Dublin, Co. Dublin E122:7174

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade convex-sided; socket flattened, blocked with corrosion and/or traces of wooden shaft.

L: 67 E: 35 R: 6 W: 3 T: 3 D: 7 Wt: 3

553 Dublin, Co. Dublin E122:7288

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade of rectangular section, slightly convex-sided; socket ragged and apparently expanded at base.

L: 65 (63) E: 26 R: 9 W: 5 T: 4 D: 11 (13) Wt: 7

554 Dublin, Co. Dublin E122:7305

Excavations at Christchurch Place, 1972-76. Late 11th century.

Socket blocked with corrosion and/or traces of wooden shaft; base missing.

L: (63) E: 34 W: 4 T: 4 D: 9 (8) Wt: 5

555 Dublin, Co. Dublin E122:7305

Excavations at Christchurch Place, 1972-76. Late 11th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 69 E: 37 R: 8 W: 4 T: 4 D: 8 Wt: 4

556 Dublin, Co. Dublin E122:7387

Excavations at Christchurch Place, 1972-76. Late 11th/early 12th century.

Blade convex-sided.

L: 75 E: 37 R: 7 W: 5 T: 4 D: 10 Wt: 6

557 Dublin, Co. Dublin E122:8453

Excavations at Christchurch Place, 1972-76. c.1100.

Blade convex-sided; socket incomplete and ragged at base; partly open for 5mm above base.

L: (59) E: 22 R: 16 W: 4 T: 4 D: 7

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558 Dublin, Co. Dublin E122:8470

Excavations at Christchurch Place, 1972-76. c.1100.

Blade of rectangular section; socket blocked with corrosion and/or traces of wooden shaft.

L: 54 E: 30 W: 6 T: 5 D: 9 Wt: 5

- 559 Dublin, Co. Dublin E122:8606**
Excavations at Christchurch Place, 1972-76. c.1050.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 73 E: 33 W: 5 (6) T: 5 D: 11 Wt: 9
- 560 Dublin, Co. Dublin E122:8774**
Excavations at Christchurch Place, 1972-76. c.1050.
 Socket very narrow, but base missing; blocked with corrosion and/or traces of wooden shaft.
 L: (55) E: 38 W: 4 T: 3 D: 9 (6) Wt: 3
- 561 Dublin, Co. Dublin E122:8886**
Excavations at Christchurch Place, 1972-76. c.1100.
 Blade of rectangular section, convex-sided, slightly bent near point; socket very narrow.
 L: 60 E: 31 R: 10 W: 6 T: 5 D: 7 Wt: 6
- 562 Dublin, Co. Dublin E122:8935**
Excavations at Christchurch Place, 1972-76. Late 11th century.
 Socket blocked with corrosion and/or traces of wooden shaft; base ragged.
 L: (53) E: 30 W: 5 T: 4 D: 8 Wt: 4
- 563 Dublin, Co. Dublin E122:8982**
Excavations at Christchurch Place, 1972-76. 1st half 11th century.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 69 E: 47 W: 5 T: 5 D: 9
- 564 Dublin, Co. Dublin E122:8983**
Excavations at Christchurch Place, 1972-76. 1st half 11th century.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 59 E: 38 W: 4 T: 4 D: 9
- 565 Dublin, Co. Dublin E122:9007 ***
Excavations at Christchurch Place, 1972-76. 12th century.
 Blade corroded and slightly twisted; socket blocked with corrosion and/or traces of wooden shaft.
 L: 64 E: 39 W: 4 T: 4 D: 8 Wt: 4

566 Dublin, Co. Dublin E122:9460

Excavations at Christchurch Place, 1972-76. Late 11th century.

Large blade, convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base ragged; nail hole 4mm above base, probably one of a pair (other side missing).

L: 122 E: 55 R: 23 W: 7 T: 7 D: 13 Wt: 20

567 Dublin, Co. Dublin E122:9513

Excavations at Christchurch Place, 1972-76. Late 11th century.

Blade of rectangular section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 63 (62) E: 29 (28) R: 6 W: 5 T: 4 D: 9 Wt: 6

568 Dublin, Co. Dublin E122:9578

Excavations at Christchurch Place, 1972-76. Late 11th century.

Thin blade, almost parallel-sided with abrupt point; socket blocked with corrosion and/or traces of wooden shaft.

L: 48 (47) E: 26 (25) W: 3 T: 3 D: 6

569 Dublin, Co. Dublin E122:9578

Excavations at Christchurch Place, 1972-76. Late 11th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base ragged.

L: 65 E: 35 R: 6 W: 5 T: 4 D: 9 Wt: 4

570 Dublin, Co. Dublin E122:9637

Excavations at Christchurch Place, 1972-76. Late 11th century.

Not seen, but illustrated in Finds Register. Blade has definite shoulders at junction with socket; base of socket ragged.

L: (42)

571 Dublin, Co. Dublin E122:9849

Excavations at Christchurch Place, 1972-76. c.1100.

Blade of rectangular section; socket blocked with corrosion and/or traces of wooden shaft.

L: 57 E: 31 W: 5 T: 4 D: 8 Wt: 5

- 572 Dublin, Co. Dublin E122:10841**
Excavations at Christchurch Place, 1972-76. 12th century.
 Blade corroded; socket blocked with corrosion and/or traces of wooden shaft; base probably missing.
 L: 73 (70) E: 48 W: 4 T: 3 D: 8 (7) Wt: 4
- 573 Dublin, Co. Dublin E122:10986**
Excavations at Christchurch Place, 1972-76. 11th century.
 Blade slightly convex-sided; socket corroded, blocked with corrosion and/or traces of wooden shaft, bent near junction with blade.
 L: 66 E: 28 R: 10 W: 4 T: 4 D: 10 Wt: 5
- 574 Dublin, Co. Dublin E122:11008**
Excavations at Christchurch Place, 1972-76. Late 11th century.
 Blade now bent 30mm from point, probably convex-sided; probable socket, corroded and splitting.
 L: (67) E: 45 R: 9 W: 5 T: 5
- 575 Dublin, Co. Dublin E122:11123**
Excavations at Christchurch Place, 1972-76. Early 11th century.
 Blade of rectangular section; socket corroded, splitting and ragged; base possibly missing.
 L: (57) E: 33 W: 5 T: 4 D: 9
- 576 Dublin, Co. Dublin E122:11212**
Excavations at Christchurch Place, 1972-76. 1st half 11th century.
 Socket slightly bent, blocked with corrosion and/or traces of wooden shaft.
 L: 78 E: 47 W: 5 T: 5 D: 8 Wt: 13
- 577 Dublin, Co. Dublin E122:11262**
Excavations at Christchurch Place, 1972-76. Late 11th century.
 Blade apparently convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 48 E: 27 R: 6 W: 5 T: 4 D: 7 Wt: 3
- 578 Dublin, Co. Dublin E122:12149**
Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.
 Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 98 E: 48 R: 10 W: 6 T: 6 D: 10 Wt: 12

579 Dublin, Co. Dublin E122:12381

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Socket slightly flattened, open for 9mm above base.

L: 76 (75) E: 35 (34) R: 5 W: 5 T: 5 D: 12 Wt: 8

580 Dublin, Co. Dublin E122:12461

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade slightly convex-sided.

L: 57 E: 25 R: 4 W: 4 T: 4 D: 7 Wt: 4

581 Dublin, Co. Dublin E122:12526

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Only stump of socket survives.

L: (55) E: 39 W: 4 T: 3 D: 6 Wt: 3

582 Dublin, Co. Dublin E122:12624

Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.

Blade slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 80 E: 49 R: 7 W: 4 T: 3 D: 9 Wt: 5

583 Dublin, Co. Dublin E122:13091

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade slightly convex-sided; socket open for 5mm above base.

L: 92 E: 41 R: 13 W: 6 T: 5 D: 11 Wt: 11

584 Dublin, Co. Dublin E122:13121

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

L: 63 E: 35 W: 4 T: 3 D: 8 Wt: 4

585 Dublin, Co. Dublin E122:13281

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

L: 65 E: 40 W: 4 T: 4 D: 9 Wt: 7

586 Dublin, Co. Dublin E122:13390

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Blade convex-sided.

L: 102 E: 47 R: 17 W: 5 T: 5 D: 12 Wt: 15

587 Dublin, Co. Dublin E122:13391

Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.

Socket ragged and probably incomplete at base.

L: (62) E: 40 R: 4 W: 4 T: 3 D: 9 (7) Wt: 2

588 Dublin, Co. Dublin E122:13700

Excavations at Christchurch Place, 1972-76. Late 11th century.

Blade convex-sided; socket open for 15mm above base; has nail hole opposite forging seam 7mm above base.

L: 82 E: 41 R: 11 W: 5 T: 5 D: 9 Wt: 9

589 Dublin, Co. Dublin E122:13823

Excavations at Christchurch Place, 1972-76. 2nd half 11th century.

Blade corroded and mostly missing; socket blocked with corrosion and/or traces of wooden shaft.

L: (47) E: 19 W: 5 T: 4 D: 9

590 Dublin, Co. Dublin E122:13876

Excavations at Christchurch Place, 1972-76. 11th century.

Socket blocked with corrosion and/or traces of wooden shaft; encrusted and expanded at base.

L: 51 E: 30 W: 4 T: 3 D: 8 (9) Wt: 4

591 Dublin, Co. Dublin E122:13923

Excavations at Christchurch Place, 1972-76. Mid/late 11th century.

Blade of rectangular section; socket open for 3mm above base.

L: 60 E: 32 W: 5 T: 5 D: 9 Wt: 7

592 Dublin, Co. Dublin E122:14105

Excavations at Christchurch Place, 1972-76. Late 11th century.

Not seen but illustrated in Finds Register. Socket broken near base.

L: (35)

593 Dublin, Co. Dublin E122:14147

Excavations at Christchurch Place, 1972-76. Late 11th century.

Very small blade, missing point; base of socket ragged.

L: 35 (34) E: 14 (13) W: 4 T: 3 D: 8 Wt: 3

- 594 Dublin, Co. Dublin E122:14303**
Excavations at Christchurch Place, 1972-76. 3rd quarter 11th century.
 Very corroded.
 L: 56 (53) E: 34 (31) W: 6 T: 5 D: 9 Wt: 5
- 595 Dublin, Co. Dublin E122:14504**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Corroded. Socket mostly missing.
 L: 51 E: 31 W: 4 T: 4 D: 10 Wt: 4
- 596 Dublin, Co. Dublin E122:14683**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Socket crudely forged; butted seam only barely closed.
 L: 72 E: 41 W: 4 T: 4 D: 9 Wt: 6
- 597 Dublin, Co. Dublin E122:14698**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Blade of rectangular section, convex-sided; base of socket incomplete.
 L: (80) E: 47 R: 7 W: 5 T: 3 D: 9 Wt: 7
- 598 Dublin, Co. Dublin E122:14836**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Blade of rectangular section.
 L: 59 E: 35 W: 5 T: 4 D: 8 Wt: 4
- 599 Dublin, Co. Dublin E122:14883**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Thin blade of rectangular section, convex-sided.
 L: 41 E: 24 R: 4 W: 3 T: 2 D: 6 Wt: 2
- 600 Dublin, Co. Dublin E122:15050**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Blade of rectangular section.
 L: 57 E: 33 W: 5 T: 4 D: 9 Wt: 5
- 601 Dublin, Co. Dublin E122:15153**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Blade of lozenge section, convex-sided; twisting of socket clearly visible, extending partly onto blade.
 L: 76 E: 36 R: 13 W: 5 T: 5 D: 6 Wt: 8

602 Dublin, Co. Dublin E122:15184

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Small blade of rectangular section; socket open for 13mm above base; has nail hole opposite forging seam, 3mm above base.

L: 36 E: 17 W: 3 T: 2 D: 7 Wt: 2

603 Dublin, Co. Dublin E122:15310

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Blade convex-sided; socket relatively long, blocked with corrosion and/or traces of wooden shaft.

L: 74 E: 36 R: 6 W: 5 T: 5 D: 8 Wt: 7

604 Dublin, Co. Dublin E122:15423

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Socket blocked with corrosion and/or traces of wooden shaft; base incomplete.

L: 73 E: 40 W: 6 T: 5 D: 9 Wt: 9

605 Dublin, Co. Dublin E122:15684

Excavations at Christchurch Place, 1972-76. 2nd quarter 11th century.

Blade of rectangular section; clear shoulders at junction with socket, on broad faces.

L: 76 E: 43 R: 3 W: 6 T: 5 D: 10 Wt: 8

606 Dublin, Co. Dublin E122:16027

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Socket crudely forged, open for 6mm above base.

L: 65 (64) E: 32 (31) W: 5 T: 4 D: 10 Wt: 7

607 Dublin, Co. Dublin E122:16028

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Very corroded. Blade missing point; socket ragged at base; traces of wooden shaft visible.

L: (66) E: 42 (40) W: 5 T: 5 D: 9 Wt: 6

608 Dublin, Co. Dublin E122:16172

Excavations at Christchurch Place, 1972-76. 2nd quarter 11th century.

Very corroded. Blade missing point; much of base of socket missing.

L: (72) E: 46 W: 6 T: 5 (4) D: 9

- 609 Dublin, Co. Dublin E122:16664**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Blade slightly convex-sided; socket open throughout; base incomplete.
 L: 75 (74) E: 33 R: 8 W: 4 T: 4 D: 11 Wt: 8
- 610 Dublin, Co. Dublin E122:16867**
Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.
 Very corroded. Blade missing point; socket blocked with corrosion and/or traces of wooden shaft.
 L: 75 E: 45 W: 5 T: 5 D: 9
- 611 Dublin, Co. Dublin E122:16868**
Excavations at Christchurch Place, 1972-76. 4th quarter 11th century.
 Blade of rectangular section; socket partly open.
 L: 52 E: 28 R: 2 W: 5 T: 4 D: 8 Wt: 5
- 612 Dublin, Co. Dublin E122:18400**
Excavations at Christchurch Place, 1972-76. Late 11th century.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 64 E: 38 W: 5 T: 4 D: 8 Wt: 5
- 613 Dublin, Co. Dublin E122:18457**
Excavations at Christchurch Place, 1972-76. 2nd half 11th century.
 Corroded. Socket blocked with corrosion and/or traces of wooden shaft.
 L: 63 E: 32 W: 5 (7) T: 5 (6) D: 9 (12)
- 614 Dublin, Co. Dublin E122:18548**
Excavations at Christchurch Place, 1972-76. Mid-11th century.
 Short blade, probably missing point.
 L: 36 (35) E: 19 (18) W: 3 T: 3 D: 7 Wt: 2
- 615 Dublin, Co. Dublin E132:24951**
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Very long blade, now bent; socket blocked with corrosion and/or traces of wooden shaft; base probably missing.
 L: (212) E: 169 W: 4 T: 4 D: 8 Wt: 20
- 616 Dublin, Co. Dublin E132:34566**
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Blade now in two pieces, which do not join, of rectangular section.

L: (80) E: 49 W: 6 T: 5 D: 11 Wt: 10

617 Dublin, Co. Dublin E132:37687

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Socket blocked with corrosion and/or traces of wooden shaft; much of base missing.

L: 85 E: 57 W: 5 T: 4 D: 9 Wt: 8

618 Dublin, Co. Dublin E132:37714

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Socket blocked with corrosion and/or traces of wooden shaft.

L: 83 E: 57 W: 5 T: 5 D: 10 Wt: 9

619 Dublin, Co. Dublin E132:37850

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Corroded. Blade of rectangular section; socket mostly missing.

L: (79) E: 55 R: 9 W: 6 T: 5 D: 8 Wt: 11

620 Dublin, Co. Dublin E132:51521

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade convex-sided, missing point; socket broken and incomplete at base.

L: (56) E: 31 (30) R: 8 W: 4 T: 4 D: 9 (8) Wt: 4

621 Dublin, Co. Dublin E132:51677

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Very corroded. Blade missing point; socket now in two pieces, blocked with corrosion and/or traces of wooden shaft.

L: 96 (94) E: 67 (65) W: 4 T: 4 D: 9

622 Dublin, Co. Dublin E132:52635

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade of lozenge section; socket blocked with corrosion and/or traces of wooden shaft.

L: 67 E: 45 W: 6 T: 5 D: 8 Wt: 5

623 Dublin, Co. Dublin E132:95457

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 90 E: 63 W: 4 T: 4 D: 11 Wt: 8

- 624 Dublin, Co. Dublin E132:97236**
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Corroded and in two pieces. Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 59 E: 28 R: 16 W: 4 T: 4 D: 9 WT: 4
- 625 Dublin, Co. Dublin E132:99601**
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Blade of rectangular section, missing point; socket mostly missing.
 L: (61) E: 35 W: 5 T: 4 D: 8
- 626 Dublin, Co. Dublin E132:108478** Fig. 26
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Blade very long, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 164 E: 95 R: 25 W: 7 T: 6 D: 10 Wt: 20
- 627 Dublin, Co. Dublin E132:302909**
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Blade almost parallel-sided, missing point; socket open for 9mm above base; blocked with corrosion and/or traces of wooden shaft.
 L: 44 (41) E: 26 (23) W: 3 T: 2 D: 8 Wt: 3
- 628 Dublin, Co. Dublin E132:**
Excavations at Wood Quay, 1974-76. 1st half 13th century.
 Long blade, convex-sided; socket corroded, blocked with corrosion and/or traces of wooden shaft.
 L: 110 E: 68 R: 11 W: 5 T: 5 D: 11
- 629 Dublin, Co. Dublin E141:154**
Excavations at Fishamble St, 1974-76.
 Blade slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 72 E: 39 R: 9 W: 4 T: 3 D: 8 Wt: 5
- 630 Dublin, Co. Dublin E141:186**
Excavations at Fishamble St, 1974-76.
 Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 56 E: 32 R: 2 W: 4 T: 4 D: 8 Wt: 5

- 631 Dublin, Co. Dublin E141:196**
Excavations at Fishamble St, 1974-76.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 50 E: 32 W: 3 T: 3 D: 7 Wt: 3
- 632 Dublin, Co. Dublin E141:1011**
Excavations at Fishamble St, 1974-76.
 Blade corroded, probably missing point; socket has pair of nail holes 5mm above base.
 L: 47 (45) E: 26 (24) W: 3 T: 3 D: 8 Wt: 3
- 633 Dublin, Co. Dublin E141:1018**
Excavations at Fishamble St, 1974-76.
 Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 81 E: 34 R: 15 W: 4 T: 3 D: 9 (11) Wt: 8
- 634 Dublin, Co. Dublin E141:1020**
Excavations at Fishamble St, 1974-76.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 72 E: 48 W: 4 T: 4 D: 9 Wt: 5
- 635 Dublin, Co. Dublin E141:1099**
Excavations at Fishamble St, 1974-76.
 Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 75 E: 39 R: 5 W: 5 T: 4 D: 10 Wt: 7
- 636 Dublin, Co. Dublin E141:1162**
Excavations at Fishamble St, 1974-76.
 Base of socket ragged and incomplete.
 L: (56) E: 35 W: 4 T: 4 D: 8 Wt: 4
- 637 Dublin, Co. Dublin E141:1253**
Excavations at Fishamble St, 1974-76.
 Blade straight-sided, very encrusted.
 L: 87 E: 54 W: 5 T: 5 D: 10 Wt: 8
- 638 Dublin, Co. Dublin E141:1355**
Excavations at Fishamble St, 1974-76.
 Blade of lozenge section, convex-sided; socket corroded, now in two pieces, blocked with corrosion and/or traces of wooden shaft.

L: 77 E: 35 R: 14 W: 5 T: 4 D: 10 Wt: 7

639 Dublin, Co. Dublin E141:1454

Excavations at Fishamble St, 1974-76.

Small, narrow blade, straight-sided; short socket, base ragged.

L: 50 (48) E: 29 W: 4 T: 3 D: 7

640 Dublin, Co. Dublin E141:1469

Excavations at Fishamble St, 1974-76.

Very small blade, straight-sided; socket ragged and broken at base.

L: (39) E: 20 W: 3 T: 3 D: (6) Wt: 2

641 Dublin, Co. Dublin E141:2428

Excavations at Fishamble St, 1974-76. Mid/late 10th century.

Long blade, convex-sided, now bent 13mm from point; socket blocked with corrosion and/or traces of wooden shaft.

L: 100 (95) E: 63 (57) R: 18 W: 4 T: 3 D: 8 Wt: 8

642 Dublin, Co. Dublin E141:2452

Excavations at Fishamble St, 1974-76. Late 10th century.

Blade of lozenge section, slightly convex-sided; socket ragged, blocked with traces of wooden shaft.

L: 93 E: 46 R: 11 W: 5 T: 5 D: 11 Wt: 9

643 Dublin, Co. Dublin E141:2461

Excavations at Fishamble St, 1974-76. Late 10th century.

Blade convex-sided, missing point; folding seam slightly open for full length of socket.

L: 62 E: 30 R: 10 W: 4 T: 3 D: 7 Wt: 5

644 Dublin, Co. Dublin E141:2504

Excavations at Fishamble St, 1974-76. Late 10th century.

Blade strongly convex-sided; socket has nail hole opposite forging seam, 2mm above base.

L: 101 E: 38 R: 25 W: 8 T: 8 D: 12 Wt: 19

645 Dublin, Co. Dublin E141:4087

Excavations at Fishamble St, 1974-76.

Socket blocked with corrosion and/or traces of wooden shaft.

L: 53 E: 30 W: 4 T: 3 D: 7 Wt: 4

646 Dublin, Co. Dublin E141:4089

Excavations at Fishamble St, 1974-76.

Blade of lozenge section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 75 E: 35 R: 12 W: 4 T: 3 D: 8 Wt: 4

647 Dublin, Co. Dublin E141:4104

Excavations at Fishamble St, 1974-76.

Corroded. Blade missing point and bent near present end.

L: (41) E: 22 W: 3 T: 2 D: 7 Wt: 2

648 Dublin, Co. Dublin E141:4339

Excavations at Fishamble St, 1974-76.

Blade straight-sided; socket largely missing; traces of wooden shaft visible.

L: (78) E: 46 W: 4 T: 4 D: 9 Wt: 7

649 Dublin, Co. Dublin E148:249

Excavations at Fishamble St, 1975-76. 11th/12th century.

Blade of rectangular section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base ragged and incomplete.

L: (103) E: 62 R: 11 W: 7 T: 6 D: 12 Wt: 22

650 Dublin, Co. Dublin E148:254

Excavations at Fishamble St, 1975-76. 11th/12th century.

Very corroded. Long blade; socket blocked with corrosion and/or traces of shaft.

L: 141 E: 89 W: 10 T: 10 D: 15 Wt: 35

651 Dublin, Co. Dublin E148:615

Excavations at Fishamble St, 1975-76. 11th/12th century.

Blade almost parallel-sided; only stump of socket survives.

L: (50) E: 26 R: 8 W: 4 T: 4 D: 7 Wt: 4

652 Dublin, Co. Dublin E148:630

Excavations at Fishamble St, 1975-76. 11th/12th century.

Blade slightly convex-sided.

L: 97 E: 57 R: 9 W: 4 T: 3 D: 9 Wt: 7

- 653 Dublin, Co. Dublin E148:1255**
Excavations at Fishamble St, 1975-76. 11th/12th century.
 Socket broken at base, blocked with traces of wooden shaft; nail hole near base.
 L: (77) E: 37 W: 5 T: 5 D: 10 Wt: 11
- 654 Dublin, Co. Dublin E148:1416**
Excavations at Fishamble St, 1975-76. 11th century.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 57 E: 32 W: 4 T: 4 D: 8 Wt: 6
- 655 Dublin, Co. Dublin E172:207**
Excavations at Fishamble St, 1977-80. Late 11th/12th century.
 Blade convex-sided; narrow socket.
 L: 53 E: 17 R: 13 W: 4 T: 4 D: 8 Wt: 4
- 656 Dublin, Co. Dublin E172:370**
Excavations at Fishamble St, 1977-80. Mid/late 11th century.
 Socket incomplete at base.
 L: (95) E: 55 W: 8 T: 7 D: 14 Wt: 22
- 657 Dublin, Co. Dublin E172:370**
Excavations at Fishamble St, 1977-80. Mid/late 11th century.
 Blade slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 64 E: 40 W: 4 T: 4 D: 9 Wt: 5
- 658 Dublin, Co. Dublin E172:386**
Excavations at Fishamble St, 1977-80. 11th century.
 Socket blocked with corrosion and/or traces of wooden shaft.
 L: 65 E: 37 W: 4 T: 4 D: 10 (9) Wt: 7
- 659 Dublin, Co. Dublin E172:926**
Excavations at Fishamble St, 1977-80. Mid/late 11th century.
 Very corroded. Blade of lozenge section; only stump of socket survives.
 L: (60) E: 46 W: 3 T: 3 D: 6 Wt: 5
- 660 Dublin, Co. Dublin E172:2374**
Excavations at Fishamble St, 1977-80. 11th/12th century.
 Blade of rectangular section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base incomplete.

L: (63) E: 32 R: 13 W: 6 T: 3 D: 8 Wt: 6

661 Dublin, Co. Dublin E172:2498

Excavations at Fishamble St, 1977-80. Mid-11th century.

Completely disintegrated due to corrosion.

662 Dublin, Co. Dublin E172:4112

Excavations at Fishamble St, 1977-80. 11th century.

Blade slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base ragged and incomplete.

L: (71) E: 39 R: 8 W: 4 T: 3 D: 7 Wt: 7

663 Dublin, Co. Dublin E172:5348

Excavations at Fishamble St, 1977-80. 12th century.

Blade of rectangular section, missing point; socket blocked with corrosion and/or traces of wooden shaft; base ragged.

L: 57 (54) E: 25 (22) R: 8 W: 5 T: 3 D: 8 Wt: 5

664 Dublin, Co. Dublin E172:5357

Excavations at Fishamble St, 1977-80. 12th century.

Very corroded. Blade of indeterminate section, missing point; socket blocked with corrosion and/or traces of wooden shaft.

L: (50) E: 25 W: 5 T: 5 D: 9

665 Dublin, Co. Dublin E172:5612

Excavations at Fishamble St, 1977-80. Mid-11th century.

Socket blocked with corrosion and/or traces of wooden shaft.

L: 69 E: 36 R: 4 W: 5 T: 5 D: 9 Wt: 7

666 Dublin, Co. Dublin E172:5648

Excavations at Fishamble St, 1977-80. Mid-11th century.

Very corroded. Blade now in two pieces, of rectangular section; point bent and probably incomplete; base of socket ragged and incomplete.

L: (60) E: 38 W: 6 T: 4 D: 9 Wt: 6

667 Dublin, Co. Dublin E172:6034

Excavations at Fishamble St, 1977-80. Early 11th century.

Blade of rectangular section, missing point; socket blocked with corrosion and/or traces of wooden shaft.

L: 53 (51) E: 29 (27) W: 6 T: 4 D: 9 Wt: 5

668 Dublin, Co. Dublin E172:6111

Fig. 27

Excavations at Fishamble St, 1977-80. Early/mid-11th century.

Blade convex-sided; socket open near base; has nail hole opposite forging seam 7mm above base.

L: 105 (104) E: 49 (48) R: 11 W: 9 T: 9 D: 12 Wt: 18

669 Dublin, Co. Dublin E172:6301

Excavations at Fishamble St, 1977-80. 11th century.

Very corroded. Socket now in two pieces; blocked with corrosion and/or traces of wooden shaft.

L: 81 E: 55 W: 4 T: 4 D: 9 Wt: 9

670 Dublin, Co. Dublin E172:6577

Excavations at Fishamble St, 1977-80. c.1000.

Narrow socket, blocked with corrosion and/or traces of wooden shaft.

L: 54 E: 29 W: 4 T: 4 D: 6 Wt: 4

671 Dublin, Co. Dublin E172:6643

Excavations at Fishamble St, 1977-80. c.1000.

Blade probably of rectangular section, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 77 E: 33 R: 8 W: 8 T: 6 D: 10 Wt: 9

672 Dublin, Co. Dublin E172:9032

Excavations at Fishamble St, 1977-80. c.1000.

Socket blocked with corrosion and/or traces of wooden shaft.

L: 67 E: 42 W: 5 T: 5 D: 12 Wt: 9

673 Dublin, Co. Dublin E172:9764

Excavations at Fishamble St, 1977-80. Uncontexted.

Short blade, convex-sided.

L: 52 E: 23 W: 3 T: 3 D: 8 Wt: 4

674 Dublin, Co. Dublin E172:11466

Excavations at Fishamble St, 1977-80. Early 11th century.

Blade missing point; socket open for most of its length.

L: 78 (76) E: 46 (44) W: 4 T: 4 D: 8 Wt: 7

675 Dublin, Co. Dublin E172:12226

Excavations at Fishamble St, 1977-80. Late 10th century.

Blade of lozenge section; socket blocked with corrosion and/or traces of wooden shaft; open for 8mm above base.

L: 73 E: 51 W: 5 T: 4 D: 7 Wt: 5

676 Dublin, Co. Dublin E173:600

Excavations at John's Lane, 1978-79. 11th/12th century.

Socket blocked with corrosion and/or traces of wooden shaft; base broken, possibly incomplete.

L: 76 E: 48 W: 3 T: 3 D: 8 Wt: 5

677 Dublin, Co. Dublin E173:3160

Excavations at John's Lane, 1978-79. 11th/12th century.

Long blade of lozenge section, convex-sided; socket now in two pieces, one very ragged and corroded.

L: (158) E: 74 R: 29 W: 8 T: 5 D: 16 Wt: 25

678 Dublin, Co. Dublin E173:3259

Excavations at John's Lane, 1978-79. 11th/12th century.

Blade of rectangular section; socket slightly open for 9mm above base.

L: 55 E: 28 W: 4 T: 3 D: 8 Wt: 3

679 Dublin, Co. Dublin E173:3409

Excavations at John's Lane, 1978-79. 11th/12th century.

Very corroded. Blade convex-sided, bent near point; socket blocked with corrosion and/or traces of wooden shaft.

L: 82 E: 41 R: 12 W: 7 T: 6 D: 9 Wt: 10

680 Dublin, Co. Dublin E173:3497

Excavations at John's Lane, 1978-79. 11th/12th century.

Very corroded. Only stump of socket survives, blocked with traces of wooden shaft.

L: (71) E: 48 W: 4 T: 4 D: 9 (7) Wt: 6

681 Dublin, Co. Dublin E173:3538

Excavations at John's Lane, 1978-79. 11th/12th century.

Socket blocked with corrosion and/or traces of wooden shaft; base ragged.

L: 56 (55) E: 24 (23) R: 7 W: 5 T: 5 D: 8 Wt: 4

682 Dublin, Co. Dublin E173:3564

Excavations at John's Lane, 1978-79. 11th century.

Socket blocked with corrosion and/or traces of wooden shaft; base broken.

L: 89 E: 56 W: 6 T: 6 D: 12 Wt: 13

683 Dublin, Co. Dublin E173:3685

Excavations at John's Lane, 1978-79. 11th/12th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base broken.

L: 67 E: 33 R: 11 W: 5 T: 4 D: 7 Wt: 6

684 Dublin, Co. Dublin E173:3733

Excavations at John's Lane, 1978-79. 11th century.

Blade now bent 15mm from point; socket blocked with corrosion and/or traces of wooden shaft.

L: 78 E: 40 R: 9 W: 6 T: 5 D: 9 Wt: 7

685 Dublin, Co. Dublin E173:3860

Excavations at John's Lane, 1978-79. Probably 11th century.

Blade of lozenge section; socket blocked with corrosion and/or traces of wooden shaft; base ragged.

L: (80) E: 56 W: 9 T: 8 D: 9 Wt: 15

686 Dublin, Co. Dublin E173:3949

Excavations at John's Lane, 1978-79. 11th century.

Short blade, convex-sided; socket ragged and slightly open at base.

L: 45 E: 24 W: 4 T: 4 D: 7 Wt: 2

687 Dublin, Co. Dublin E173:4000 Fig. 27

Excavations at John's Lane, 1978-79. 11th century.

Blade slightly convex-sided; narrow socket.

L: 80 E: 55 R: 2 W: 4 T: 3 D: 7 Wt: 6

688 Dublin, Co. Dublin E173:4163

Excavations at John's Lane, 1978-79. 11th century.

Blade of rectangular section.

L: 69 (68) E: 28 (27) R: 12 W: 5 T: 4 D: 9 Wt: 6

689 Dublin, Co. Dublin E173:4269

Excavations at John's Lane, 1978-79. 11th/12th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft; base incomplete.

L: 78 E: 33 R: 8 W: 5 T: 4 D: 13 Wt: 10

690 Dublin, Co. Dublin E190:88

Excavations at Fishamble St, 1980-81. Late 11th/12th century.

Blade convex-sided; socket ragged at base.

L: 73 E: 44 R: 5 W: 6 T: 6 D: 10 Wt: 8

691 Dublin, Co. Dublin E190:669

Excavations at Fishamble St, 1980-81. Late 11th century.

Blade of thick lozenge section, convex-sided, with pronounced waist at junction with socket; socket ragged and broken at base.

L: (75) E: 42 R: 6 W: 6 T: 5 D: 9 Wt: 6

692 Dublin, Co. Dublin E190:936

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft; broken at base.

L: 71 E: 34 R: 9 W: 4 T: 4 D: 9 Wt: 6

693 Dublin, Co. Dublin E190:1224

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade missing point.

L: 71 (69) E: 48 (46) W: 5 T: 4 D: 10 Wt: 6

694 Dublin, Co. Dublin E190:1566

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade convex-sided.

L: 88 E: 44 R: 14 W: 5 T: 5 D: 10 Wt: 9

695 Dublin, Co. Dublin E190:1625

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade of rectangular section; socket ragged and broken at base.

L: 62 E: 34 W: 5 T: 3 D: 8 Wt: 4

696 Dublin, Co. Dublin E190:1668

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade of rectangular section, convex-sided.

L: 77 E: 42 W: 5 T: 4 D: 11 Wt: 9

697 Dublin, Co. Dublin E190:1739

Excavations at Fishamble St, 1980-81. Early 11th century.

Socket broken along entire length of forging seam.

L: 67 E: 38 W: 4 T: 4 D: 10 Wt: 11

698 Dublin, Co. Dublin E190:1760

Excavations at Fishamble St, 1980-81. c.1000.

Blade of rectangular section, convex-sided; socket very corroded and mostly missing.

L: 81 E: 28 R: 14 W: 7 T: 5 Wt: 11

699 Dublin, Co. Dublin E190:1945

Excavations at Fishamble St, 1980-81. c.1000.

Blade slightly convex-sided.

L: 72 E: 45 R: 6 W: 4 T: 3 D: 9 Wt: 8

700 Dublin, Co. Dublin E190:2586

Excavations at Fishamble St, 1980-81. Early 11th century.

Socket partly blocked with corrosion and/or traces of wooden shaft.

L: 76 E: 45 W: 5 T: 5 D: 10 Wt: 9

701 Dublin, Co. Dublin E190:2770

Excavations at Fishamble St, 1980-81. Late 10th century.

Long blade, missing point; socket blocked with corrosion and/or traces of wooden shaft.

L: 128 (126) E: 75 (73) W: 6 T: 6 D: 12 Wt: 19

702 Dublin, Co. Dublin E190:3358 * Fig. 27

Excavations at Fishamble St, 1980-81. c.1000.

Blade of square section, strongly tapered, but changes to thick lozenge section at junction with socket; relatively short socket, almost parallel-sided.

L: 85 (84) E: 35 (34) R: 23 W: 8 T: 8 D: 8 Wt: 15

703 Dublin, Co. Dublin E190:3414

Excavations at Fishamble St, 1980-81. c.1000.

Blade convex-sided; socket broken along full length of forging seam.

L: 64 E: 30 R: 9 W: 4 T: 4 D: 9 Wt: 4

704 Dublin, Co. Dublin E190:3788

Excavations at Fishamble St, 1980-81. c.1000.

Blade of rectangular section; largely open forging seam runs diagonally around socket, which is broken at base.

L: 114 E: 70 W: 6 T: 4 D: 12 Wt: 14

705 Dublin, Co. Dublin E190:4081

Excavations at Fishamble St, 1980-81. Early/mid-11th century.

Blade of rectangular section, slightly shouldered; socket partly open at base.

L: 62 E: 31 R: 8 W: 6 T: 4 D: 7 Wt: 4

706 Dublin, Co. Dublin E190:4222

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade convex-sided; only short part of socket remains, but probably not much longer originally.

L: (43) E: 23 R: 11 W: 4 T: 3 D: 6 (4) Wt: 3

707 Dublin, Co. Dublin E190:4226

Excavations at Fishamble St, 1980-81. Early/mid-11th century.

Very corroded. Socket broken at base.

L: 82 E: 55 W: 5 T: 5 D: 10 Wt: 8

708 Dublin, Co. Dublin E190:4331

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade of rectangular section; socket has large ragged gap for 15mm from base, which is ragged and incomplete.

L: 70 (68) E: 34 (33) R: 3 W: 5 T: 4 D: 9 Wt: 6

709 Dublin, Co. Dublin E190:4331

Excavations at Fishamble St, 1980-81. Early 11th century.

Blade convex-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 107 E: 61 R: 13 W: 6 T: 6 D: 10 Wt: 14

- 710 Dublin, Co. Dublin E190:6003**
Excavations at Fishamble St, 1980-81. Late 10th century.
 Blade convex-sided, missing point; socket ragged at base.
 L: 78 (67) E: 34 (23) R: 16 W: 4 T: 4 D: 8 Wt: 8
- 711 Dublin, Co. Dublin E190:6360**
Excavations at Fishamble St, 1980-81. 2nd half 10th century.
 Blade strongly convex-sided; socket relatively long, blocked with corrosion and/or traces of wooden shaft.
 L: 100 E: 42 R: 24 W: 6 T: 6 D: 8 Wt: 15
- 712 Dublin, Co. Dublin E190:7001**
Excavations at Fishamble St, 1980-81. c.1000.
 Very corroded.
 L: 63 E: 41 W: 7 T: 6 D: 9 Wt: 6
- 713 Dublin, Co. Dublin E190:7415** Fig. 27
Excavations at Fishamble St, 1980-81. 2nd half 10th century.
 Blade shouldered; socket open for 6mm above base; has nail hole opposite forging seam, 4mm above base.
 L: 81 E: 42 R: 11 W: 5 T: 5 D: 7 Wt: 8
- 714 Dublin, Co. Dublin E191:659**
Found about 12feet below surface in street cuttings at Werburgh St., 1856.
 Blade straight-sided with abrupt point; relatively long socket, open for 25mm from base, retains traces of wooden shaft.
 L: 97 E: 47 W: 5 T: 5 D: 11 Wt: 8
- 715 Dublin, Co. Dublin E296:45721** Fig. 24
Excavations at Dublin Castle, 1984-86. 13th/14th century.
 Blade straight-sided but waisted at junction with socket, of lozenge section; socket displays possible forging seam on one side, blocked with corrosion and/or traces of wooden shaft.
 L: 66 E: 38 R: 3 W: 5 T: 5 D: 8 Wt: 4
- 716 Dublin, Co. Dublin E476:2007**
Excavations at 5-12 High St, 1989. Late 12th century.
 Short blade, convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 59 E: 25 R: 5 W: 4 T: 4 D: 9

717 Dublin, Co. Dublin 1887:100

Found in 19th century street cuttings near Christchurch Cathedral.

Blade convex-sided; socket displays clear forging seam on one side.

L: 90 E: 32 R: 20 W: 7 T: 6 D: 11 Wt: 15

718 Dublin, Co. Dublin 1887:101

Found in 19th century street cuttings near Christchurch Cathedral.

Corroded. Blade straight-sided, missing point; socket displays probable forging seam on one side.

L: (66) E: (16) R: 10 W: 5 T: 5 D: 9 Wt: 8

719 Dublin, Co. Dublin 92E30:188

Excavations at Christchurch Place, 1992.

Long blade, straight-sided but waisted at junction with socket; socket slightly flattened, displays forging seam on one side; two nails remain in socket at base, running at an angle immediately above one another, one protruding on one side.

L: 204 (202) E: 140 (138) R: 9 W: 8 T: 8 D: 15

720 Dublin, Co. Dublin

"Found with Arrow 1887 in City Ditch near Plunket St"

Long blade, straight-sided but waisted at junction with socket; socket incomplete and split in two parts, which are recurved.

L: 125 (119) E: 75 R: 13 W: 12 T: 12

721 Probably Dublin, Co. Dublin

Probably found in City Ditch near Plunket St, 1887"

Blade straight-sided; socket blocked with corrosion and/or traces of wooden shaft.

L: 63 E: 38 W: 5 T: 5 D: 8

722 Dunamase or Park, Co. Laois 93E150:21

Excavations at Dunamase castle, 1993-97. Early 14th century onwards.

Blade slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft, partly broken at base.*

L: 118 E: 61 R: 12 W: 5 T: 5 D: 12 Wt: 15

723 Dunamase or Park, Co. Laois 93E150:22

Excavations at Dunamase castle, 1993-97. Early 14th century onwards.

Blade convex-sided; socket broken at base.

L: 118 E: 73 R: 6 W: 5 T: 5 D: 11 Wt: 14

- 724 Dunamase or Park, Co. Laois 93E150:67** Fig. 26
Excavations at Dunamase castle, 1993-97. Uncontexted.
 Long blade, straight-sided, slightly bent; socket damaged and incomplete, blocked with corrosion and/or traces of wooden shaft.
 L: (166) E: 128 (124) W: 5 T: 5 D: (10)
- 725 Dunamase or Park, Co. Laois 93E150:138**
Excavations at Dunamase castle, 1993-97. Post-1350.
 Blade, convex-sided, but now slightly bent, of lozenge section; socket blocked with corrosion and/or traces of wooden shaft.
 L: 114 E: 59 R: 27 W: 8 T: 6 D: 10
- 726 Dunamase or Park, Co. Laois 93E150:166** Fig. 26
Excavations at Dunamase castle, 1993-97. Mid-13th century.
 Long blade, slightly convex-sided; socket blocked with corrosion and/or traces of wooden shaft.
 L: 174 E: 120 R: 13 W: 7 T: 5 D: 10 Wt: 20
- 727 Dunamase or Park, Co. Laois 93E150:337**
Excavations at Dunamase castle, 1993-97. 13th/first half 14th century.
 Long blade, straight-sided but waisted at junction with socket; point missing; socket relatively short.
 L: (107) E: (75) R: 5 W: 6 T: 6 D: 10 Wt: 15
- 728 Dunamase or Park, Co. Laois 93E150:666**
Excavations at Dunamase castle, 1993-97. Mid-13th century.
 Long, narrow blade, straight-sided, slightly bent at point.
 L: 138 E: 106 W: 5 T: 5 D: 10 Wt: 12
- 729 Dunamase or Park, Co. Laois 93E150:1044**
Excavations at Dunamase castle, 1993-97. 14th century or later.
 Blade straight-sided, bent near centre; socket damaged and incomplete at base, blocked with corrosion and/or traces of wooden shaft.
 L: (114) E: 84 (81) W: 5 T: 5 D: (9)
- 730 Dunamase or Park, Co. Laois 93E150:2479** Fig. 26
Excavations at Dunamase castle, 1993-97. Mid-13th century.
 Long blade, straight-sided but waisted at junction with socket, bent near point; socket damaged at base.
 L: 165 (160) E: 110 (105) R: 7 W: 6 T: 6 D: 11 Wt: 22

- 731 Dunamase or Park, Co. Laois 93E150:2488**
Excavations at Dunamase castle, 1993-97. Late 13th/first half 14th century.
 Blade convex-sided, waisted at junction with socket; relatively short socket.
 L: 98 E: 67 R: 8 W: 6 T: 6 D: 11 Wt: 18
- 732 Dunamase or Park, Co. Laois 93E150:2527**
Excavations at Dunamase castle, 1993-97. Mid-/late 13th century.
 Blade convex-sided, of lozenge section; socket corroded and flaking, blocked with corrosion and/or traces of wooden shaft.
 L: 114 E: 58 R: 16 W: 10 T: 9 D: 11 (13)
- 733 Dunamase or Park, Co. Laois 93E150:2811** Fig. 27
Excavations at Dunamase castle, 1993-97. Late 13th/first half 14th century.
 Long, narrow blade, straight-sided, slightly bent; socket blocked with corrosion and/or traces of wooden shaft.
 L: 165 E: 119 (117) R: 5 W: 5 T: 4 D: 9 Wt: 18
- 734 Dunamase or Park, Co. Laois 93E150:4442**
Excavations at Dunamase castle, 1993-97. 13th/first half 14th century.
 Blade straight-sided, bent near centre, of lozenge section; socket very slender, but base missing.
 L: (82) E: 61 (58) W: 6 T: 5 D: (7)
- 735 Dunamase or Park, Co. Laois 93E150:5032** Fig. 24
Excavations at Dunamase castle, 1993-97. Post-medieval.
 Very short blade, convex-sided, almost pyramidal, with strongly tapering entry and short run; socket relatively long, very ragged at base.
 L: (41) E: 12 R: 3 W: 6 T: 6 D: 11 Wt: 4
- 736 Ervey, Co. Meath 1957:87**
Found on a crannóg, 1957.
 Corroded. Blade straight-sided, slightly waisted at junction with socket, missing point; socket relatively long, broken at base.
 L: 119 (109) E: 62 (52) R: 5 W: 7 T: 7 D: 15
- 737 Ferns, Co. Wexford E107:774C (i)**
Excavations at Ferns castle, 1972-75. Late 13th/early 14th century.
 Very corroded. Blade of indeterminate outline and section.
 L: (73)
 Sweetman, 'Archaeological excavations at Ferns castle', p.237.

738 Ferns, Co. Wexford E107:774C (ii)

Excavations at Ferns castle, 1972-75. Late 13th/early 14th century.

Very corroded. Socket and fragment of blade, of indeterminate outline and section.

L: (36) D: 10

Sweetman, 'Archaeological excavations at Ferns castle', p.237.

739 Ferns, Co. Wexford E107:1281

Excavations at Ferns castle, 1972-75. Late 13th/early 14th century.

Corroded. Short blade, straight-sided but waisted at junction with socket (the waisting exaggerated by corrosion); socket broken at base.

L: (53) E: (19) R: 6 W: 9 T: 6 D: (9)

Sweetman, 'Archaeological excavations at Ferns castle', p.237; Fig10:2.

740 Greencastle, Co. Down EHS Fig. 24

Excavations at Greencastle, Co. Down, 1971. Probably 14th/15th century.

Short, pyramidal blade, straight-sided with straight, flat base with pseudo-barbs at each corner; socket displays possible nail hole near base; blocked with corrosion and/or traces of wooden shaft.

L: 48 E: 27 R: 1 W: 5 T: 4 D: 8

741 Greencastle, Co. Down EHS Fig. 24

Excavations at Greencastle, Co. Down, 1971. Probably 14th/15th century.

Short, pyramidal blade, straight-sided with straight, flat base with pseudo-barbs at each corner; socket displays faint, incised herringbone decoration on outer surface and a nail near base; blocked with remains of wooden shaft.

L: 52 E: 34 R: 1 W: 4 T: 4 D: 8

742 Greencastle, Co. Down EHS Fig. 24

Excavations at Greencastle, Co. Down, 1971. Probably 14th/15th century.

Corroded. Short, narrow pyramidal blade, straight-sided with straight, flat base with pseudo-barbs at each corner; socket of faceted, probably octagonal section; blocked with corrosion and/or traces of wooden shaft.

L: 57 E: 38 R: 1 W: 4 T: 4 D: 7

743 Greencastle, Co. Down EHS Fig. 27

Excavations at Greencastle, Co. Down, 1971. Probably 14th/15th century.

Corroded. Long blade, straight-sided, now bent; socket almost undifferentiated from blade, displays forging seam on one side and retains portion of wooden shaft.

- 744** Possibly **Inchbófin, Co. Westmeath** 1969:714A Fig. 24
Possibly found in church ruins, Inchbófin, Lough Ree, 1911-12.
Relatively thick blade, straight-sided, slightly waisted at junction with socket; socket ragged at base.
L: (108) E: 56 R: 9 W: 7 T: 7 D: 17 Wt: 32+
- 745** **Kilmainham, Co. Dublin** Wk.18 Fig. 24
Found near Kilmainham in the cutting of the G.S & W. Railway, 1842-48.
Corroded. Blade straight-sided, now bent and rather ragged; socket undifferentiated from blade, broken at base.
L: 118 E: 88 W: 6 T: 5 D: 9 (11)
- 746** **Limerick, Co. Limerick** E534:1529
Excavations at King John's Castle, 1990. c.1175-1200.
Blade straight-sided, waisted at junction with socket; socket displays ovoid nail hole opposite forging seam.
L: 128 E: 85 R: 6 W: 8 T: 8 D: 12
- 747** **Limerick, Co. Limerick** E534:4051
Excavations at King John's Castle, 1990. Uncontexted.
Very corroded. Short blade; socket almost undifferentiated from blade, displays probable rivet hole near base.
L: 48 (46) E: 28 (26) W: 8 T: 8 D: 8
- 748** **"Lough Revel", Co. Antrim** UM 1077/11
Apparently found on a crannóg.
Very corroded. Long blade, straight-sided, of rectangular section with concave faces; socket almost undifferentiated from blade, of rectangular section but may have been rounded nearer base, which is missing.
L: (156) E: 120 W: 10 T: 9
- 749** **Loughpark, Co. Galway** E54:56
Excavations at Loughpark crannóg, 1913. ? 13th century.
Long blade, probably straight-sided, now bent and ragged; socket fragmentary, undifferentiated from socket, ragged at base and along forging seam, and displays a possible nail hole near base.
L: (172) E: 125 W: 7 T: 7 D: 12
R.A.S. Macalister, E.C.R. Armstrong and R.L. Praeger, 'The excavation of Lochpairc crannog, near Tuam', *Proceedings of the Royal Irish Academy* 32C

(1914-16), Pl. XVII: Fig. 4; J. Lyttleton, 'Loughpark "crannog" revisited', *Journal of the Galway Archaeological and Historical Society* **50** (1998), 165; Fig. 7, Pl. 2.

750 Loughpark, Co. Galway E54:57

Excavations at Loughpark crannóg, 1913. ? 13th century.

Long blade, probably straight-sided, now bent and ragged; socket undifferentiated from socket.

L: (177) E: 144 W: (4) T: (4) D: (9)

Macalister, Armstrong and Praeger, 'Lochpaire crannog', Pl. XVII: Fig. 2;

Lyttleton, 'Loughpark "crannog" revisited', 165; Fig. 7, Pl. 2.

751 Lurgankeel, Co. Louth E55:182

Excavations at Lurgankeel motte, 1964. ?Late 12th/early 13th century.

Corroded. Fragment of blade, straight-sided, now bent; socket fragmentary, probably undifferentiated from blade, blocked with corrosion and/or traces of wooden shaft.

L: (140) E: 99 W: 5 T: 5 D: 10

752 Lurgankeel, Co. Louth E55:254

Excavations at Lurgankeel motte, 1964. ?Late 12th/early 13th century.

Blade convex-sided, missing point; relatively long, fragmentary socket, retaining part of wooden shaft, 9mm in diameter.

L: (86) E: (24) R: 12 W: 5 T: 5 D: 10

753 Moylurg, Co. Antrim 1905:168

Excavations at Moylurg crannóg, 1893.

Blade convex-sided, missing point; relatively long socket, fragmentary at base.

L: 98 (93) E: 38 (33) R: 10 W: 4 T: 4 D: 11

G.R. Buick, 'The crannog of Moylurg', *Journal of the Royal Society of Antiquaries of Ireland* **24** (1894), p. 322; illustrated p. 321, Fig. 1.

754 Muckenagh, Co. Westmeath

Found with a metal detector at Muckenagh castle.

Corroded. Blade straight-sided; relatively short socket, ragged at base and along forging seam.

L: 115 E: 91 (89) W: 4 T: 4 D: 11

- 755 Newtown, Co. Wexford E352:703**
Excavations at Ferrycarrig ringwork, 1986-87. Late 12th/early 13th century.
 Corroded. Short, thick blade, probably straight-sided but abruptly waisted at junction with socket, of thick lozenge section; relatively long socket.
 L: 65 E: 35 R: 2 W: (13) T: (9) D: 12
- 756 Rathduff (Madden), Co. Kilkenny E110:1385**
Excavations at Kells Augustinian priory, 1972-75.
 Corroded. Long, narrow blade, straight-sided but now bent; only small fragment of socket survives.
 L: (131) E: 126 W: 4 T: 4
- 757 Rathduff (Madden), Co. Kilkenny E110:3556**
Excavations at Kells Augustinian priory, 1972-75. 1193-1540.
 Very corroded. Large blade, convex-sided, missing point; relatively long socket, fragmentary at base.
 L: 175 (169) E: 85 (79) R: 23 W: 8 T: 8 D: 15
- 758 Rathmullan Lower, Co. Down EHS 78/231 Fig. 27**
Excavations at Rathmullan motte, 1978.
 Large blade, straight-sided, missing tip of point; socket undifferentiated from blade and possibly incomplete at base.
 L: 150 (148) E: 107 (105) W: 8 T: 7 D: 13
- 759 Strahard, Co. Laois 1990:83**
Found with a metal detector, 1989.
 Large blade, convex-sided; relatively short socket, broken at base.
 L: 152 E: 90 R: 17 W: 8 T: 8 D: 14 Wt: 38
- 760 Near Strokestown, Co. Roscommon Wk.(S)4**
19th century find on one of the Strokestown crannógs.
 Blade straight-sided but slightly waisted at junction with socket; socket displays two nail holes near base; originally open along forging seam, now folded over.
 L: 114 E: 71 R: 10 W: 5 T: 5 D: (11) Wt: 15
- 761 Near Strokestown, Co. Roscommon Wk.(S)12 Fig. 24**
19th century find on one of the Strokestown crannógs.
 Very small blade, convex-sided with abrupt shouldered run; socket ragged at base.
 L: 33 E: 13 R: 2 W: 5 T: 4 D: 7

- 762** Near **Strokestown, Co. Roscommon** **Wk.(S)32**
19th century find on one of the Strokestown crannógs.
 Blade convex-sided; socket open along forging seam for 25mm.
 L: 115 E: 61 R: 12 W: 6 T: 6 D: 14 Wt: 23
- 763** Near **Strokestown, Co. Roscommon** **Wk.35**
19th century find on one of the Strokestown crannógs.
 Very narrow blade, straight-sided; socket broken on one side and possibly at base.
 L: 89 E: 66 W: 3 T: 3 D: 7 Wt: 4
- 764** Near **Strokestown, Co. Roscommon** **Wk.74; W.7**
19th century find on one of the Strokestown crannógs.
 Narrow blade, convex-sided, of thick lozenge section; only fragment of socket survives.
 L: (99) E: 57 R: 29 W: 5 T: 4 D: (5) Wt: 9
- 765** Near **Strokestown, Co. Roscommon** **Wk.76; W.12**
19th century find on one of the Strokestown crannógs.
 Long blade, slightly convex-sided; socket very ragged, incomplete and crushed.
 L: (143) E: 102 R: 8 W: 5 T: 5 D: 13 (11) Wt: 17
- 766** **Trim, Co. Meath** **95E77:112:1**
Excavations at Trim castle, 1995-97. 15th century.
 Straight-sided, narrow blade.
 L: 86 E: 47 W: 5 T: 5 D: 12 Wt: 11
- 767** **Trim, Co. Meath** **95E77:115:194**
Excavations at Trim castle, 1995-97. 15th century.
 Relatively short, slightly convex-sided blade; section obscured by corrosion.
 L: 68 E: 36 R: 8 W: 9 T: 7 D: 10 Wt: 10
- 768** **Trim, Co. Meath** **95E77:138:15**
Excavations at Trim castle, 1995-97. Later 14th/15th century.
 Narrow blade, straight-sided, now broken in two and bent near tip.
 L: 95 E: 65 W: 6 T: 6 D: 11 Wt: 16
- 769** **Trim, Co. Meath** **95E77:145:77**
Excavations at Trim castle, 1995-97. Mid-14th/15th century.
 Very corroded. Blade probably straight-sided.
 L: 92 E: 58 W: 7 T: 7 D: 12

- 770 Trim, Co. Meath 95E77:174:1**
Excavations at Trim castle, 1995-97. Later 13th century.
 Blade straight-sided.
 L: 89 E: 65 W: 8 T: 7 D: 12 Wt: 15
- 771 Trim, Co. Meath 95E77:218:1**
Excavations at Trim castle, 1995-97. 14th century.
 Very corroded. Blade straight-sided; section obscured by corrosion.
 L: 87 (85) E: 51 (49) W: 7 T: 7 D: 13 Wt: 14
- 772 Trim, Co. Meath 95E77:303:42** Fig. 27
Excavations at Trim castle, 1995-97. Later 12th/early 13th century.
 Blade straight-sided, of lozenge section.
 L: 90 E: 53 W: 6 T: 6 D: 11 Wt: 13
- 773 Trim, Co. Meath 95E77:311:13**
Excavations at Trim castle, 1995-97. c.1300.
 Very corroded. Blade straight-sided.
 L: 116 E: 84 W: 8 T: 7 D: 13 Wt: 20
- 774 Trim, Co. Meath 95E77:503:185**
Excavations at Trim castle, 1995-97. Later 14th century.
 Blade straight-sided, bent at point.
 L: 88 E: 56 W: 7 T: 7 D: 12 Wt: 15
- 775 Trim, Co. Meath 95E77:614:108**
Excavations at Trim castle, 1995-97. Uncontexted.
 Blade straight-sided.
 L: 91 E: 57 W: 7 T: 6 D: 13 Wt: 13
- 776 Trim, Co. Meath 95E77:614:312**
Excavations at Trim castle, 1995-97. Uncontexted.
 Very corroded. Blade slightly convex-sided, of lozenge cross-section; relatively short socket.
 L: 76 E: 54 W: 7 T: 6 D: 10 Wt: 9
- 777 Trim, Co. Meath 95E77:617:4**
Excavations at Trim castle, 1995-97. 15th century or later.
 Very long blade, slightly convex-sided and bent at point.
 L: 184 (182) E: 129 (131) R: 5 W: 9 T: 8 D: 14 Wt: 63

778 Trim, Co. Meath 95E77:664:2

Excavations at Trim castle, 1995-97. 14th century.

Long blade, straight-sided, of lozenge cross-section.

L: 124 E: 96 W: 7 T: 6 D: 10 Wt: 11

779 Trim, Co. Meath 95E77:672:21

Excavations at Trim castle, 1995-97. 14th century.

Very corroded; only socket and fragments of blade, of indeterminate section, survive.

L: (45) E: (23) D: 12

780 Trim, Co. Meath E94:2195

Excavations at Trim castle, 1971-74. 13th/14th century.

Very corroded. Blade straight-sided, missing point, of indeterminate section; socket open along forging seam, probably due to corrosion.

L: (50) E: (35) W: 7 T: 6 D: 12

Sweetman, 'Archaeological excavations at Trim castle', p. 177.

781 Trim, Co. Meath E94:2761

Excavations at Trim castle, 1971-74. Late 13th/mid-14th century.

Long blade, straight-sided but now bent and corroded near centre.

L: 153 E: 119 W: 4 T: 4 D: 11

Sweetman, 'Archaeological excavations at Trim castle', p. 177.

782 Trim, Co. Meath E94:3428

Excavations at Trim castle, 1971-74. Late 13th/mid-14th century.

Long blade, straight-sided, now broken in two parts; socket displays probable forging seam on one side, blocked with corrosion and/or traces of wooden shaft.

L: 181 E: 139 W: 5 T: 5 D: 11

Sweetman, 'Archaeological excavations at Trim castle', p. 177.

783 Trim, Co. Meath E94:3433

Excavations at Trim castle, 1971-74. Late 13th/mid-14th century.

Blade straight-sided, now broken and corroded at tip; socket displays forging seam on one side.

L: (72) E: (50) W: 4 T: 4 D: 11

Sweetman, 'Archaeological excavations at Trim castle', p. 177.

- 784 Trim, Co. Meath E94:5340** Fig. 27
Excavations at Trim castle, 1971-74. 13th century.
 Long blade, straight-sided but slightly waisted at junction with socket; socket incomplete, with shapeless fragment protruding from present base; displays forging seam on one side.
 L: (145) E: 111 R: 8 W: 5 T: 4 D: (9)
 Sweetman, 'Archaeological excavations at Trim castle', p. 177; Fig.23:5.
- 785 Waterford, Co. Waterford E343:5374:61**
Excavations at St Peter's church, 1986-87. Mid-12th century.
 Blade straight-sided but waisted at junction with socket; relatively long socket, undifferentiated from blade.
 L: 69 E: 33 W: 5 T: 4 D: 9
 Halpin, 'Archery material', p. 544; Fig. 15:26.16.
- 786 Waterford, Co. Waterford E343:5375:19**
Excavations at St Peter's church, 1986-87. Mid-12th century.
 Arrowhead found complete with wooden shaft (no. 7). Blade straight-sided; relatively long socket, undifferentiated from blade.
 L: 53 E: 23 W: 4 T: 4 D: 8
 Halpin, 'Archery material', p. 542; Fig. 15:26.12.
- 787 Waterford, Co. Waterford E406:187:20**
Excavations at Peter St/High St/Cook Lane, 1987-88. Late 12th/early 13th century.
 Blade straight-sided, probably originally undifferentiated from socket, but junction with socket now corroded and deformed.
 L: 109 E: 75 W: 5 T: 4 D: 10
 Halpin, 'Archery material', p. 545; Fig. 15:26.41.
- 788 Waterford, Co. Waterford E434:3069:13**
Excavations at Olaf St, 1988. Early 12th century.
 Small blade, straight-sided, missing point; socket undifferentiated from blade.
 L: 65 E: 38 W: 6 T: 6 D: 9
 Halpin, 'Archery material', p. 544; Fig. 15:26.15.
- 789 Waterford, Co. Waterford E434:3087:18**
Excavations at Olaf St, 1988. Early/mid-12th century.
 Relatively thick blade, straight-sided but waisted at junction with socket; relatively long socket, blocked with remains of wooden shaft.

L: 128 E: 70 R: 3 W: 9 T: 9 D: 13

Halpin, 'Archery material', p. 545; Fig. 15:26.43.

790 Waterford, Co. Waterford E435:1160:11 Fig. 26

Excavations at Bakehouse Lane, 1988. Mid-12th century.

Very long blade, straight-sided but now bent 40mm from point and waisted at junction with socket; relatively short, broad socket, most of which is now missing.

L: 199 E: 141 R: 3 W: 8 T: 8 D: c.16 Wt: 37

Halpin, 'Archery material', p. 545; Fig. 15:26.45.

791 Waterford, Co. Waterford E435:1161:30

Excavations at Bakehouse Lane, 1988. Mid-12th century.

Short blade, straight-sided but waisted at junction with socket; relatively long socket, blocked with corrosion.

L: 60 E: 30 R: 2 W: 5 T: 4 D: 8 Wt: 5

Halpin, 'Archery material', p. 544; Fig. 15:26.17.

792 Waterford, Co. Waterford E435:1161:32 Fig. 26

Excavations at Bakehouse Lane, 1988. Mid-12th century.

Very long blade, straight-sided but waisted at junction with socket; relatively short, broad socket.

L: 217 E: 159 R: 3 W: 9 T: 7 D: 16 Wt: 46

Halpin, 'Archery material', p. 545; Fig. 15:26.44.

793 Waterford, Co. Waterford E435:1170:7

Excavations at Bakehouse Lane, 1988. Mid-12th century.

Blade straight-sided; only remains of socket is an amorphous mass of concretion adhering to base of blade.

L: (135) E: 130 W: 9 T: 9

Halpin, 'Archery material', p. 545; Fig. 15:26.42.

794 Waterford, Co. Waterford E520:17:23

Excavations at Bakehouse Lane/Peter St, 1989. 13th century.

Short blade, straight-sided; socket undifferentiated from blade, blocked with corrosion and/or traces of wooden shaft.

L: 65 E: 39 W: 6 T: 6 D: 9

Halpin, 'Archery material', p. 544; Fig. 15:26.14.

795 Waterford, Co. Waterford E527:277:4

Excavations at Arundel Square, 1990. Mid/late 12th century.

Long blade, convex-sided, now slightly bent and missing point; low rounded moulding at junction with socket.

L: 143 (141) E: 70 (68) R: 26 W: 7 T: 7 D: 12

Halpin, 'Archery material', p. 545; Fig. 15:26.46.

796 Waterford, Co. Waterford E527:294:5

Excavations at Arundel Square, 1990. Mid/late 12th century.

Short blade, slightly convex-sided; socket relatively large at base, but very corroded.

L: 58 E: 20 R: 10 W: 5 T: 5 D: 10

Halpin, 'Archery material', p. 544; Fig. 15:26.18.

797 Waterford, Co. Waterford E527:310:4

Excavations at Arundel Square, 1990. Early/mid-12th century.

Short blade, straight-sided; socket probably undifferentiated from blade, but junction of blade and socket corroded.

L: 61 E: 34 W: 7 (5) T: 7 (5) D: 9

Halpin, 'Archery material', p. 544; Fig. 15:26.21.

798 Waterford, Co. Waterford E527:364:6

Excavations at Arundel Square, 1990. Mid/late 12th century.

Small, narrow blade, straight-sided but slightly waisted at junction with socket; socket incomplete at base.

L: 58 (56) E: 31 (29) R: 1 W: 5 T: 5 D: 7

Halpin, 'Archery material', p. 544; Fig. 15:26.20.

799 Waterford, Co. Waterford E527:465:2

Excavations at Arundel Square, 1990. Uncontexted.

Blade convex-sided; only stump of socket remains.

L: (88) E: 60 R: 16 W: 7 T: 7

Halpin, 'Archery material', p. 545; Fig. 15:26.37.

800 Waterford, Co. Waterford E527:782:32

Excavations at Arundel Square, 1990. Mid/late 12th century.

Blade straight-sided but slightly waisted at junction with socket; point broken; socket relatively long and large at base.

L: 85 (82) E: 34 (31) R: 7 W: 7 T: 7 D: 13

Halpin, 'Archery material', p. 544; Fig. 15:26.26.

801 Waterford, Co. Waterford E527:801:24

Excavations at Arundel Square, 1990. Late 11th/early 12th century.

Short, rather thick blade, straight-sided but strongly and abruptly waisted at junction with socket; socket very incomplete.

L: 62 (58) E: 29 R: 3 W: 8 T: 8 D: (9)

Halpin, 'Archery material', p. 544; Fig. 15:26.19.

802 Waterford, Co. Waterford E527:801:33

Excavations at Arundel Square, 1990. Late 11th/early 12th century.

Short blade, straight-sided but strongly waisted at junction with socket; socket blocked with corrosion and/or remains of wooden shaft.

L: 64 E: 28 R: 6 W: 8 T: 8 D: 8

Halpin, 'Archery material', p. 544; Fig. 15:26.22.

803 Waterford, Co. Waterford E527:858: 2

Excavations at Arundel Square, 1990. Late 11th/early 12th century.

Short blade, straight-sided but waisted at junction with socket; very long socket, quite large at base, displaying forging seam on one side and a copper alloy nail *in situ* near base.

L: 97 E: 27 R: 3 W: 8 T: 8 D: 14

Halpin, 'Archery material', p. 544; Fig. 15:26.27.

804 Waterford, Co. Waterford E527:1292: 6

Excavations at Arundel Square, 1990. Mid-12th century.

Blade convex-sided; socket ragged at base.

L: 72 E: 29 R: 10 W: 7 T: 7 D: 9

Halpin, 'Archery material', p. 544; Fig. 15:26.23.

805 Waterford, Co. Waterford E527:1339:14

Excavations at Arundel Square, 1990. Late 12th/early 13th century.

Short, narrow blade, straight-sided; socket undifferentiated from blade.

L: 63 E: 23 W: 5 T: 5 D: 8

Halpin, 'Archery material', p. 542-44; Fig. 15:26.13.

806 Waterford, Co. Waterford E527:1484:1

Excavations at Arundel Square, 1990. Mid-12th century.

Blade straight-sided but slightly waisted at junction with socket.

L: 80 E: 43 R: 5 W: 6 T: 5 D: 8

Halpin, 'Archery material', p. 544; Fig. 15:26.25.

807 Waterford, Co. Waterford E527:1638:2

Excavations at Arundel Square, 1990. Late 11th/early 12th century.

Blade convex-sided; socket incomplete at base.

L: 75 (73) E: 39 (37) R: 3 W: 6 T: 5 D: 9

Halpin, 'Archery material', p. 544; Fig. 15:26.24.

808 Unprovenanced Wk.69; W.4

Blade convex-sided; socket very ragged at base and along forging seam.

L: (81) E: 32 R: 9 W: 7 T: 6 D: 14

Probable Type 7 projectile heads

809 Dublin, Co. Dublin E43:1851

Excavations at High St, 1962-63.

Blade of rectangular section, now bent and twisted; socket crudely folded with largely open forging seam and nail hole opposite, 2mm above base.

L: 59 E: 33 W: 5 T: 3 D: 8 Wt: 6

810 Dublin, Co. Dublin E71:3576

Excavations at High St, 1967-72. 11th century.

Blade of lozenge section, convex-sided; only stump of socket survives.

L: (44) E: 32 R: 7 W: 4 T: 3

811 Dublin, Co. Dublin E71:6408

Excavations at High St, 1967-72. 11th century.

Large blade of thick lozenge section, strongly convex-sided; socket largely blocked with corrosion and/or traces of wooden shaft.

L: 128 E: 66 R: 27 W: 10 T: 9 D: 14 Wt: 31

812 Dublin, Co. Dublin E71:8477

Excavations at High St, 1967-72. ?11th century.

Short blade of rectangular section; socket crudely folded, base incomplete.

L: 52 E: 16 W: 5 T: 4 D: 10 Wt: 8

813 Dublin, Co. Dublin E81:5304

Excavations at Winetavern St, 1969-72. Mid-11th century.

Blade corroded; socket blocked with corrosion and/or traces of wooden shaft.

L: 44 E: 24 W: 6 (7) T: 5 (6) D: 9 Wt: 4

814 Dublin, Co. Dublin E122:11013

Excavations at Christchurch Place, 1972-76. 1st half 11th century.

Blade of rectangular section, strongly convex-sided; socket very corroded, appears almost to be solid.

L: 63 E: 22 R: 10 W: 6 T: 4 D: 11

815 Dublin, Co. Dublin E122:15204

Excavations at Christchurch Place, 1972-76. Mid-11th century.

Socket blocked with corrosion and/or traces of wooden shaft.

L: 60 E: 31 W: 5 T: 4 D: 9 Wt: 7

816 Dublin, Co. Dublin E132:50586

Excavations at Wood Quay, 1974-76. 1st half 13th century.

Blade missing point; socket blocked with corrosion and/or traces of wooden shaft.

L: 101 (100) E: 68 (67) W: 4 T: 4 D: 8 Wt: 9

817 Dublin, Co. Dublin E172:5915

Excavations at Fishamble St, 1977-80. 11th century.

Very corroded. Blade of indeterminate section, missing point; socket blocked with corrosion and/or traces of wooden shaft.

L: (39) E: 21 W: 5 T: 4 D: 8

818 Dublin, Co. Dublin E173:596

Excavations at John's Lane, 1978-79. 11th/12th century.

"Socket" now apparently solid but possible folding void visible at junction with blade.

L: 60 E: 25 W: 5 T: 5 D: 9 Wt: 5

819 Dublin, Co. Dublin E190:4100

Excavations at Fishamble St, 1980-81. Early/mid-11th century.

Blade now expanded and of rounded section at present point, probably due to corrosion; point missing; socket ragged and broken at base.

L: (82) E: 54 W: 5 T: 5 D: 9 Wt: 7

820 Dublin, Co. Dublin E190:4319

Excavations at Fishamble St, 1980-81. Early 11th century.

Probable bodkin blade of rectangular section, convex-sided, possibly an unfinished leaf-shaped blade; socket broken at base.

L: 62 E: 18 R: 14 W: 7 T: 4 D: 11 Wt: 7

821 Trim, Co. Meath 95E77:525:2

Excavations at Trim castle, 1995-97. Later 14th century.

Probable arrowhead blade. Straight, narrow blade of square cross-section, slightly convex-sided; socket missing.

L: 103 B: 96 W: 11 T: 10.

Possible Type 7 projectile heads

822 Dublin, Co. Dublin E71:4634

Excavations at High St, 1967-72. ?13th century.

Doubtful projectile head. Short, sharply tapering blade of rectangular section, shouldered at junction with socket; socket splays widely, very ragged, especially along forging seam; base ragged and incomplete; pair of nail holes near base.

L: 55 E: 17 R: 4 W: 8 T: 5 D: 15

823 Dublin, Co. Dublin E71:16840

Excavations at High St, 1967-72. Late 11th/early 12th century.

Blade of rectangular section with wide, blunt point; socket blocked with corrosion and/or traces of wooden shaft; base ragged.

L: (75) E: 38 R: 2 W: 7 T: 7 D: 9 Wt: 11

824 Dublin, Co. Dublin E81:4657

Excavations at Winetavern St, 1969-72. 11th century.

Broad blade of rectangular section, convex-sided; socket has large opening along forging seam for 15mm above base.

L: 67 E: 25 R: 14 W: 7 T: 3 D: 11 Wt: 9

825 Dublin, Co. Dublin E81:4768

Excavations at Winetavern St, 1969-72. 11th century.

Very small blade, convex-sided; socket flattened and split, base missing.

L: (34) E: 8 R: 6 W: 3 T: 3 D: 6 Wt: 2

826 Dublin, Co. Dublin E81:9121

Excavations at Winetavern St, 1969-72. 12th/13th century.

Blade of square section with chamfered corners; socket blocked with corrosion and/or traces of wooden shaft.

L: 117 E: 64 W: 7 T: 6 D: 14 Wt: 30

827 Dublin, Co. Dublin E122:9343

Excavations at Christchurch Place, 1972-76. 12th century.

Blade of rectangular section, shouldered at junction with socket; socket blocked with corrosion and/or traces of wooden shaft.

L: 67 E: 19 R: 9 W: 9 T: 8 D: 15 Wt: 16

828 Dublin, Co. Dublin E122:16294

Excavations at Christchurch Place, 1972-76. 2nd quarter 11th century.

Possible projectile head, straight-sided and undifferentiated, but very corroded; could alternatively be a nail with expanded head.

L: 66

829 Dublin, Co. Dublin E172:5613

Excavations at Fishamble St, 1977-80. Mid-11th century.

Possible projectile blade of square section with chamfered corners, convex-sided.

L: (54) E: 54 W: 7 T: 7 Wt: 18

830 Loughpark, Co. Galway E54:65

Excavations at Loughpark crannóg, 1913. ? 13th century.

Corroded. Blade probably straight-sided; socket almost undifferentiated from blade, displays ragged forging seam on one side, ragged and broken at base.

L: (85) E: 36 W: 6 T: 6 (4) D: 16 (14)

Type 8

Unless otherwise stated, all projectile heads can be taken to have short bodkin blades of square section and tapering sockets of round section.

831 Armagh, Co. Armagh EHS Fig. 29

Excavations at Market Street, Armagh, 1975. Uncontexted.

Crossbow bolt on portion of wooden shaft. Blade shouldered, now blunted at point; relatively long, broad socket, displaying two nail heads, one above the other, on one side.

L: 73 E: 27 R: 8 W: 6 T: 6 D: 15

832 Dunamase or Park, Co. Laois 93E150:322 Fig. 29

Excavations at Dunamase castle, 1993-97. Post-medieval.

Thick, sharply tapering blade, slightly convex-sided with short, abrupt run; relatively long socket blocked with corrosion and/or traces of wooden shaft.

L: 85 E: 33 R: 5 W: 10 (12) T: 10 D: 10

833 Trim, Co. Meath 95E77:501:69 Fig. 29

Excavations at Trim castle, 1995-97. Mid-14th/15th century.

Thick blade, convex-sided; relatively long socket, almost parallel-sided.

L: 81 E: 27 R: 9 W: 12 T: 12 D: 11 Wt: 23

834 Unprovenanced Wk.13; P954 Fig. 29

Leaf-shaped blade of thick lozenge section, with short entry and relatively long run; point blunted; socket broken along forging seam and incomplete at base.

L: 74 (72) E: 19 R: 19 W: 11 T: 9 D: 11 Wt: 17

Type 9

Unless otherwise stated, all projectile heads can be taken to have conical and tapering blades and sockets of round section.

835 Carrickfergus, Co. Antrim UM CF1-1056 Fig. 29

Excavations at Market Place, 1972~79. Uncontexted.

Very corroded. Short, bullet-shaped blade, almost undifferentiated from socket, now rather battered, presumably of round or quadrangular section originally; socket almost parallel-sided.

L: 38 E: 20 R: 4 W: 14 T: 13 D: 12

836 Trim, Co. Meath E94:4184 Fig. 29

Excavations at Trim castle, 1971-74. Uncontexted.

Short, tapering, straight-sided blade, undifferentiated from socket; of round section.

L: 34 E: 17 W: 7 T: 7 D: 9

837 Unprovenanced Wk.14;P1199 Fig. 29

Very short, shouldered blade of thick lozenge section; socket mostly missing, apparently quite broad at base, tapering strongly toward blade.

L: 40 E: 17 R: 5 W: 11 T: 9 D: 14

Unique or unclassifiable

- 838 Ardakillen, Co. Roscommon 1930:92** Fig. 29
Found on one of the Ardakillen crannógs.
Uncertain arrowhead. Short, very narrow triangular blade of thick lozenge section, now very ragged; long, tapering stem or socket of round section, either solid or blocked with corrosion, apparently plated with copper alloy near base.
L: (93) E: 32 W: 7 T: 5 D: (10) Wt: 19+
- 839 Dublin, Co. Dublin E81:5857**
Excavations at Winetavern St, 1969-72. Late 10th/early 11th century.
Socket of arrowhead on portion of wooden shaft, 215mm long; socket partly open on one side; blade missing.
L: (29)
- 840 Dublin, Co. Dublin E81:5943**
Excavations at Winetavern St, 1969-72. 1st half 11th century.
Tip of projectile head of Types 1, 2 or 4. Blade convex-sided, of flattened lozenge section.
L: (39) E: (39) W: (9) T: 4
- 841 Dublin, Co. Dublin E122:821**
Excavations at Christchurch Place, 1972-76.
Tip of broad blade, slightly convex sides, of flattened lozenge section.
L: (17) E: (17) W: (10) T: (3)
- 842 Dublin, Co. Dublin E122:1751**
Excavations at Christchurch Place, 1972-76.
Doubtful projectile head of Type 2 form, very corroded but now conserved. Narrow, leaf-shaped "blade", convex-sided, of very thin flattened lozenge section; traces of apparent socket at base.
L: (46) E: 30 (28) R: 4 W: (11) T: (2)
- 843 Dublin, Co. Dublin E122:5886**
Excavations at Christchurch Place, 1972-76. Probably late 11th century.
Blade of projectile head of Types 1 or 2. Shouldered blade, convex-sided with convex-sided run, slightly bent; stem and socket/tang missing.
L: (42) E: 29 R: 13 W: 14 T: 2

- 844 Dublin, Co. Dublin E122:5953**
Excavations at Christchurch Place, 1972-76. Late 11th century.
 Socket, presumably of an arrowhead; almost parallel-sided but swells markedly at one end, probably largely due to corrosion; remains of wooden shaft within socket.
 L: (39) D: 9
- 845 Dublin, Co. Dublin E141:264**
Excavations at Fishamble St, 1974-76.
 Tip of projectile head of Types 1, 2 or 4. Blade convex-sided, of flattened lozenge section.
 L: (31) E: (31) W: (14) T: (4)
- 846 Dublin, Co. Dublin E141:3679**
Excavations at Fishamble St, 1974-76. Late 10th/11th century.
 Tip of projectile head of Type 1, 2 or 4, or possibly of a spearhead. Long, narrow blade with convex sides, of flattened lozenge section.
 L: (54) E: (54) W: (15) T: (3)
- 847 Dublin, Co. Dublin E148:1421**
Excavations at Fishamble St, 1975-76.
 Tip of projectile head of Type 1 or 2, or possibly of spearhead; broad blade, convex-sided, becoming almost parallel-sided near present base; of flattened lozenge section.
 L: (36) E: (36) W: (21) T: (3)
- 848 Dublin, Co. Dublin E172:12936**
Excavations at Fishamble St, 1977-80.
 Blade fragment, triangular with convex sides, point missing, of flat lozenge section; straight break at base.
 L: (57) E: 63 (54) R: 3 W: 24 T: 5 Wt: (15)
- 849 Dublin, Co. Dublin E172:13783**
Excavations at Fishamble St, 1977-80.
 Possible unfinished projectile head of Type 1 or 2 form. Narrow, leaf-shaped blade, convex-sided, of flattened lozenge section; below this is a straight-sided stump of rectangular section, possibly an unfinished socket or tang.
 L: 54 E: 33 R: 5 W: 9 T: 4 Wt:

850 Dunamase or Park, Co. Laois 93E150:353

Excavations at Dunamase castle, 1993-97. Post-1350.

Probable socket of arrowhead, with short, shapeless stump of blade, obscured by corrosion but possibly of Type 7.

L: (51) E: (21) W: (12) T: (7) D: 11 (13)

851 Fanore (Beg or More), Co. Clare 1937:2618

Fig. 29

Found "in a pile of stones".

Very corroded. Leaf-shaped blade of thick, pointed oval section; relatively long socket of indeterminate section, very incomplete.

L: (98) E: 33 R: 21 W: (18) T: (10) D: (15)

852 "Lough Fea", Co. Monaghan 1959:208

Fig. 29

Apparently found at Lough Fea, 1854.

Corroded. Leaf-shaped blade of lozenge section; socket displays a nail hole near base; another may have been diametrically opposite, but base of socket is broken.

L: (76) E: 31 R: 8 W: 15 T: 8 D: 14

853 Waterford, Co. Waterford E527:1631:6

Excavations at Arundel Square, 1990. Late 11th century.

Short blade, parallel-sided but waisted at junction with socket, with flat, blunt end; apparently of square section with possible chamfered corners; socket displays one nail *in situ* near base.

L: 50 E: 13 R: 10 W: 6 T: 6 D: 7

Halpin, 'Archery material', p. 544; Fig. 15:26.28.

854 Unprovenanced Wk.79

Fig. 29

Broad, crescentic-shaped blade set transversely across socket; of triangular section, though almost flat at extremities; socket displays forging seam, soldered with copper alloy; traces of copper alloy plating also present on socket and blade.

L: 68 E: 2 R: 27 W: 63 T: 7 D: 15 Wt: 26

ILLUSTRATIONS

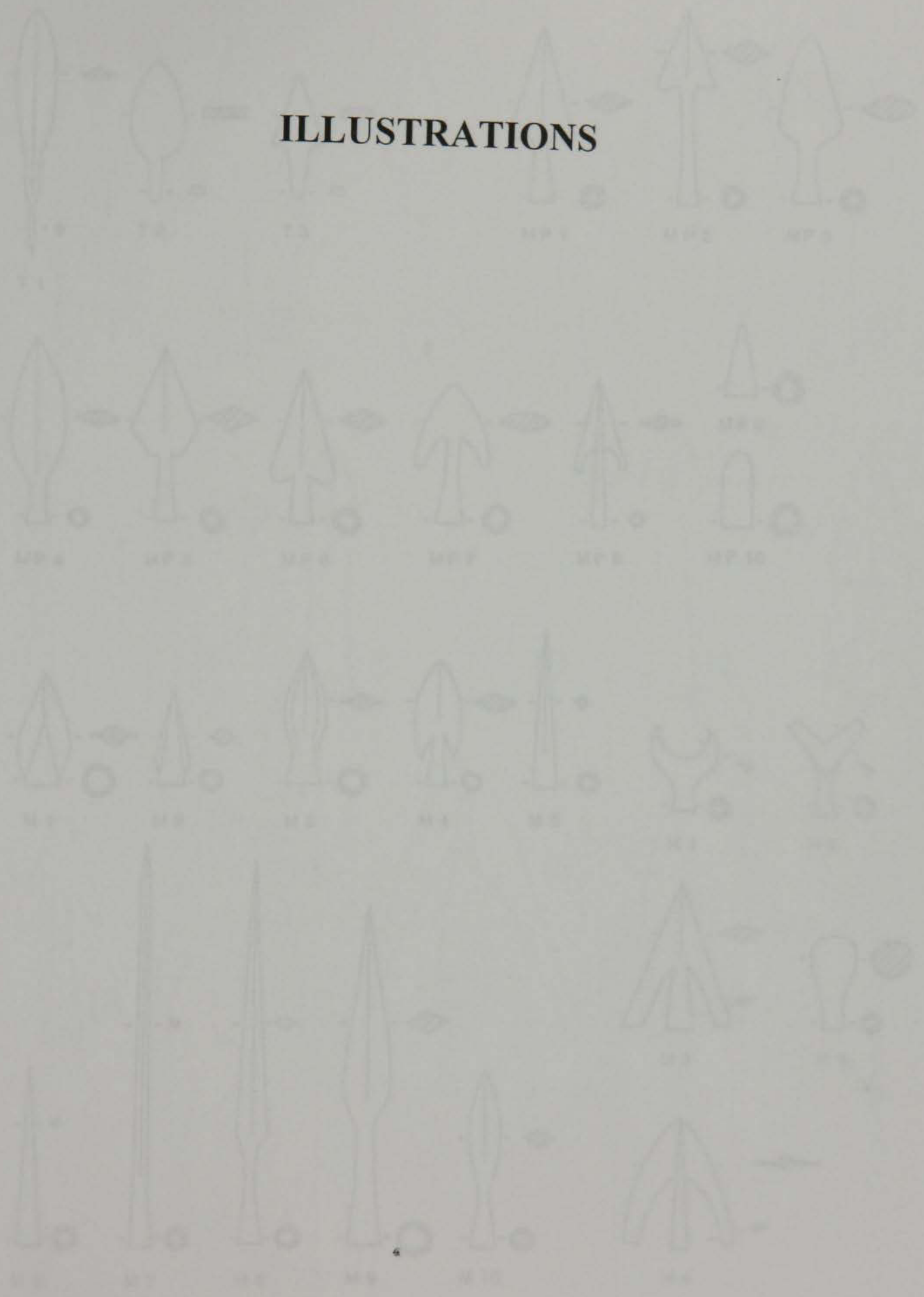


Figure 1: Joseph's (1996) typology of lithic arrowheads

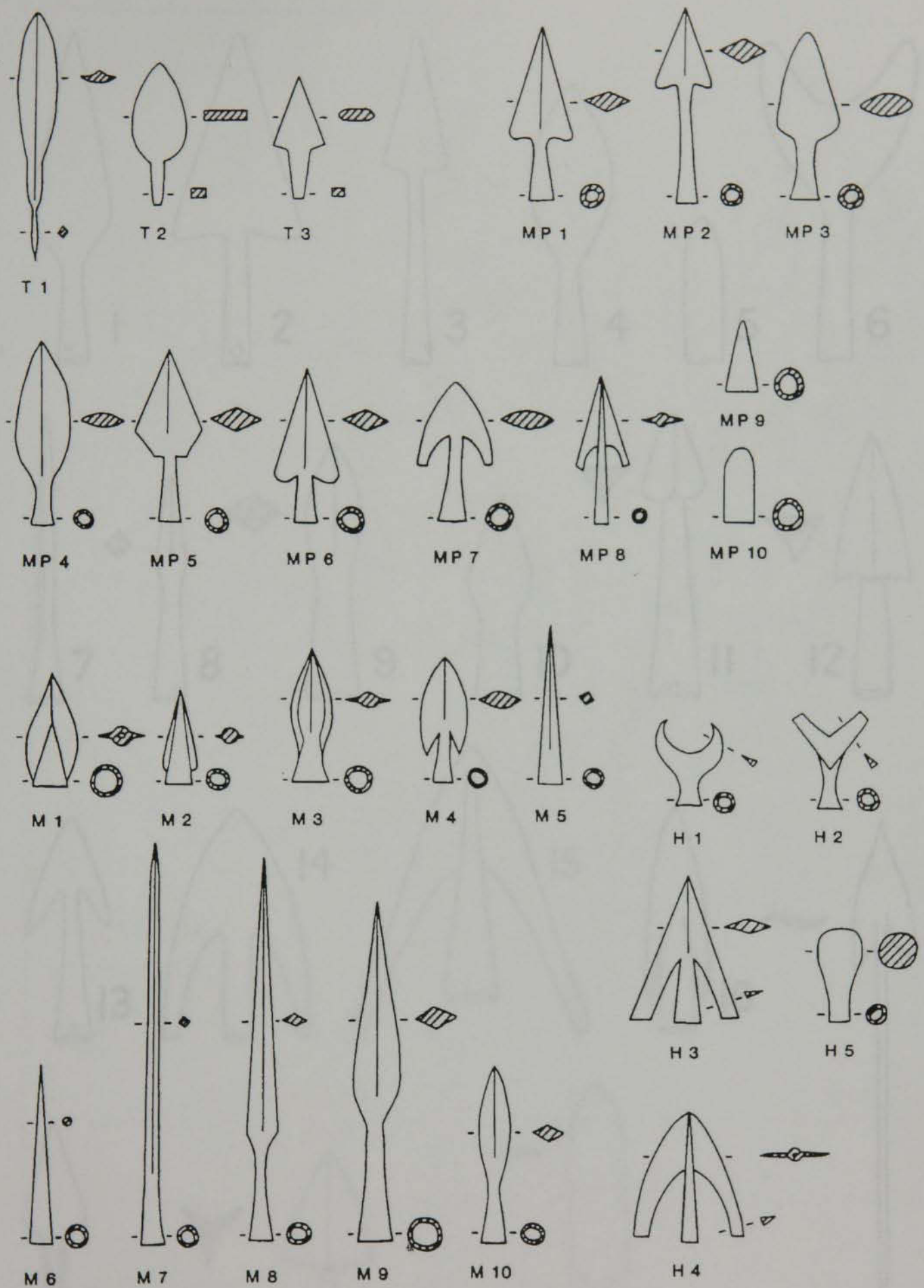


Figure 1 : Jessop's (1996) typology of British medieval arrowheads

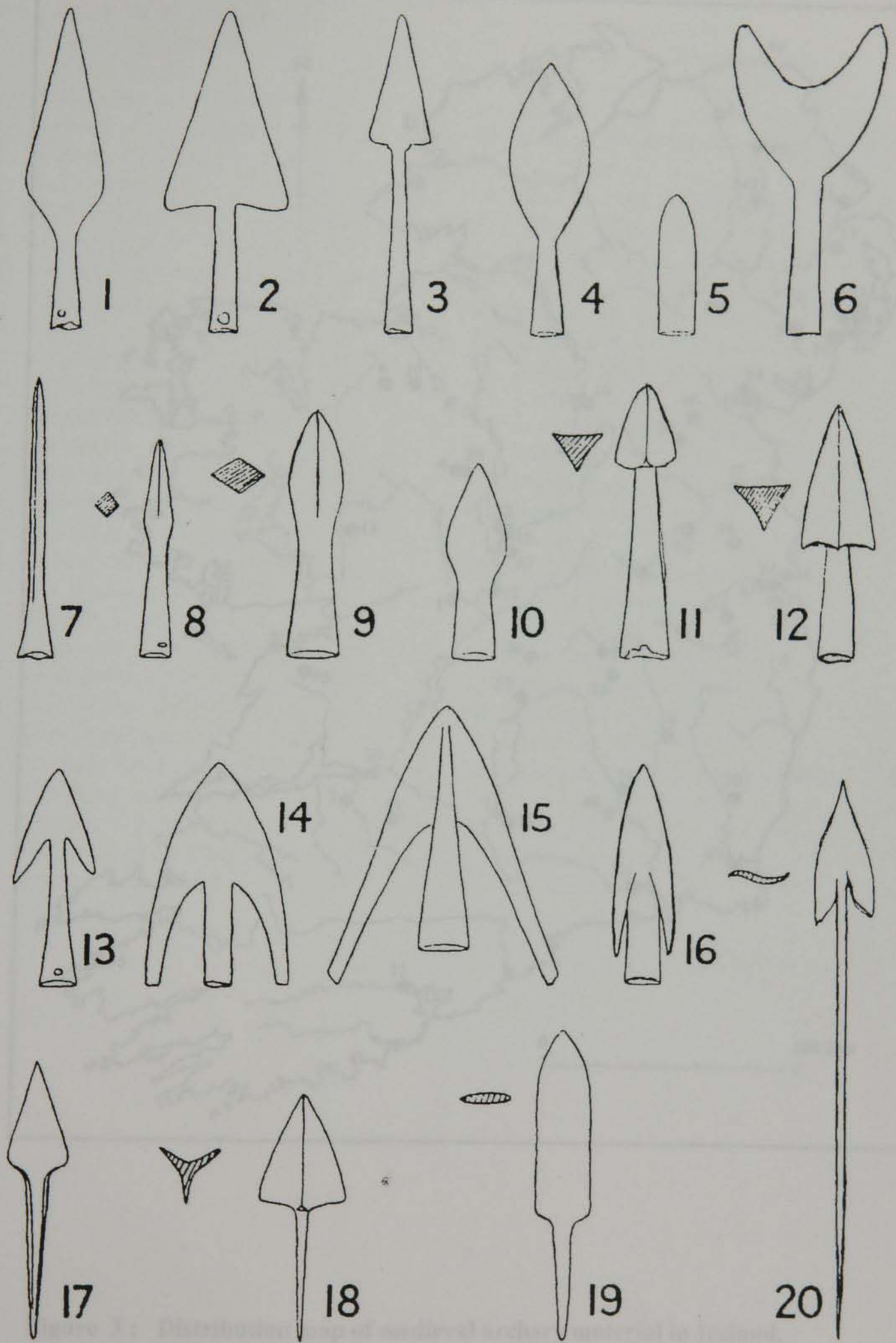


Figure 2: Ward-Perkins' (1940) typology of medieval arrowheads.

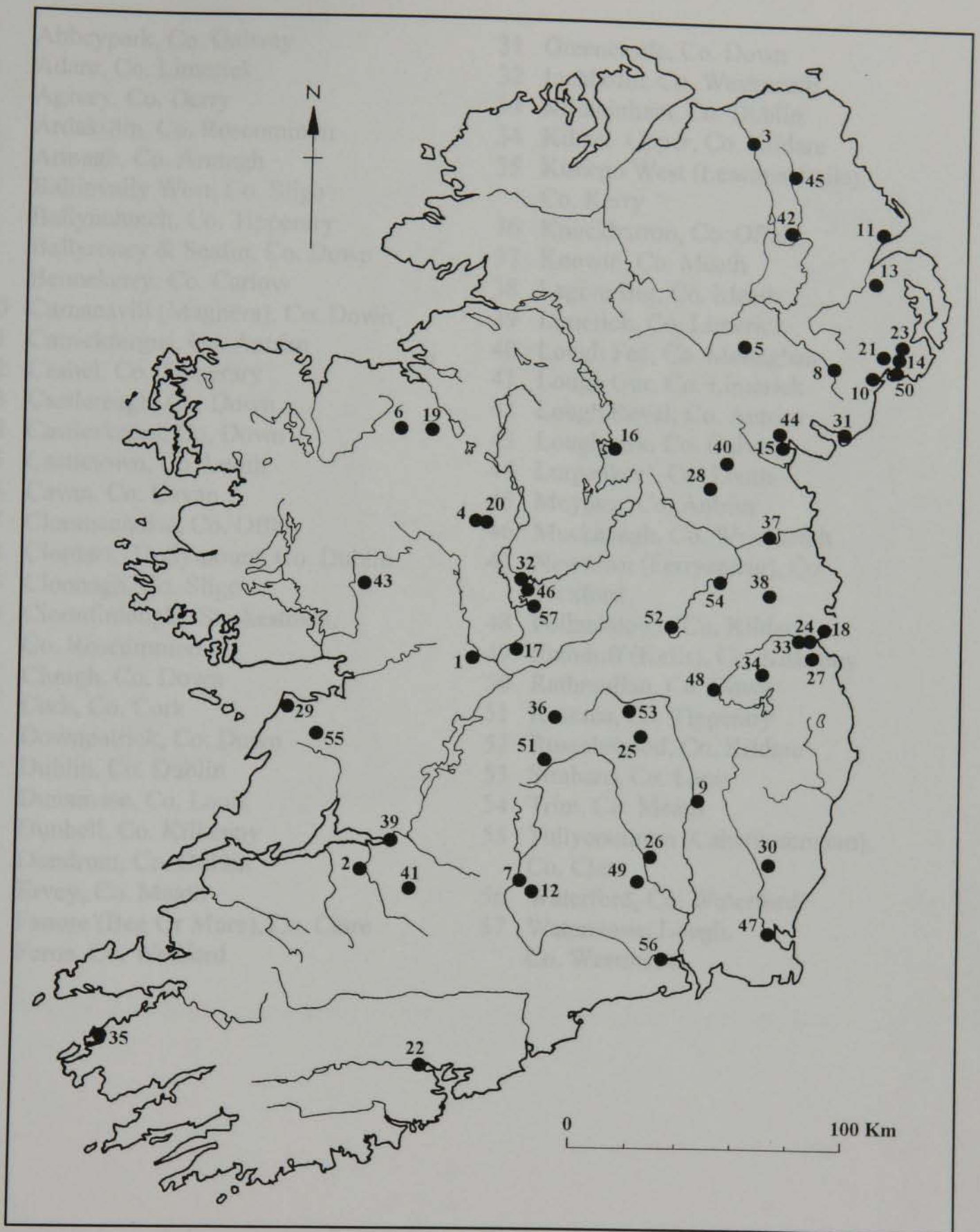


Figure 3 : Distribution map of medieval archery material in Ireland.
 (See overleaf for key to location numbers).

- | | | | |
|----|--|----|---|
| 1 | Abbeypark, Co. Galway | 31 | Greencastle, Co. Down |
| 2 | Adare, Co. Limerick | 32 | Inchbofin, Co. Westmeath |
| 3 | Agivey, Co. Derry | 33 | Kilmainham, Co. Dublin |
| 4 | Ardakillin, Co. Roscommon | 34 | Kilteel Upper, Co. Kildare |
| 5 | Armagh, Co. Armagh | 35 | Kimego West (Leacanabuaile),
Co. Kerry |
| 6 | Ballinvalley West, Co. Sligo | 36 | Knockbarron, Co. Offaly |
| 7 | Ballynahinch, Co. Tipperary | 37 | Knowth, Co. Meath |
| 8 | Ballyrone & Seafin, Co. Down | 38 | Lagore Big, Co. Meath |
| 9 | Bennekerry, Co. Carlow | 39 | Limerick, Co. Limerick |
| 10 | Carnacavill (Maghera), Co. Down | 40 | Lough Fea, Co. Monaghan |
| 11 | Carrickfergus, Co. Antrim | 41 | Lough Gur, Co. Limerick |
| 12 | Cashel, Co. Tipperary | 42 | Lough Revel, Co. Antrim |
| 13 | Castlereagh, Co. Down | 43 | Loughpark, Co. Galway |
| 14 | Castleskreen, Co. Down | 44 | Lurgankeel, Co. Louth |
| 15 | Castletown, Co. Louth | 45 | Moylurg, Co. Antrim |
| 16 | Cavan, Co. Cavan | 46 | Muckanagh, Co. Westmeath |
| 17 | Clonmacnoise, Co. Offaly | 47 | Newtown (Ferrycarrig), Co.
Wexford |
| 18 | Clontarf, Dollymount, Co. Dublin | 48 | Pollardstown, Co. Kildare |
| 19 | Cloonagh, Co. Sligo | 49 | Rathduff (Kells), Co. Kilkenny |
| 20 | Cloonfinlough, Strokestown,
Co. Roscommon | 50 | Rathmullan, Co. Down |
| 21 | Clough, Co. Down | 51 | Roscrea, Co. Tipperary |
| 22 | Cork, Co. Cork | 52 | Russelswood, Co. Kildare |
| 23 | Downpatrick, Co. Down | 53 | Strahard, Co. Laois |
| 24 | Dublin, Co. Dublin | 54 | Trim, Co. Meath |
| 25 | Dunamase, Co. Laois | 55 | Tullycommon (Cahercommaun),
Co. Clare |
| 26 | Dunbell, Co. Kilkenny | 56 | Waterford, Co. Waterford |
| 27 | Dundrum, Co. Dublin | 57 | Waterstown Lough,
Co. Westmeath |
| 28 | Ervey, Co. Meath | | |
| 29 | Fanore (Beg Or More), Co. Clare | | |
| 30 | Ferns, Co. Wexford | | |

Figure 4: Drawing by Albrecht Dürer of Irish warriors or gallioghann, dated 1521.

Figure 3 : Key to find locations.

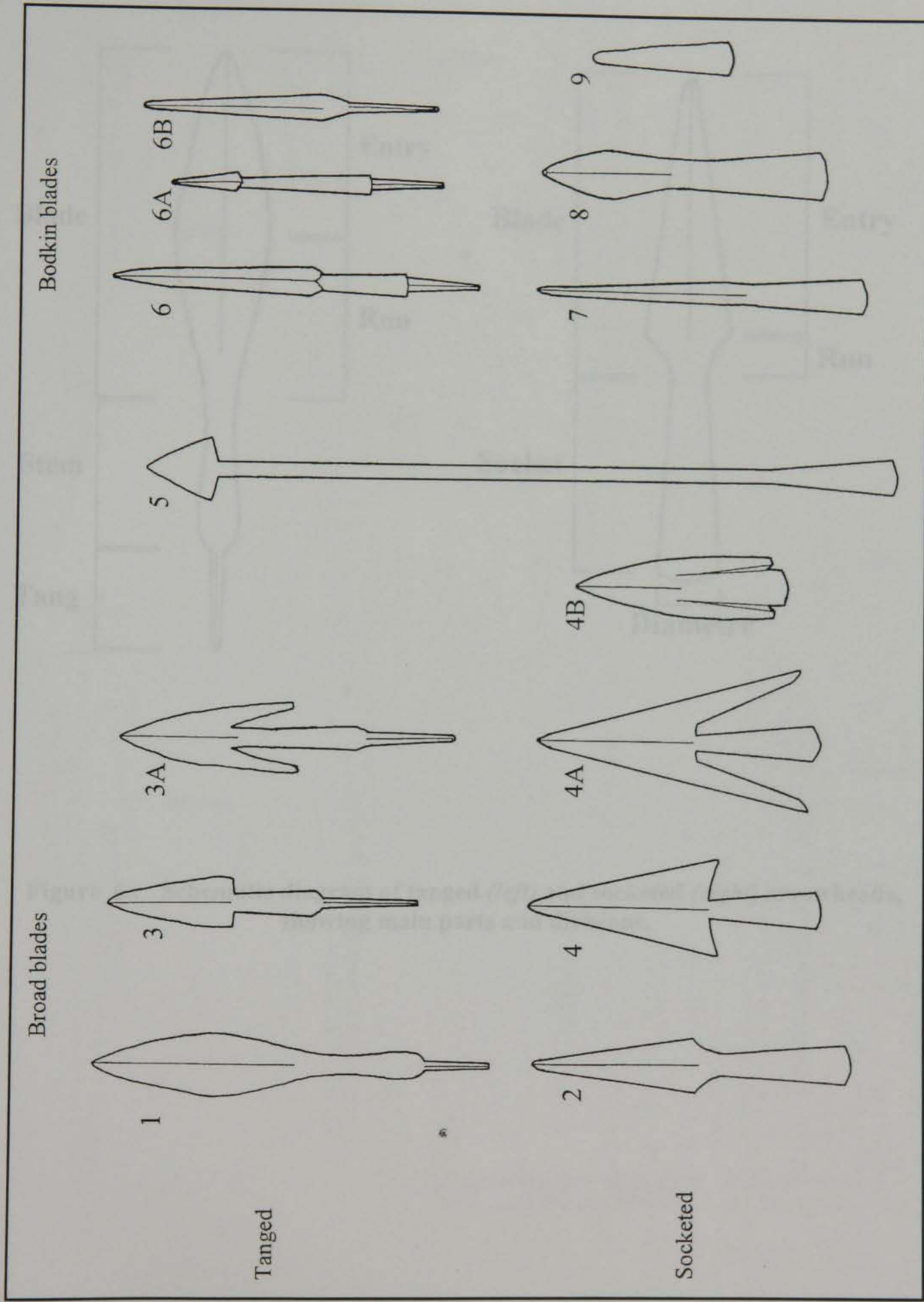


Figure 5 : Typology of Irish medieval arrowheads.

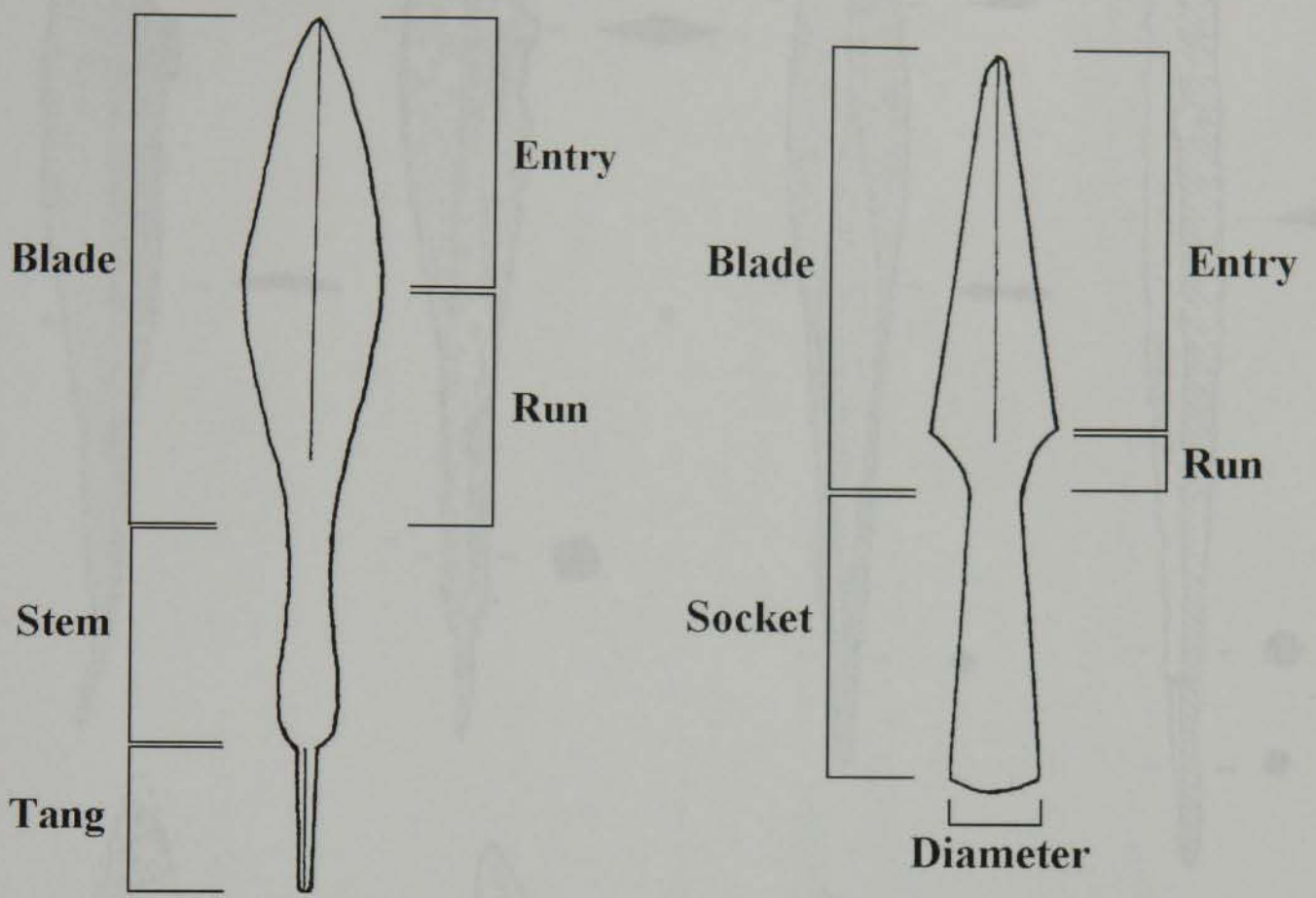


Figure 6 : Schematic diagram of tanged (*left*) and socketed (*right*) arrowheads, showing main parts and divisions.



Figure 7 : Projectile heads nos. 4, 19, 31, 53, 54, 69, 70, 73 (Type D).

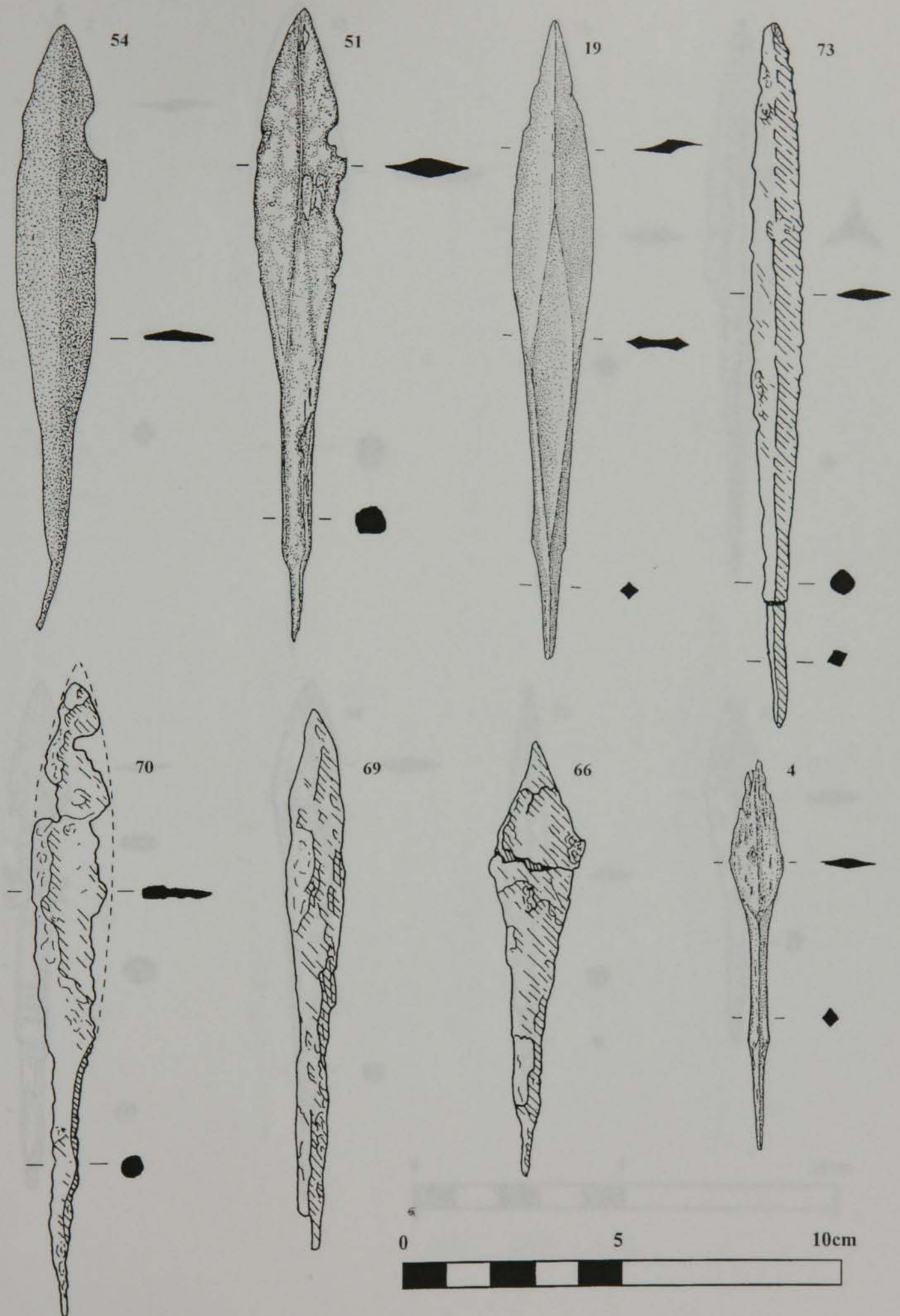


Figure 7 : Projectile heads nos 4, 19, 51, 54, 66, 69, 70, 73 (Type 1).

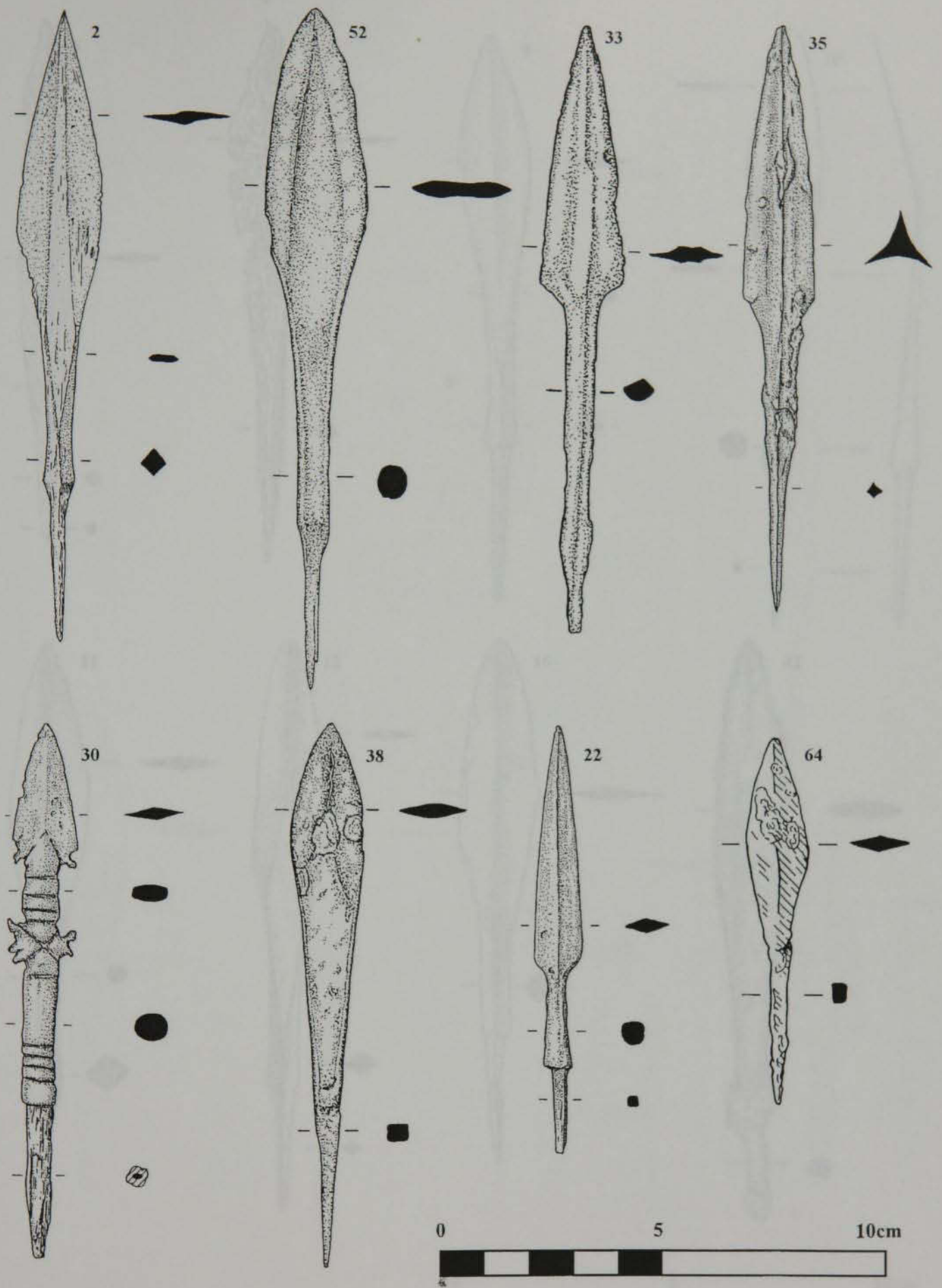


Figure 8: Projectile heads nos 2, 22, 30, 33, 35, 38, 52, 64 (Type 1).



Figure 9: Projectile heads nos 5, 6, 9, 10, 11, 12, 16, 42 (Type 1).

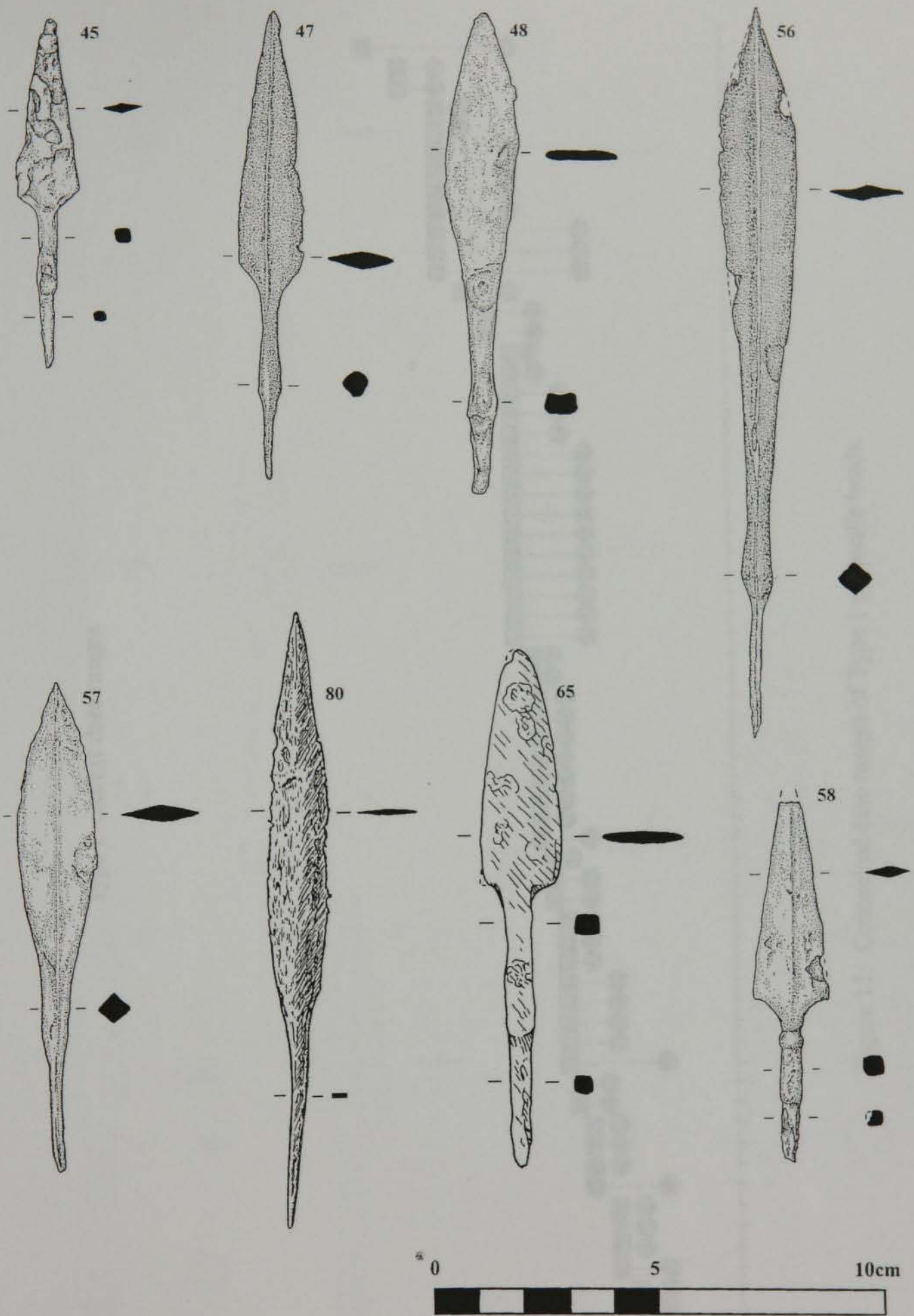


Figure 10: Projectile heads nos 45, 47, 48, 56, 57, 58, 80, 65 (Type 1).

Type 1 context date ranges

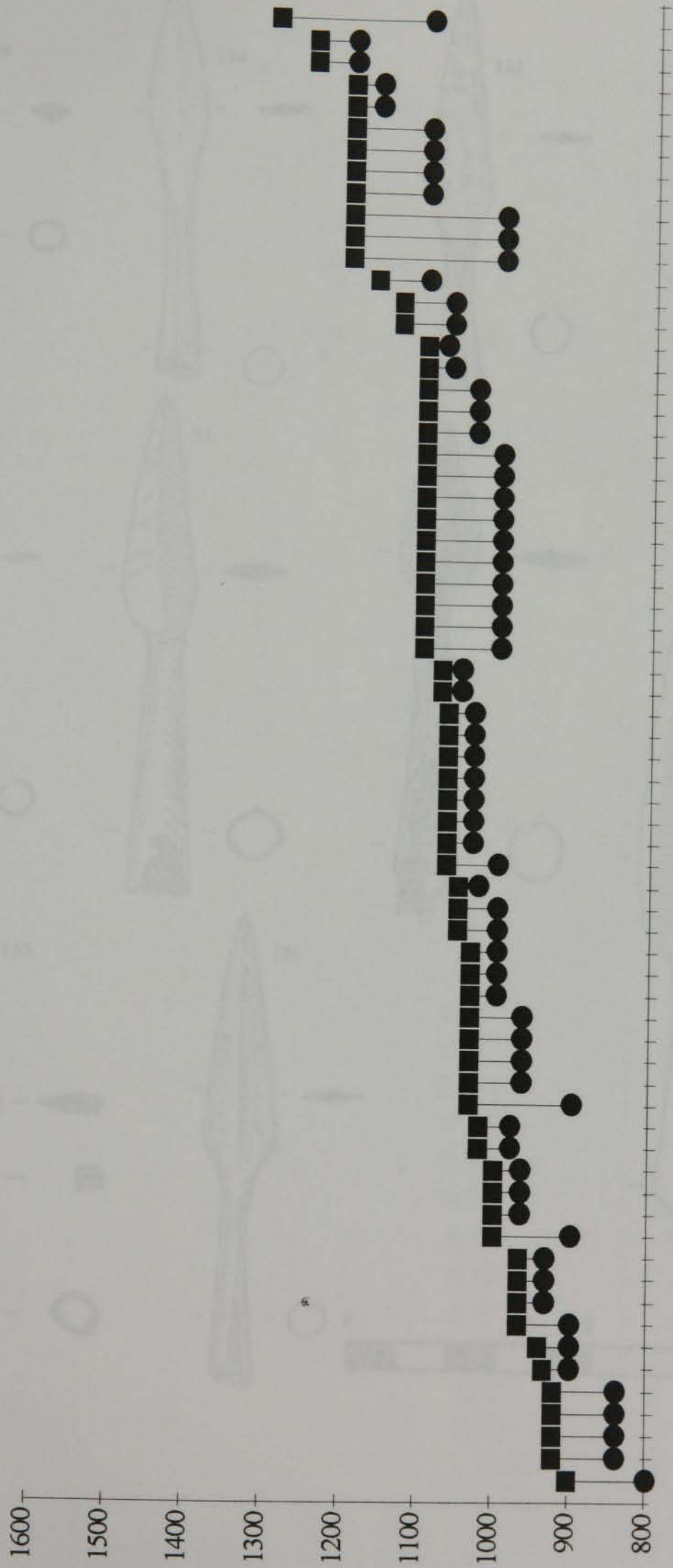


Figure 11: Contextual date ranges of Type 1 projectile heads.

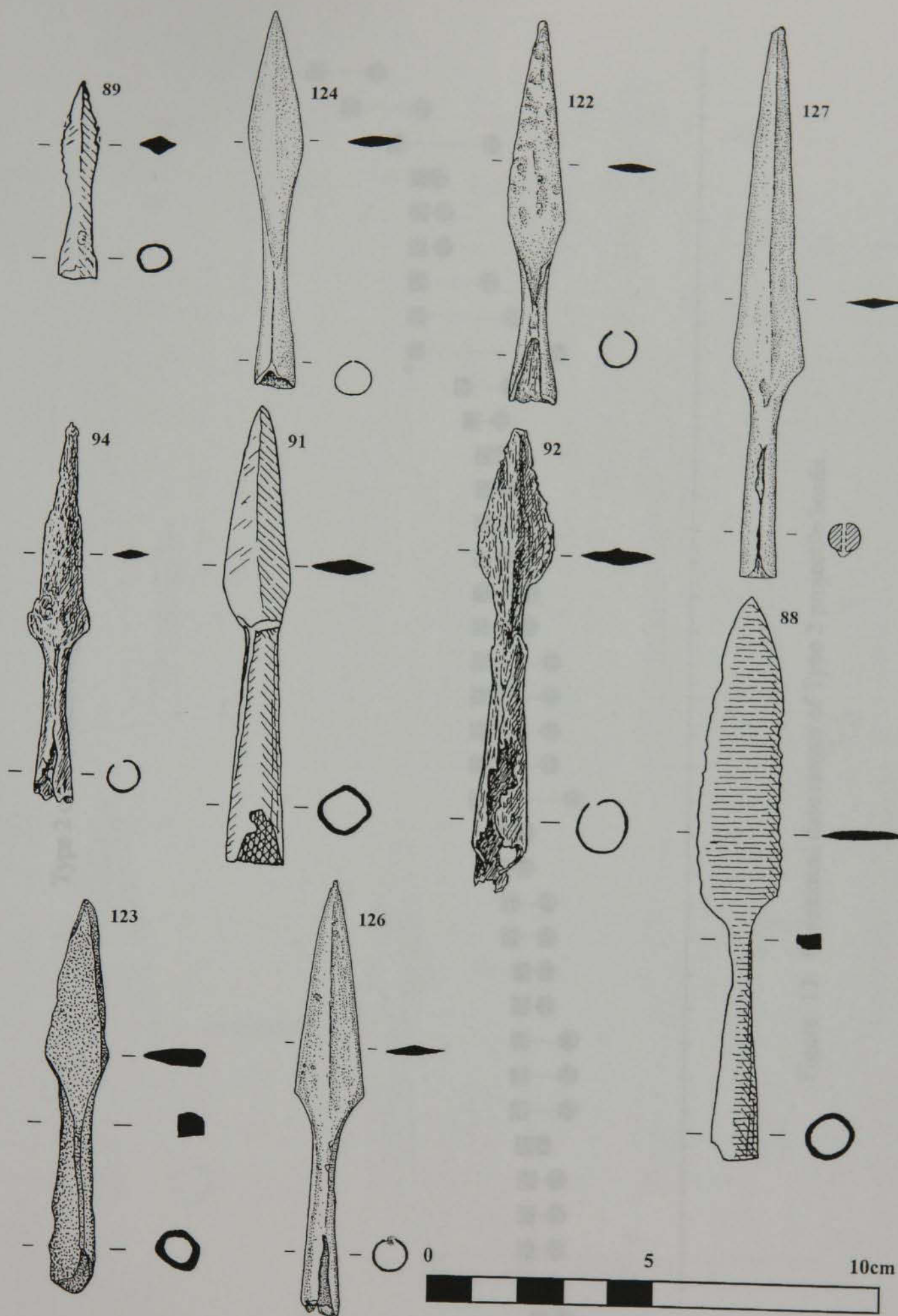


Figure 12: Projectile heads nos 88, 89, 91, 92, 94, 122, 123, 124, 126, 127 (Type 2).

Type 2 context date ranges

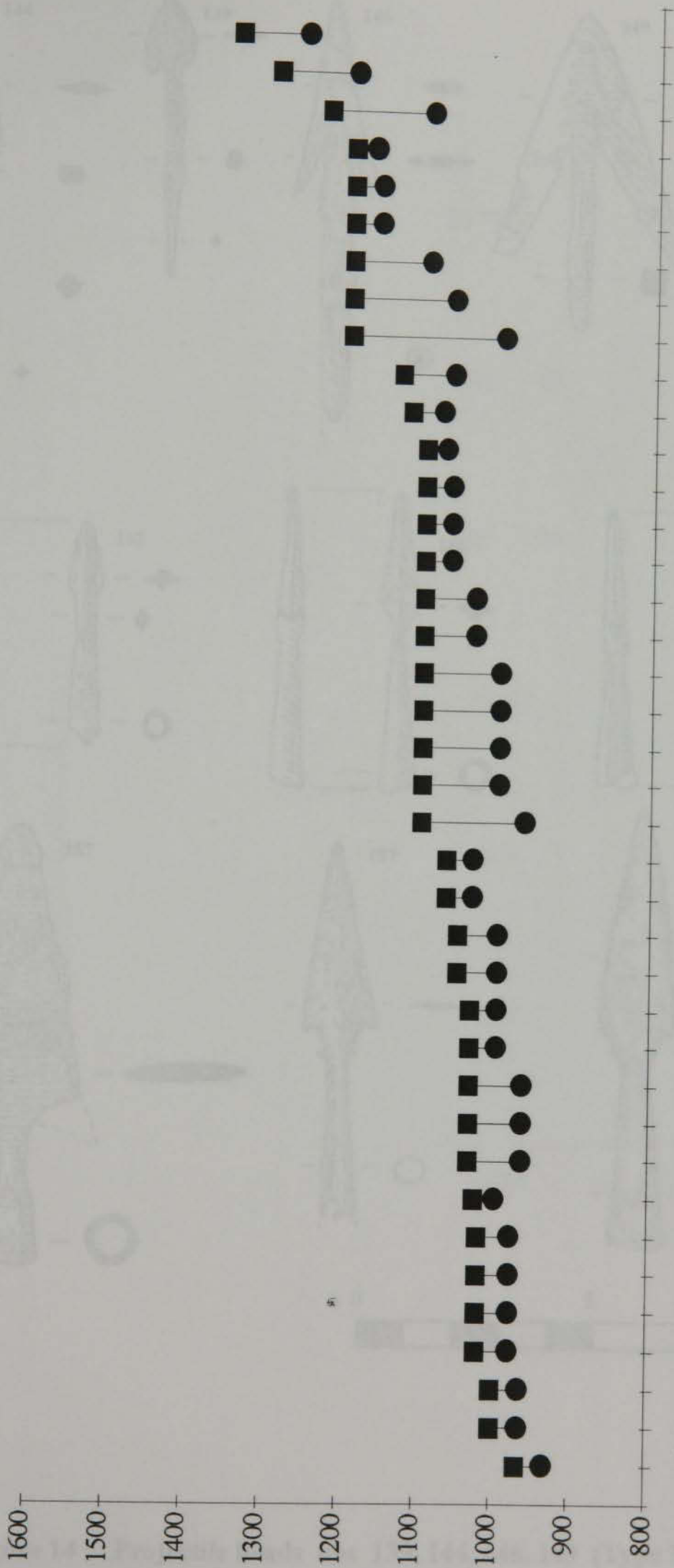


Figure 13: Contextual date ranges of Type 2 projectile heads.

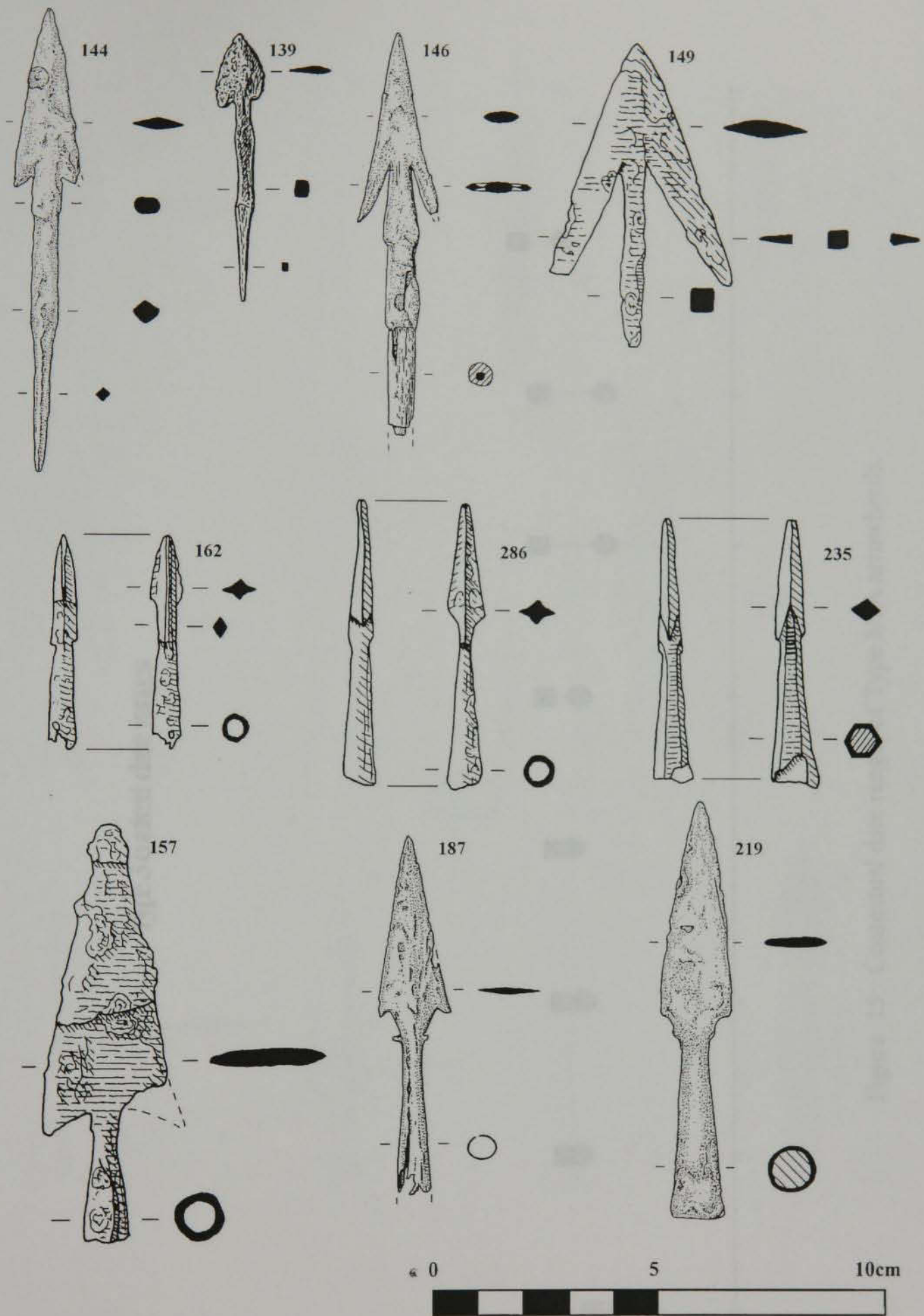


Figure 14 : Projectile heads nos 139, 144, 146, 149 (Type 3/3A);
nos 157, 162, 187, 219, 235, 286 (Type 4).

Type 3 context date ranges

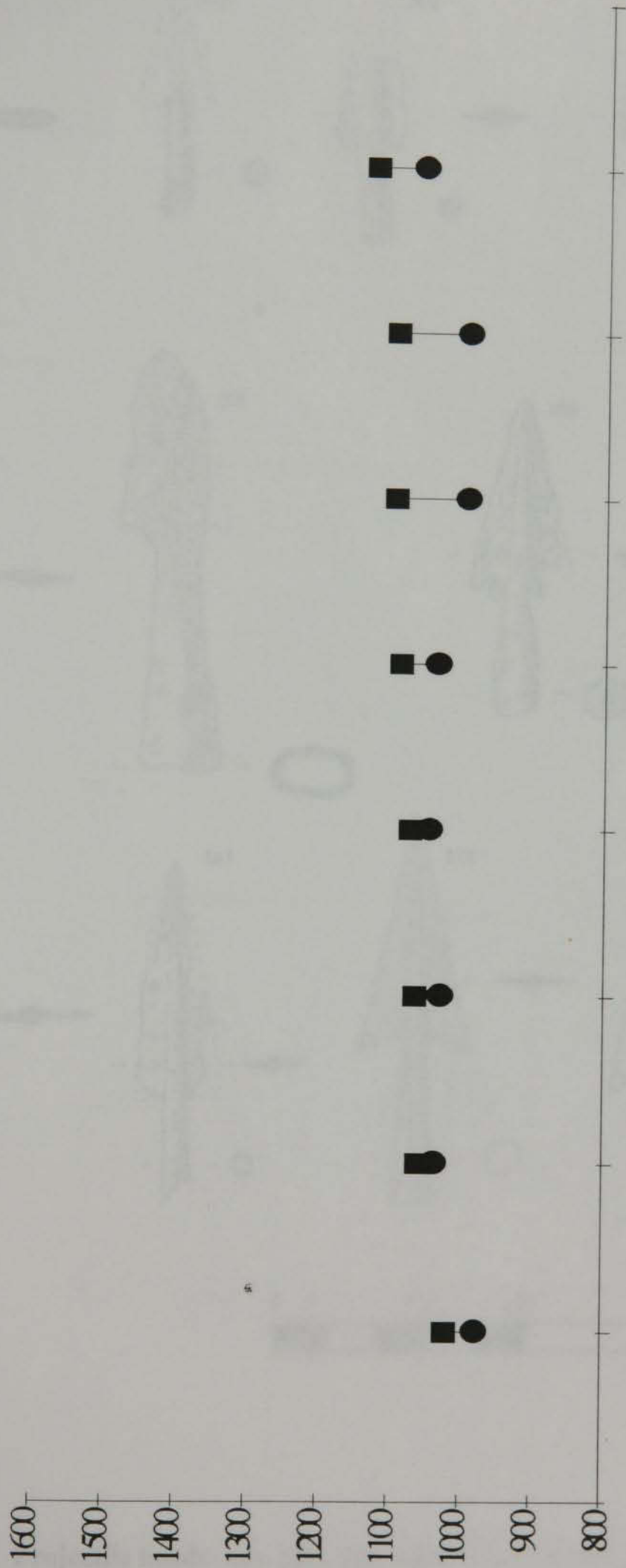


Figure 15: Contextual date ranges of Type 3/3A arrowheads.

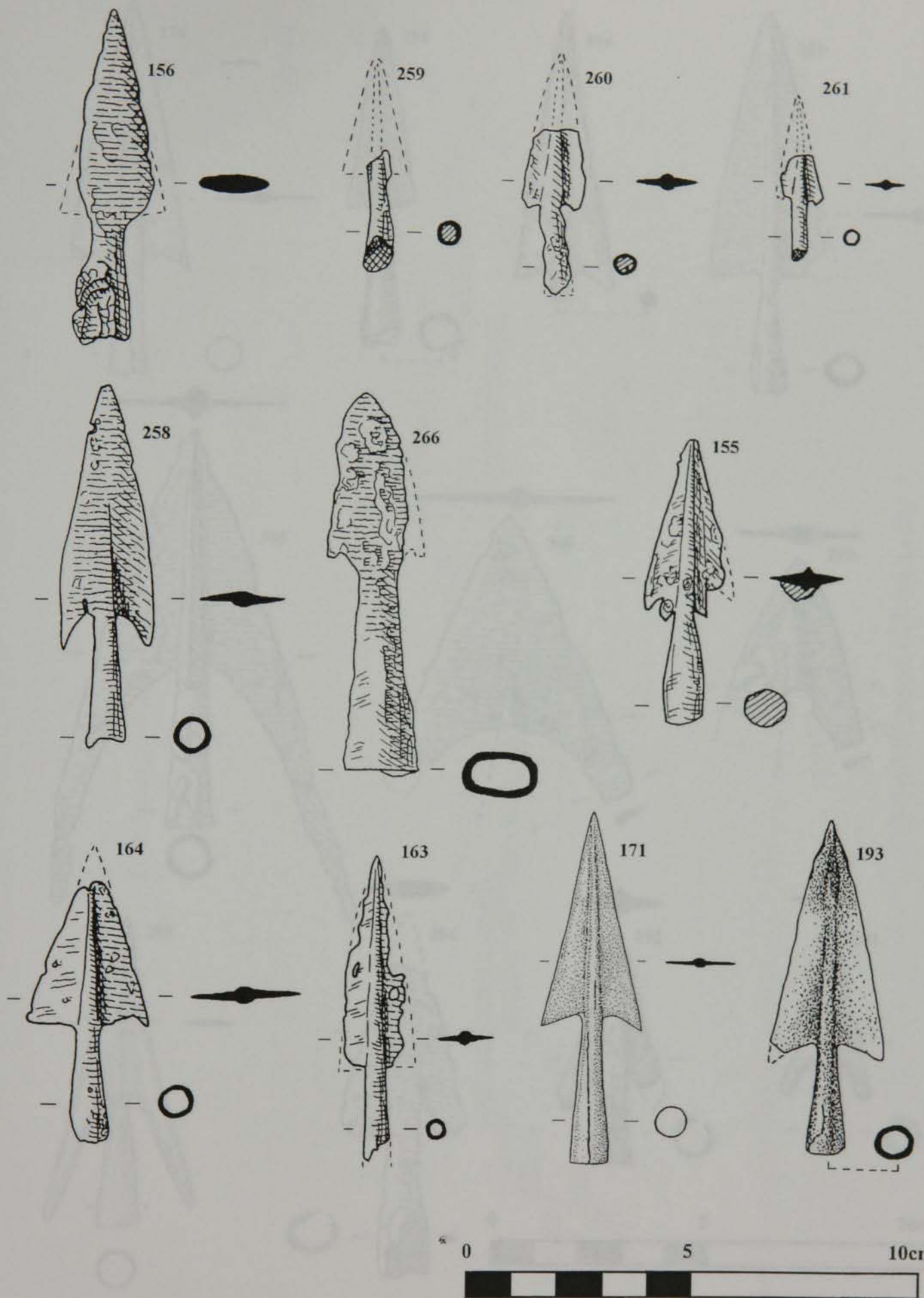


Figure 16 : Projectile heads nos 155, 156, 163, 164, 171, 193, 258, 259, 260, 261, 266 (Type 4).

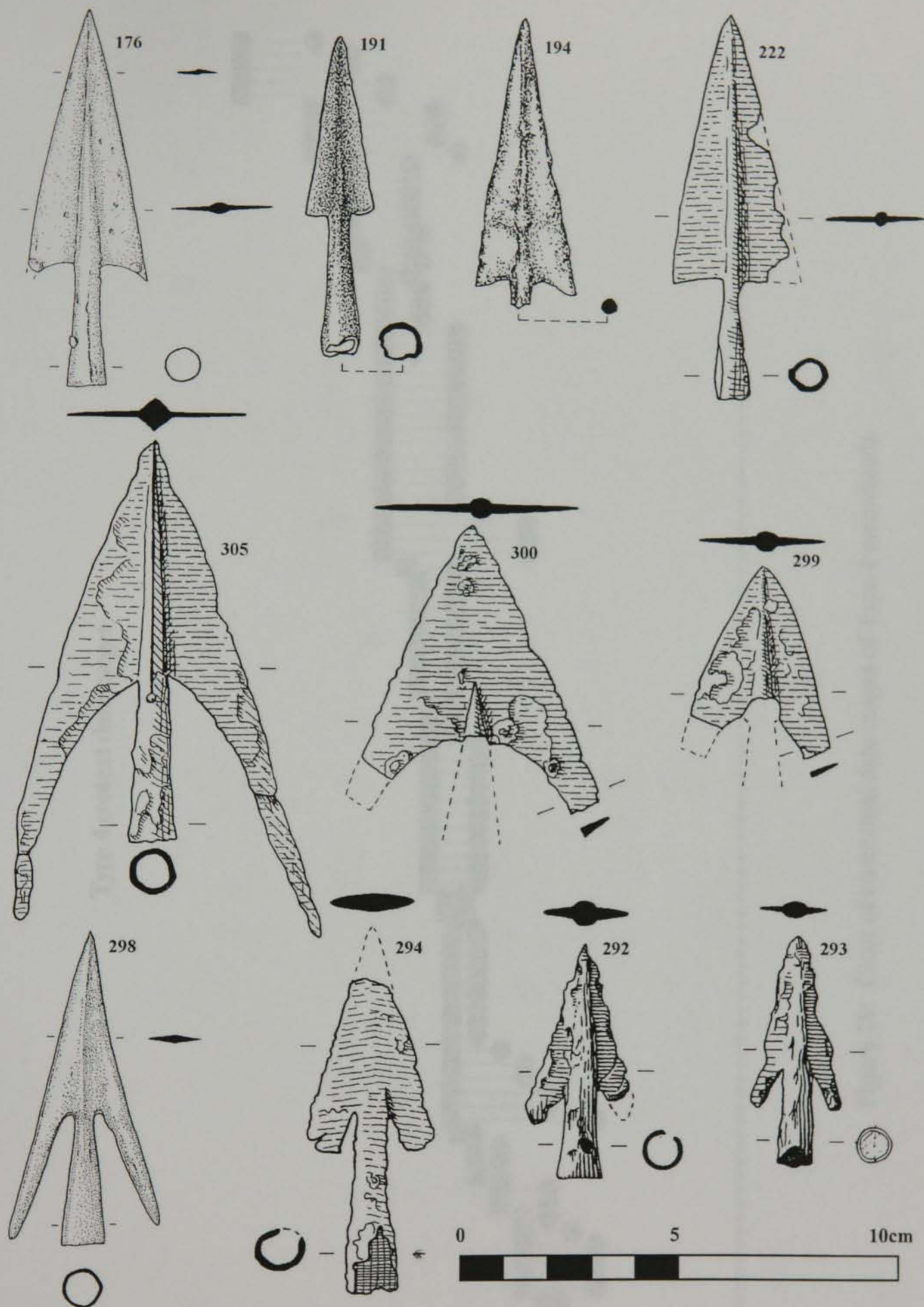


Figure 17 : Projectile heads nos 176, 191, 194, 222 (Type 4);
nos 305, 300, 299, 298, 294, 292, 293 (Subtype 4A).

Type 4 context date ranges

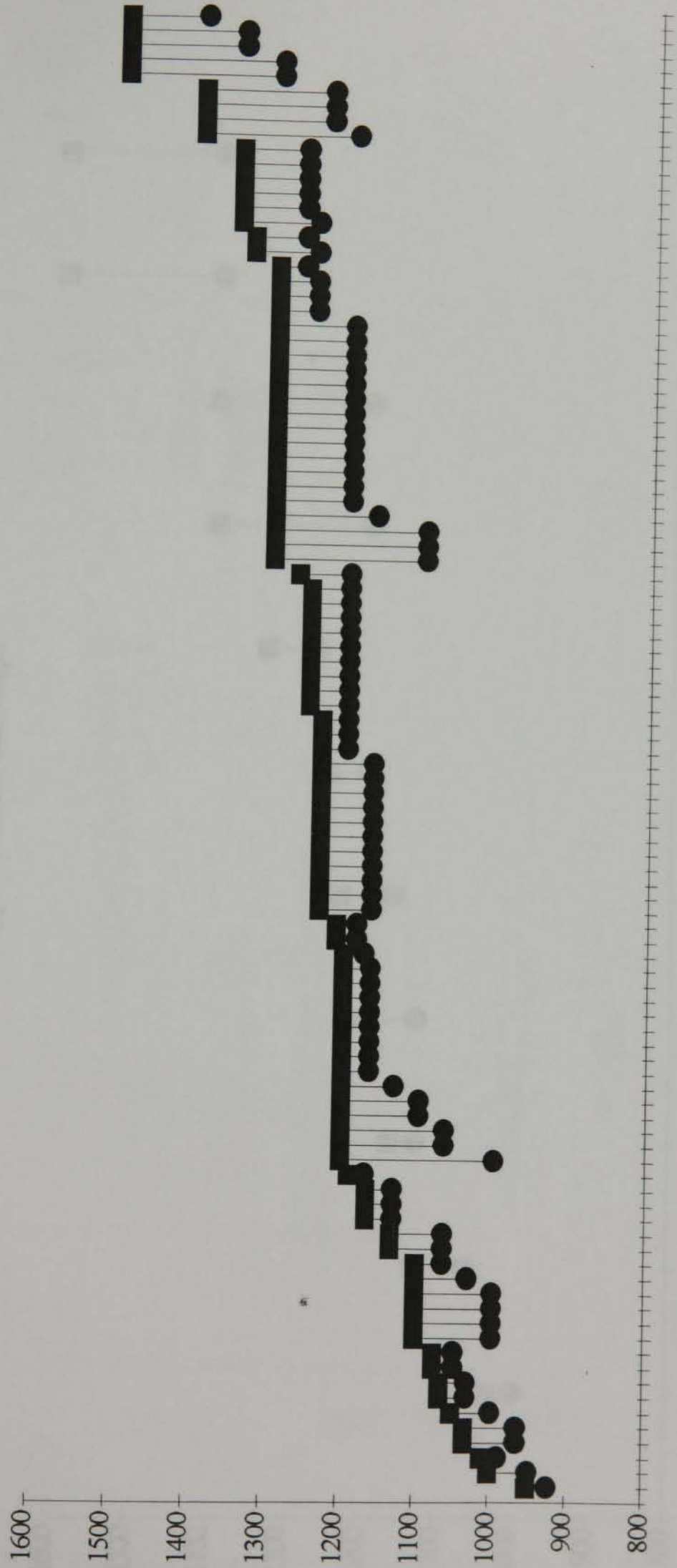


Figure 18: Chart of contextual date ranges of Type 4 arrowheads.

Type 4A context date ranges

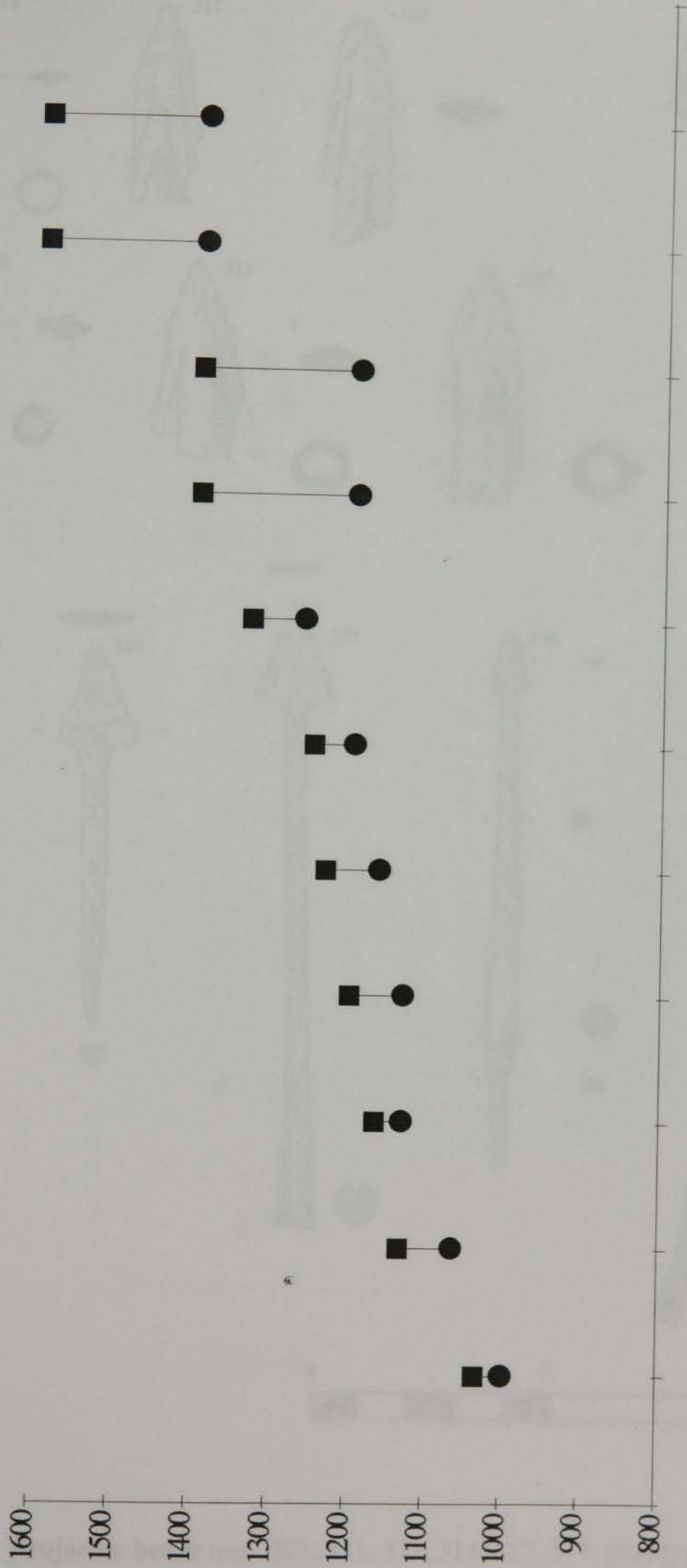


Figure 19: Contextual date ranges of Type 4A arrowheads.

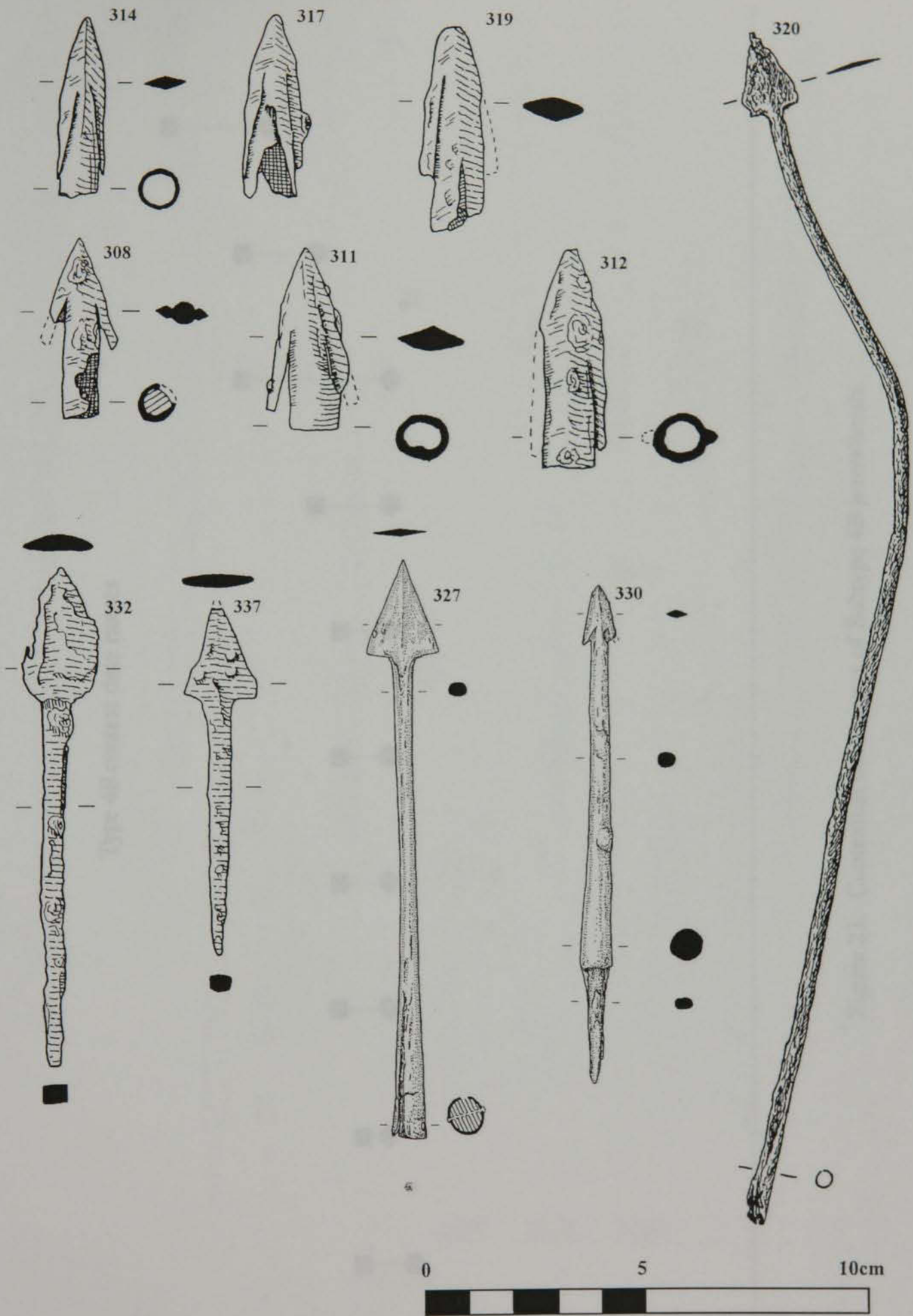


Figure 20 : Projectile heads nos 308, 311, 312, 314, 317, 319 (Subtype 4B);
nos 320, 327, 330, 332, 337 (Type 5).

Type 4B context date ranges

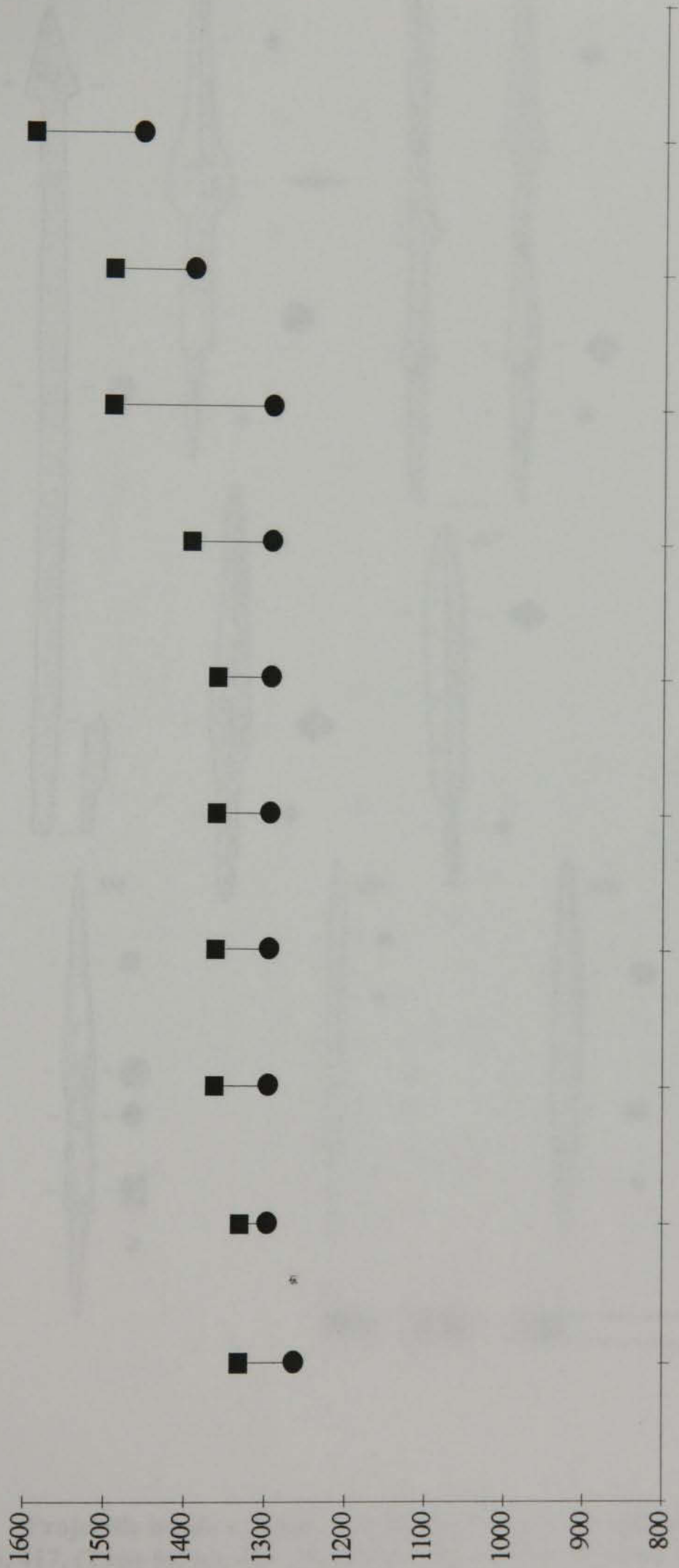


Figure 21: Contextual date ranges of Subtype 4B arrowheads.

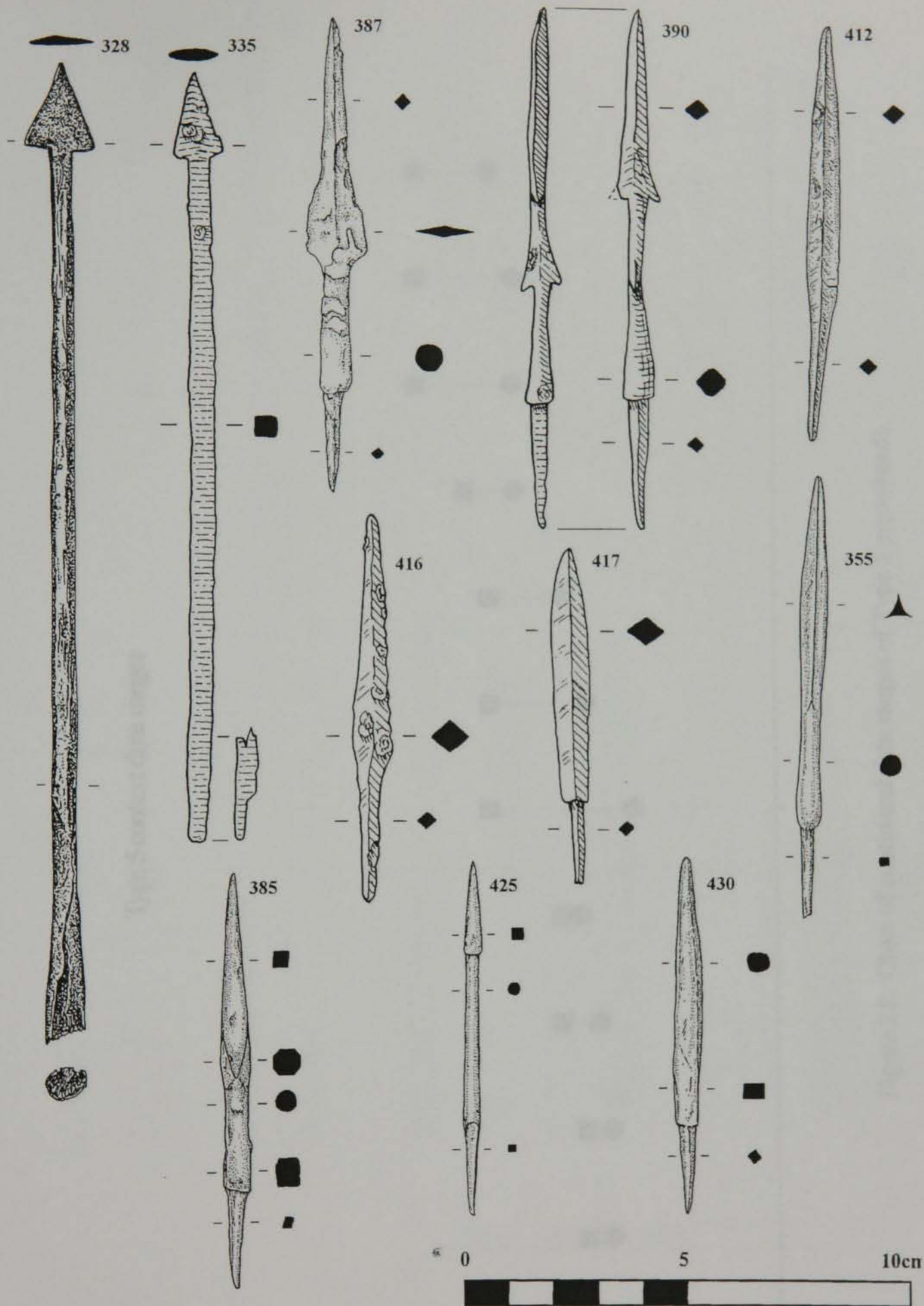


Figure 22: Projectile heads nos 328, 335 (Type 5); nos 355, 385, 387, 390, 412, 416, 417, (Type 6); no. 425 (Subtype 6A); no. 430 (Subtype 6B).

Type 5 context date ranges

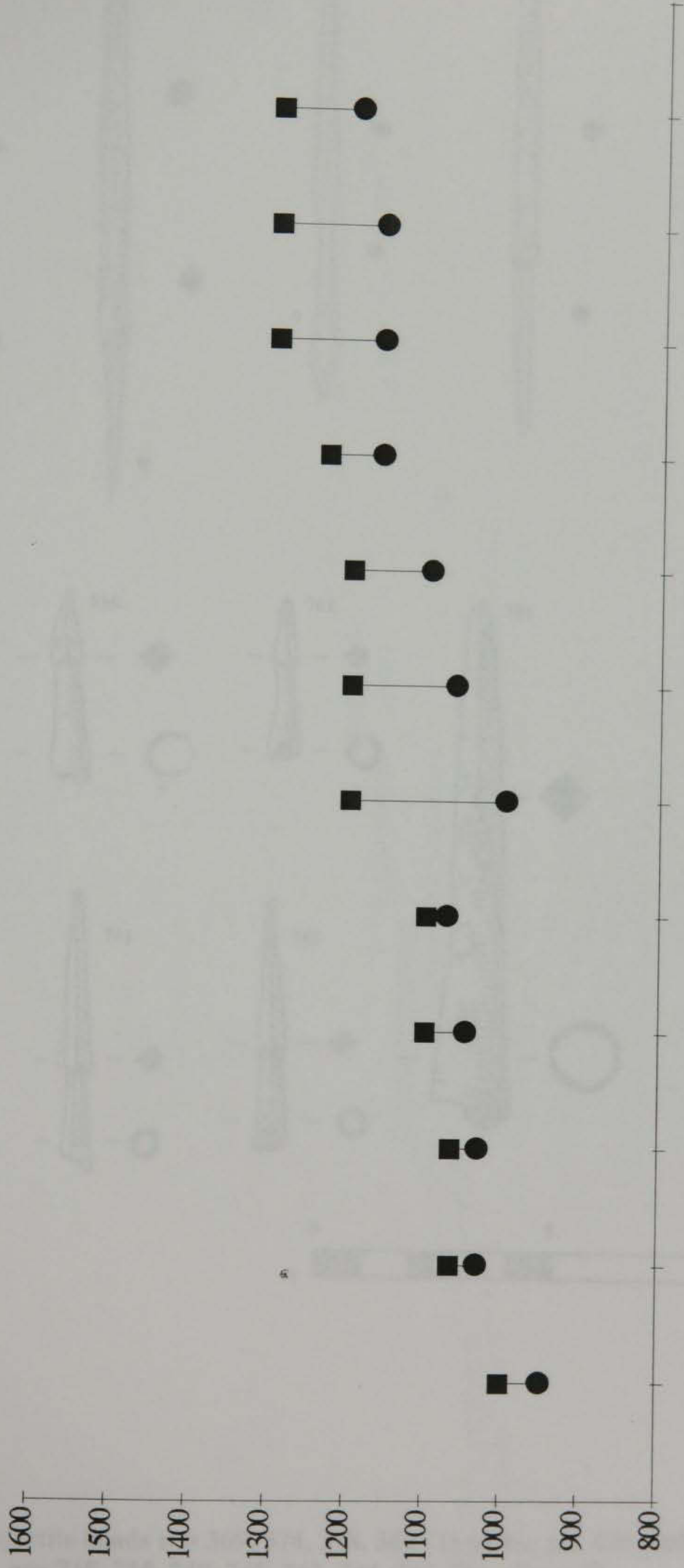


Figure 23: Chart of contextual date ranges of Type 5 arrowheads.

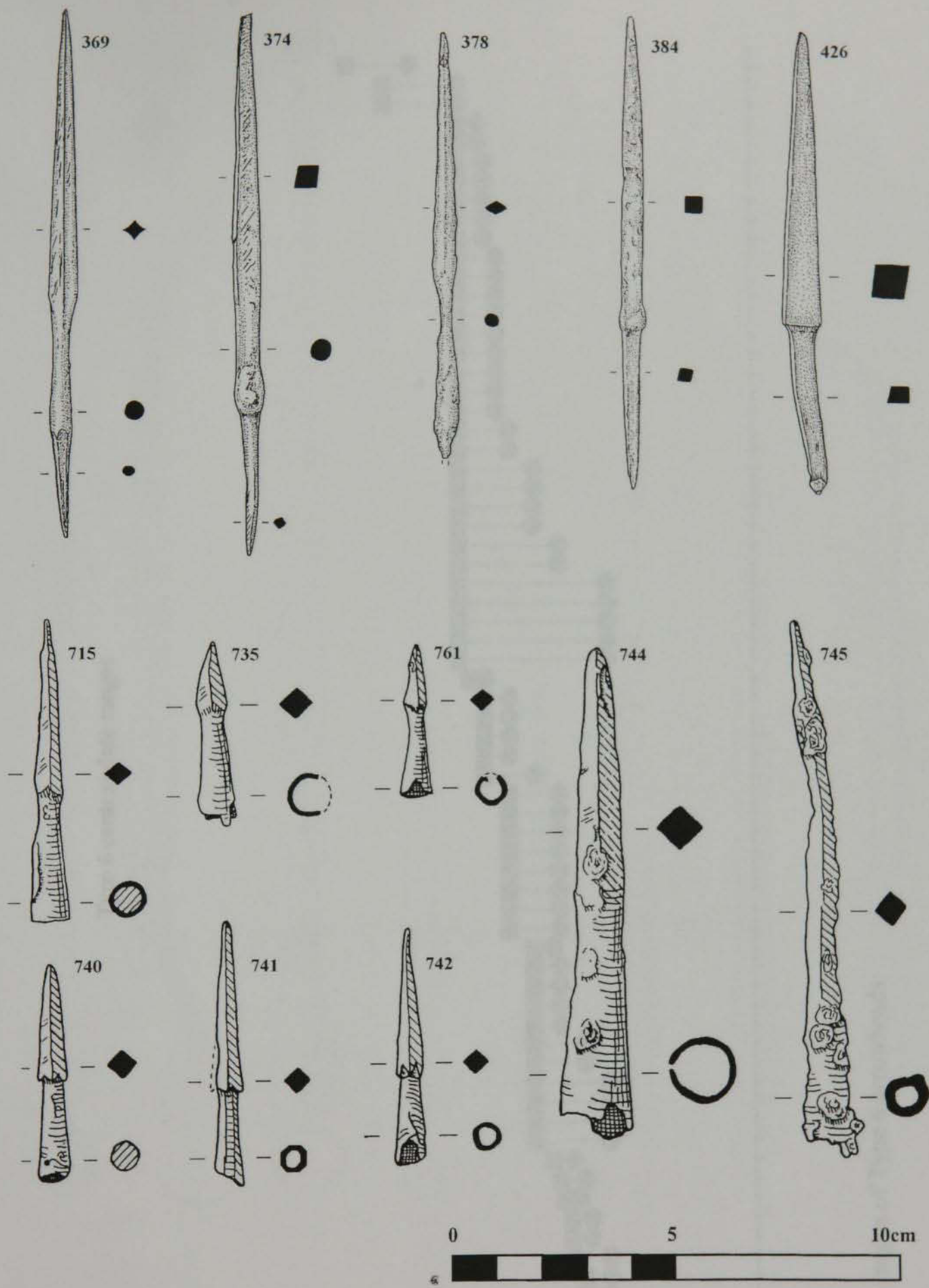
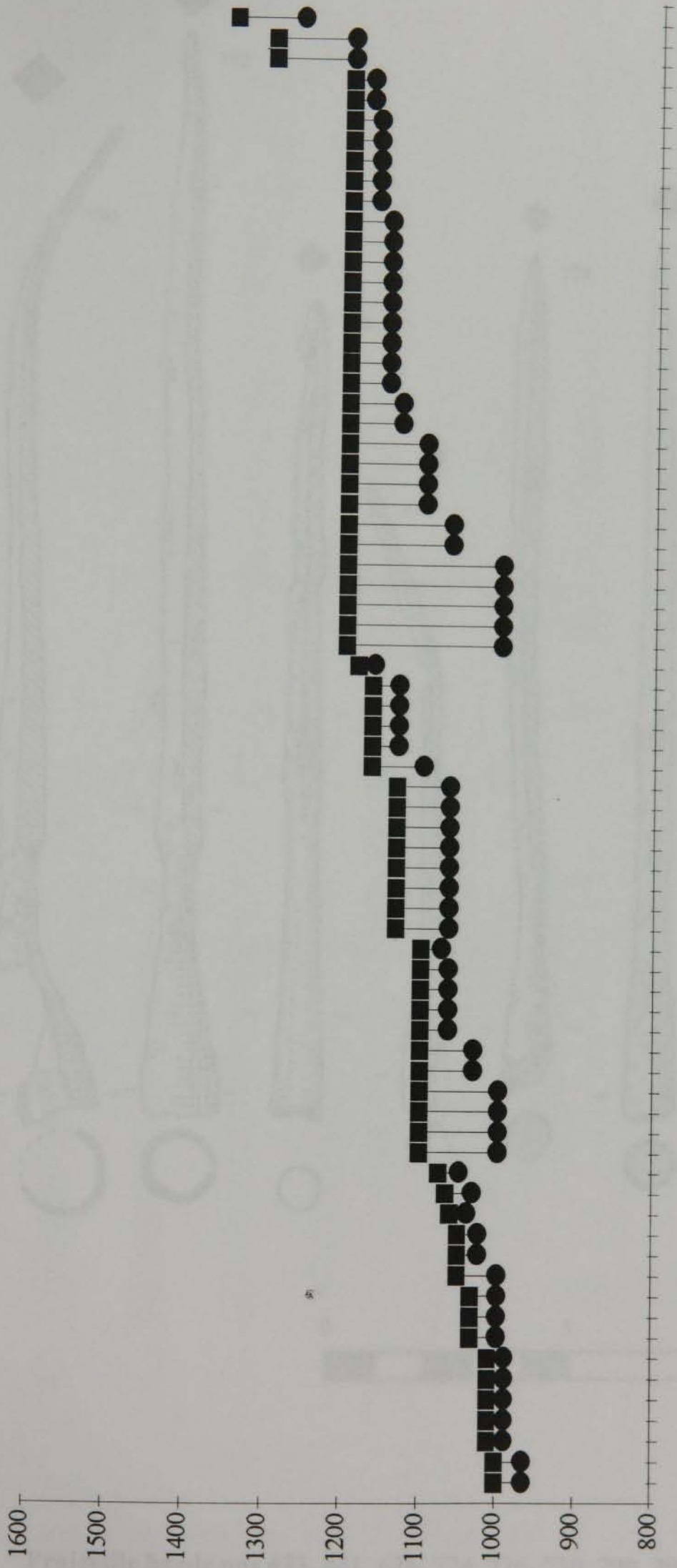


Figure 24 : Projectile heads nos 369, 374, 378, 384 (Type 6); no. 426 (Subtype 6B); nos 715, 735, 740, 741, 742, 744, 745, 761 (Type 7).

Type 6 context date ranges



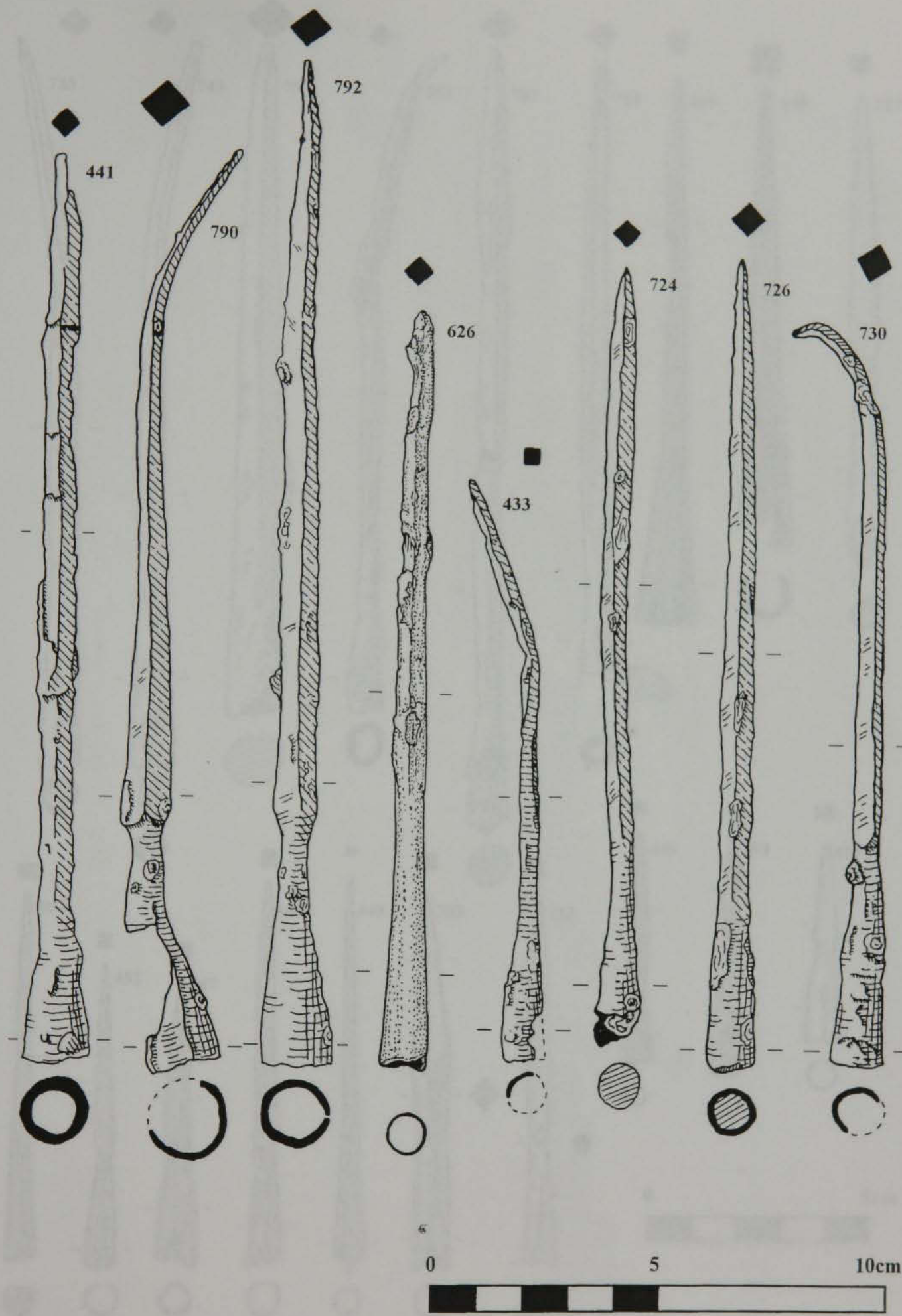


Figure 26: Projectile heads nos 433, 441, 626, 724, 726, 730, 790, 792 (Type 7).

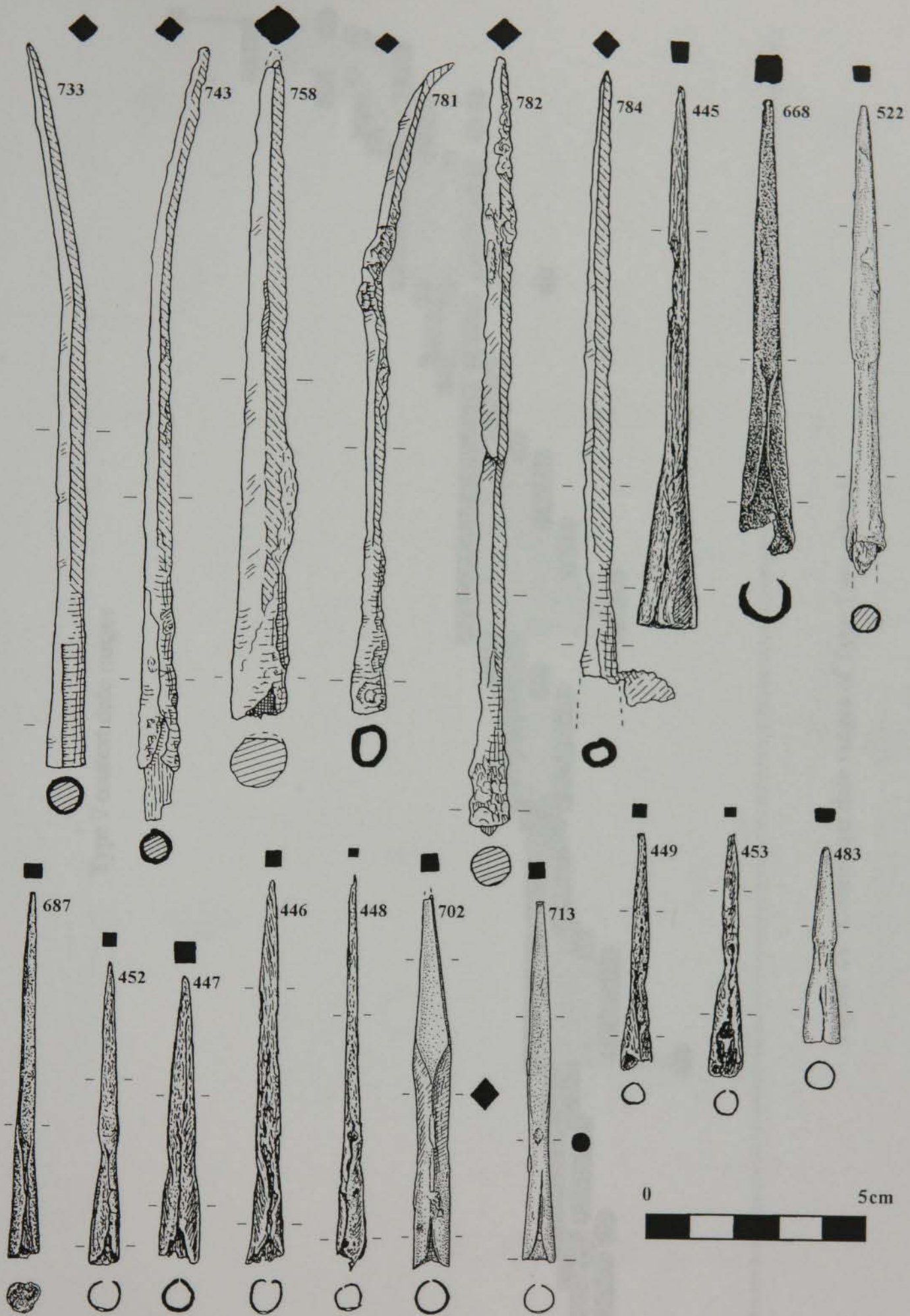


Figure 27 : Projectile heads nos 445, 446, 447, 448, 449, 452, 453, 483, 522, 668, 687, 702, 713, 733, 743, 758, 781, 782, 784 (Type 7).

Type 7 context date ranges

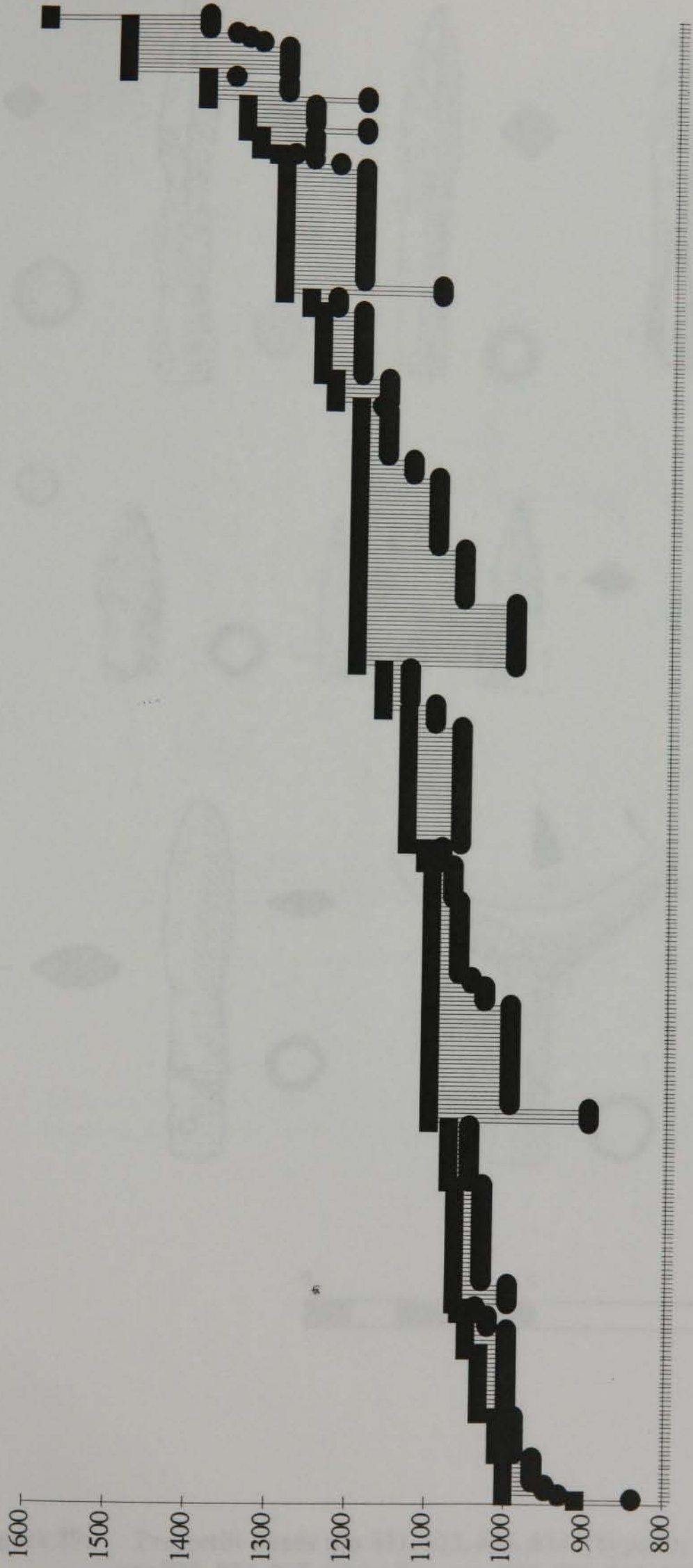


Figure 28: Contextual date ranges of Type 7 arrowheads.

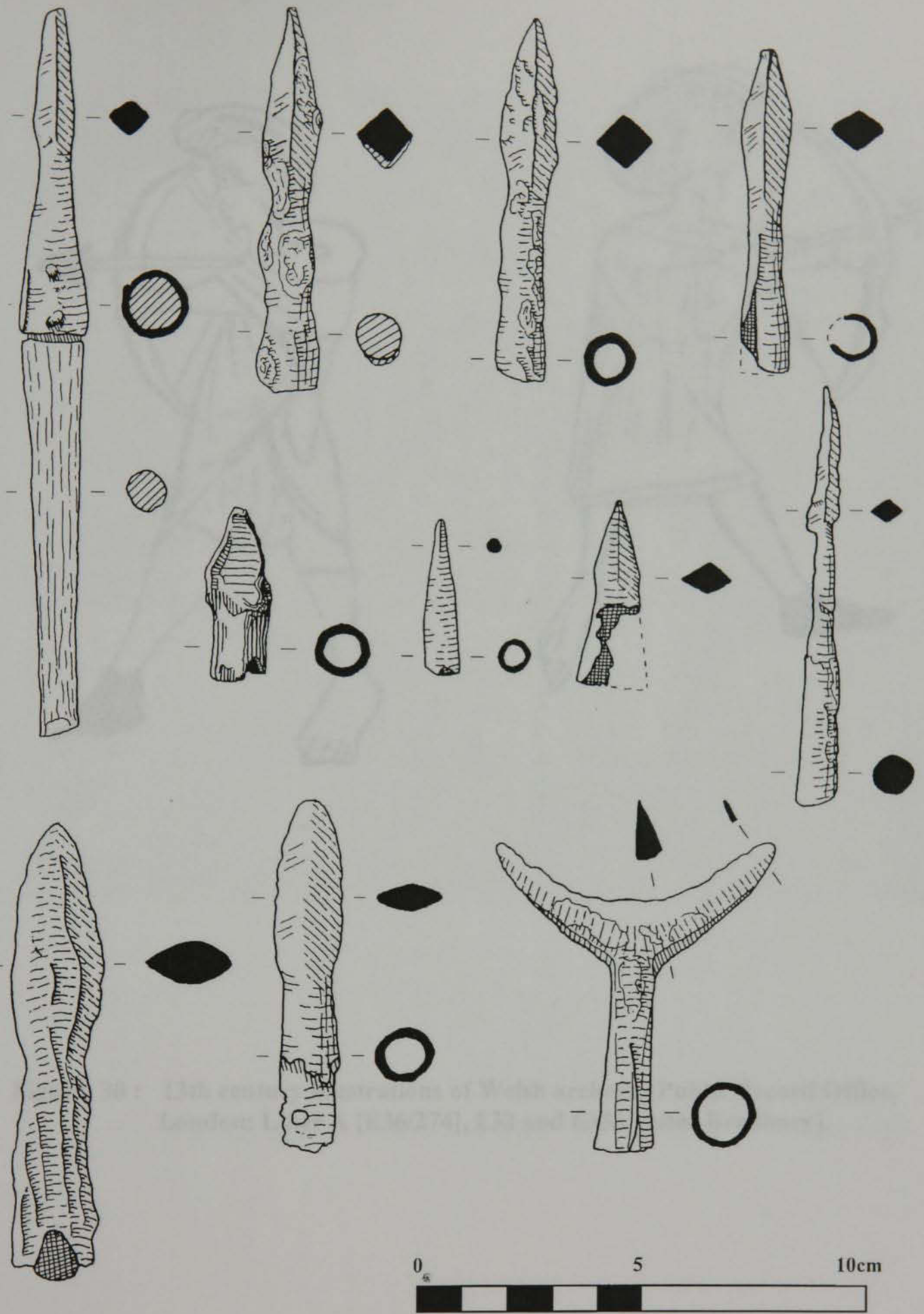


Figure 29: Projectile heads nos 831, 832, 833, 834 (Type 8);
nos 835, 836, 837 (Type 9); nos. 838, 851, 852, 854.

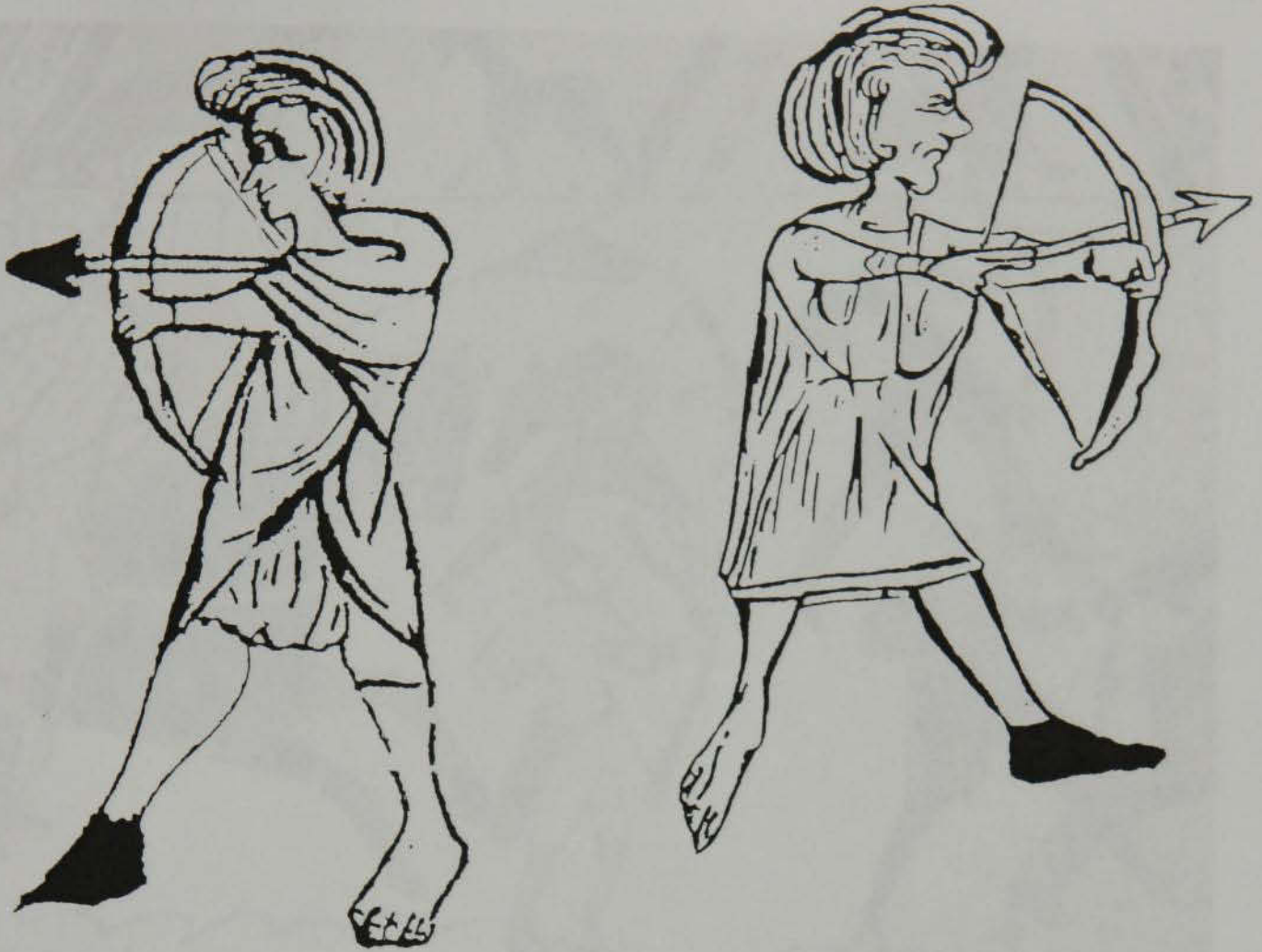
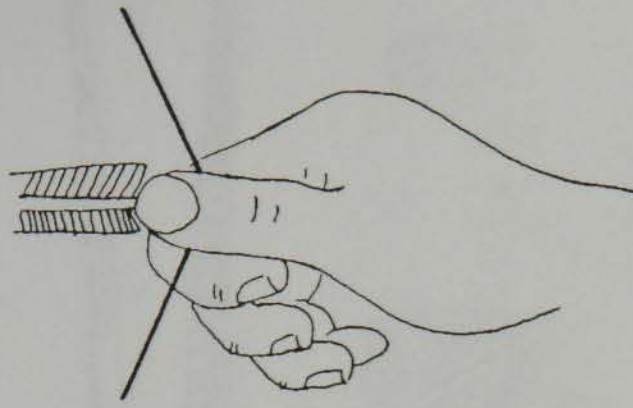


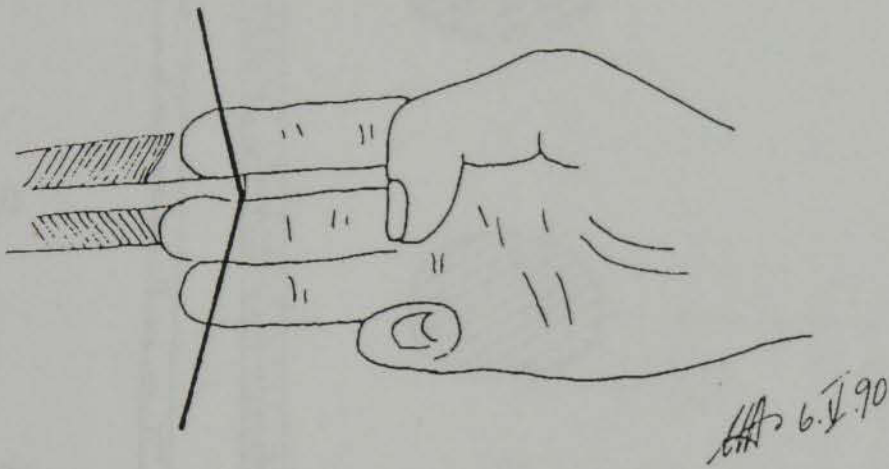
Figure 30 : 13th century illustrations of Welsh archers (Public Record Office, London: Liber A [E36/274], f.32 and f.356; after Bradbury).



Figure 31 : Norman archers at the battle of Hastings, from the Bayeux tapestry.



Primary release



Mediterranean release

**Figure 32 : Illustrations of the Primary release and the Mediterranean release
(after Webb).**

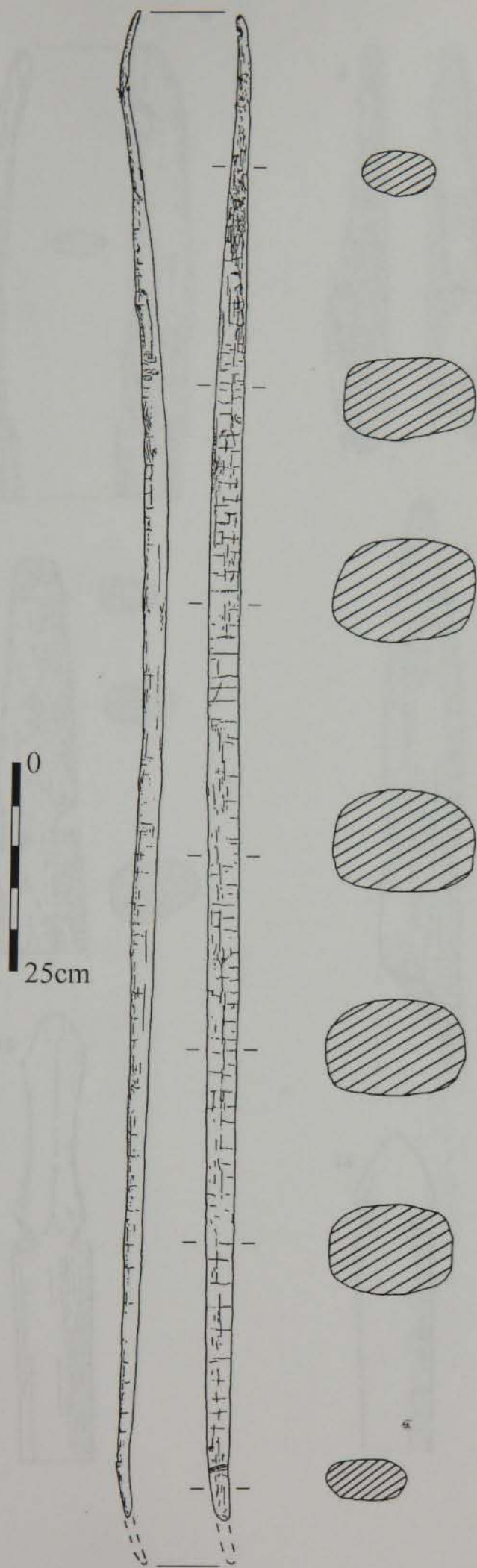


Figure 33 : Bow no. 1, Ballinderry crannog, Co. Westmeath,
(cross-sections at enlarged scale).



Figure 34 : Hiberno-Norse bows, nos 1, 4, 6-8, 11 and 13-15.

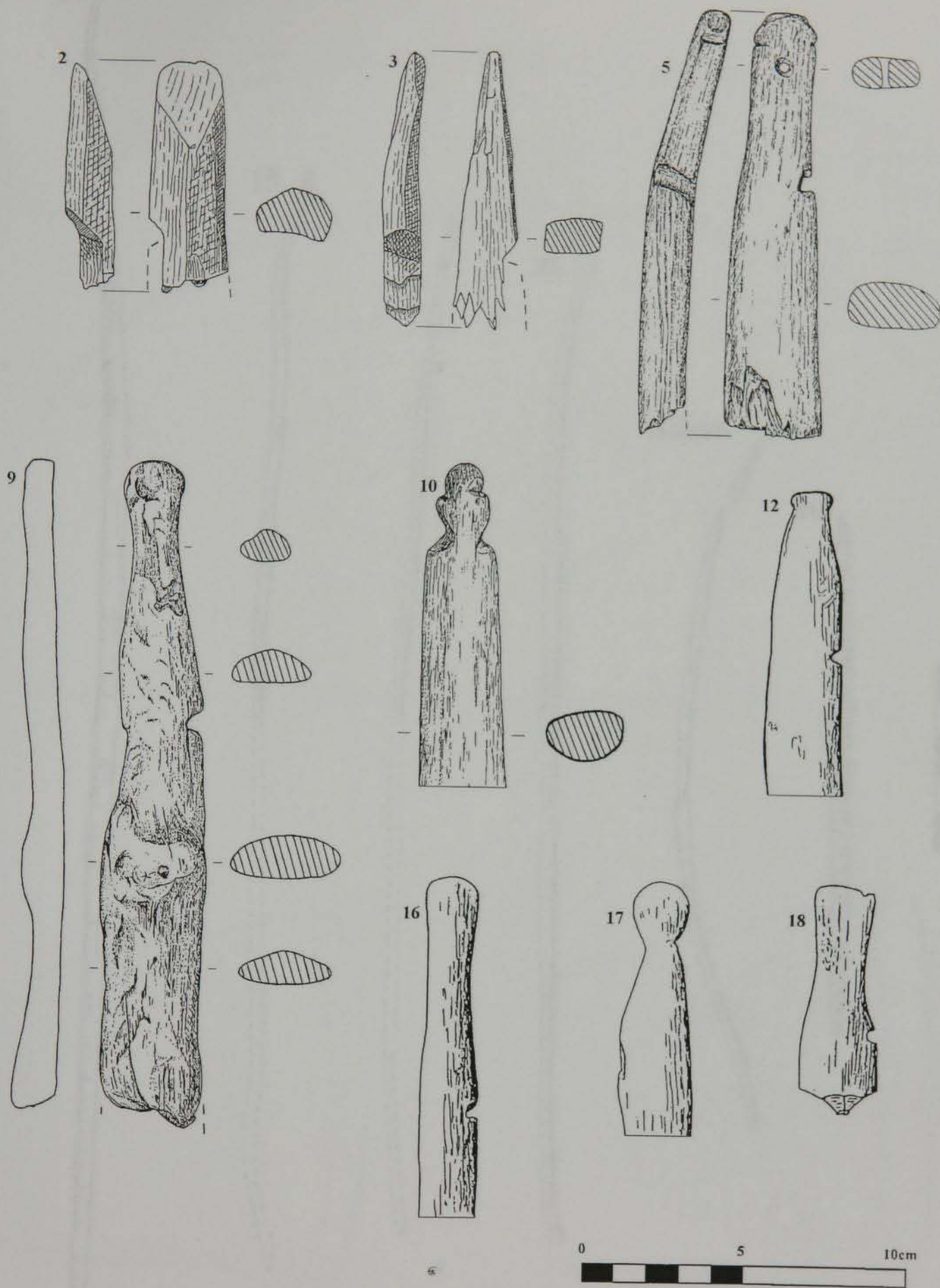


Figure 35 : Anglo-Norman bows, nos 2, 3, 5, 9-10, 12 and 16-18.

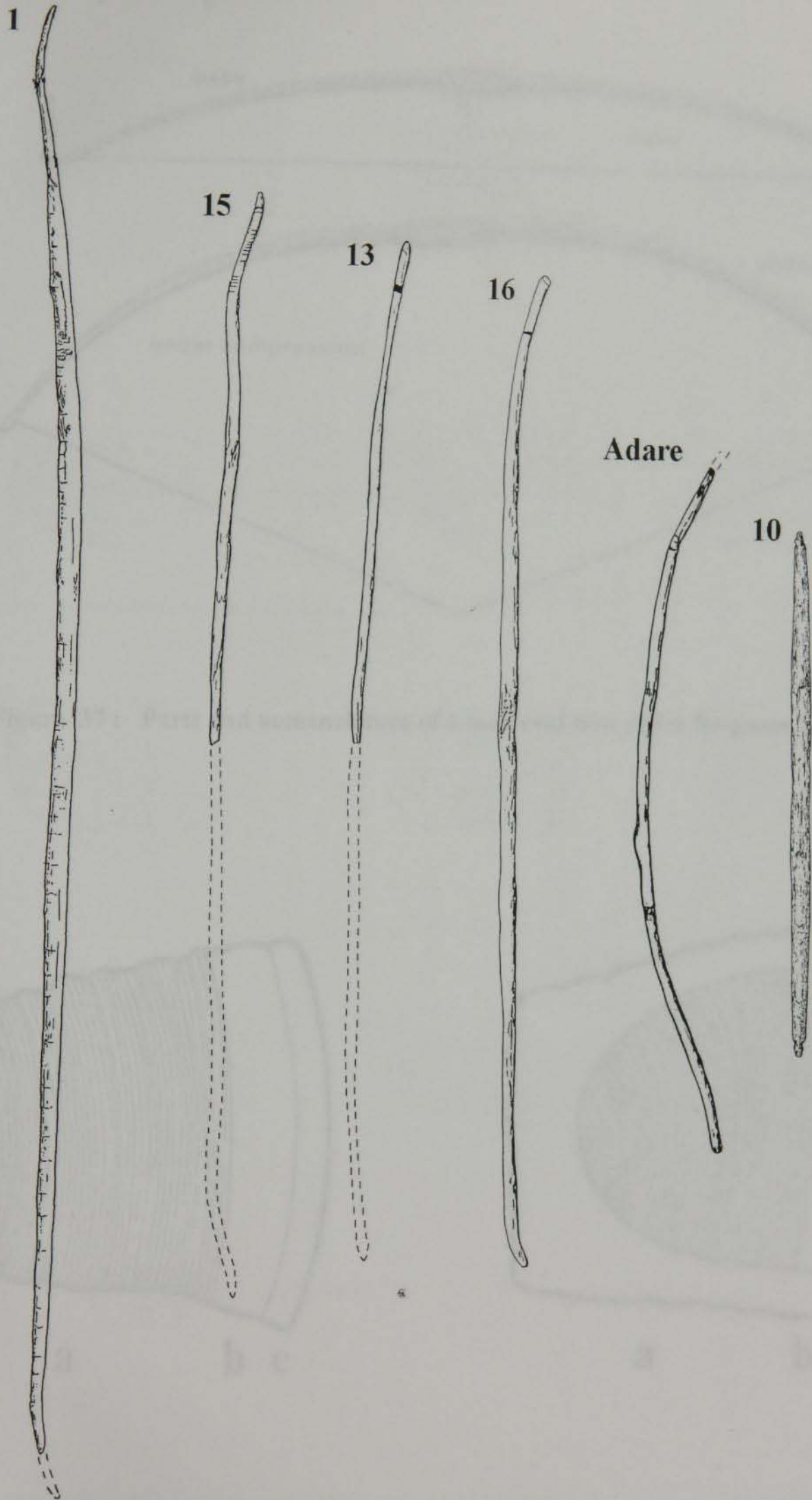


Figure 36 : Comparative lengths of bows nos 1, 10, 13, 15, 16 and Adare bow.

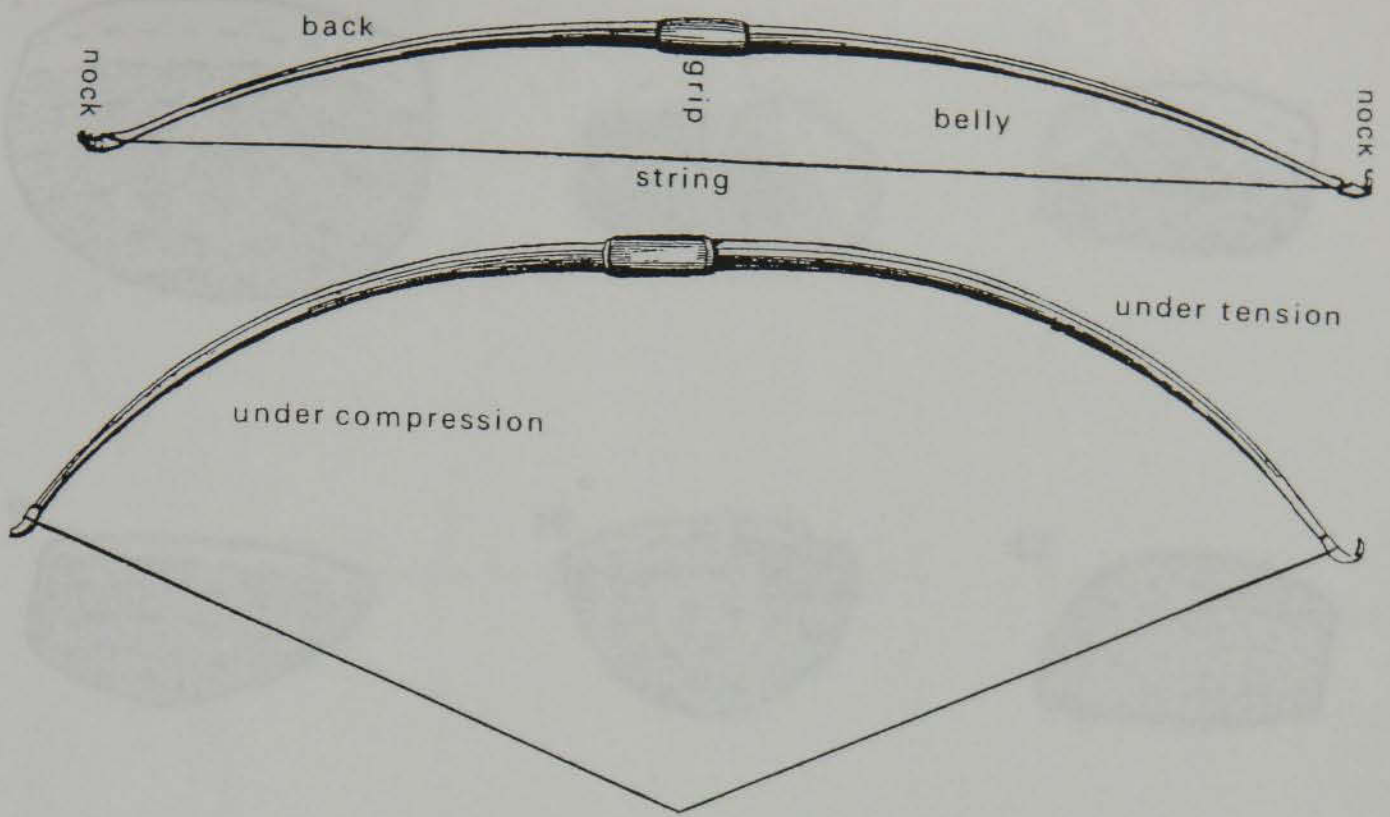


Figure 37 : Parts and nomenclature of a medieval bow (after Bergman et al.).

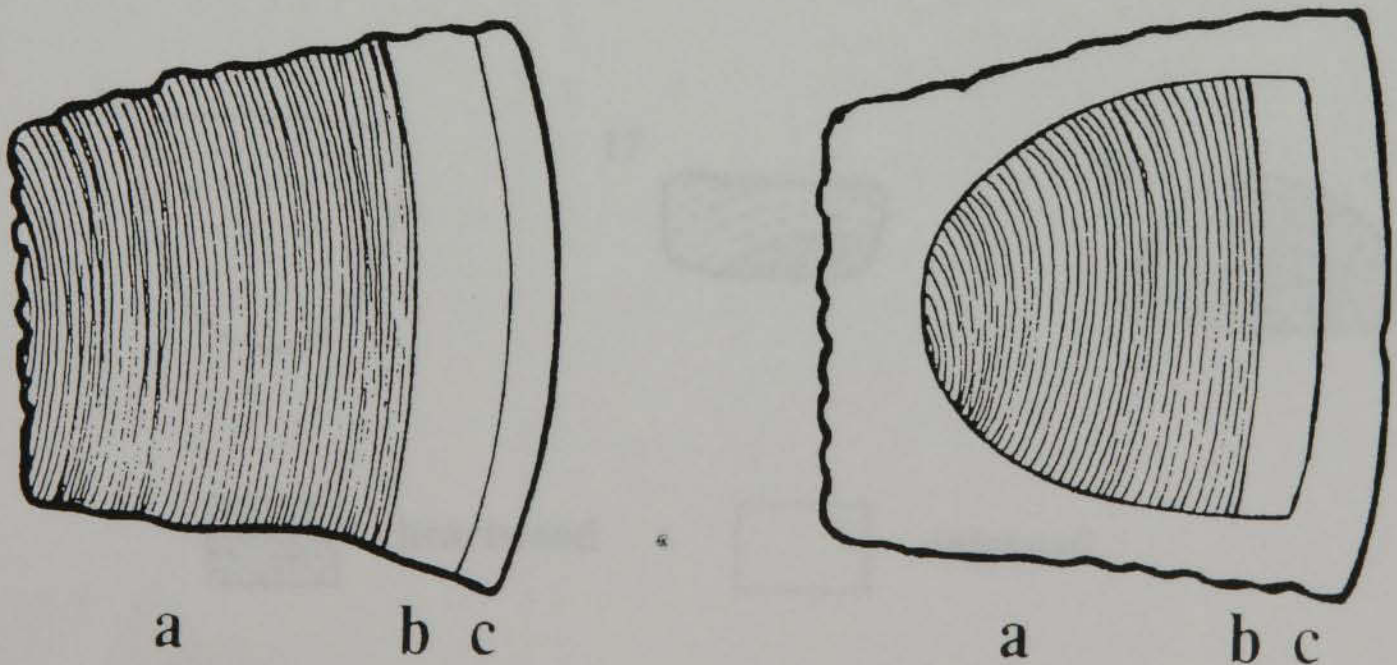


Figure 38: Traditional longbow conversion. Distribution of heartwood (a), sapwood (b) and bark (c) in yew billet and finished bow (after Hardy).

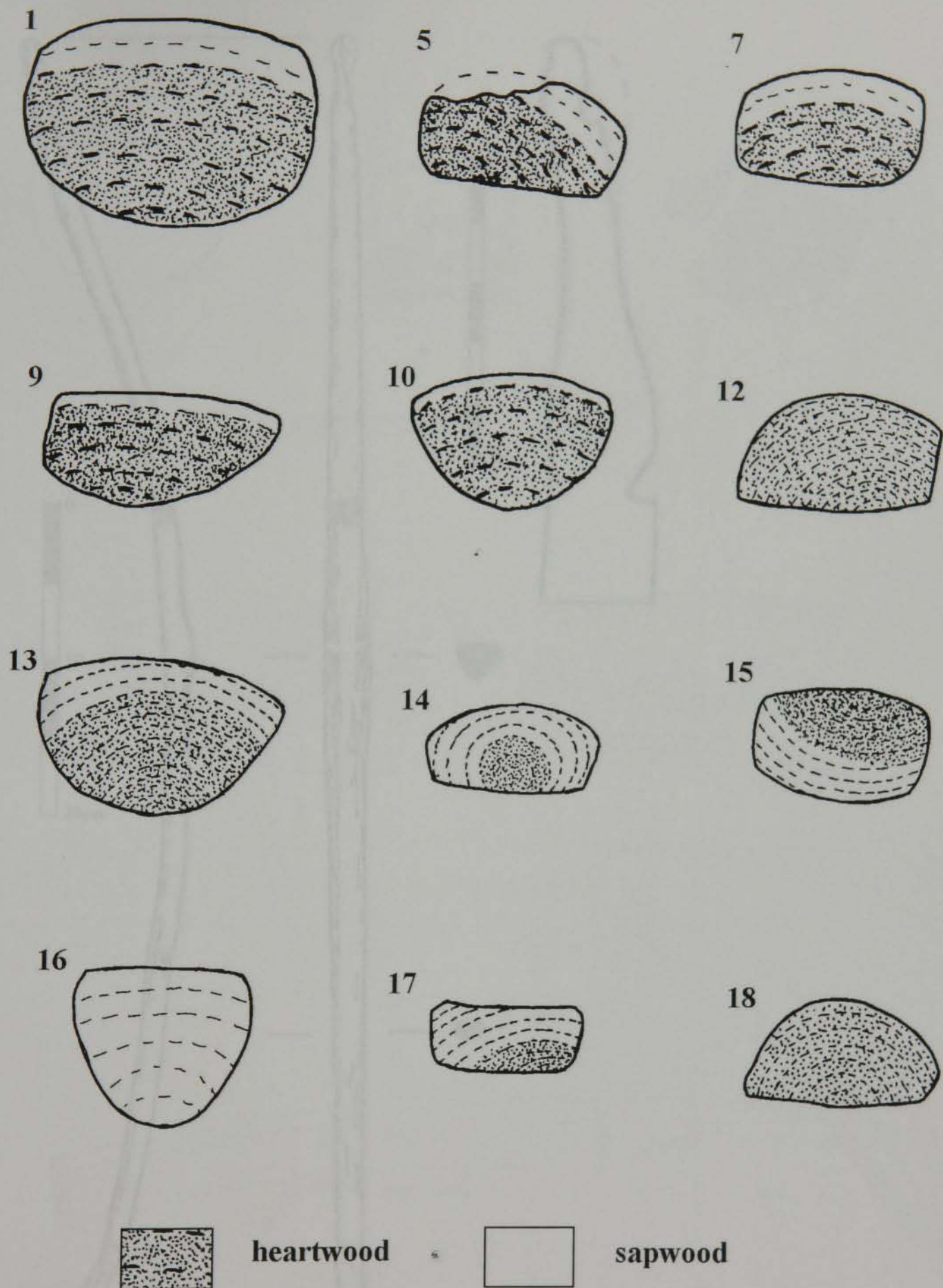


Figure 39 : Maximum cross-sections of yew bows, nos 1, 5, 7, 9, 10 and 12-18, shown with back uppermost, showing possible distribution of sapwood and heartwood.

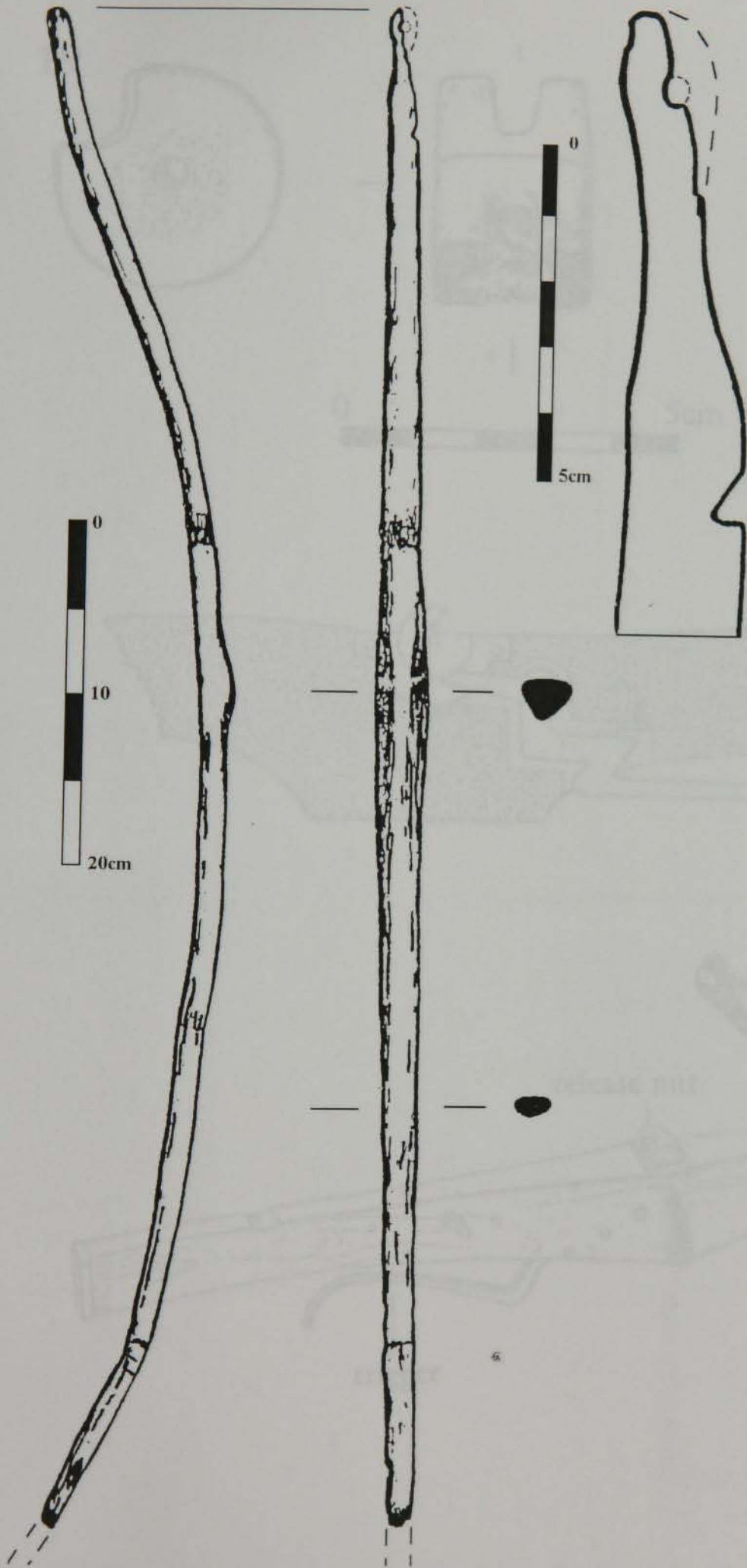


Figure 40 : Bow from Adare castle, Co. Limerick (after Rynne).

19

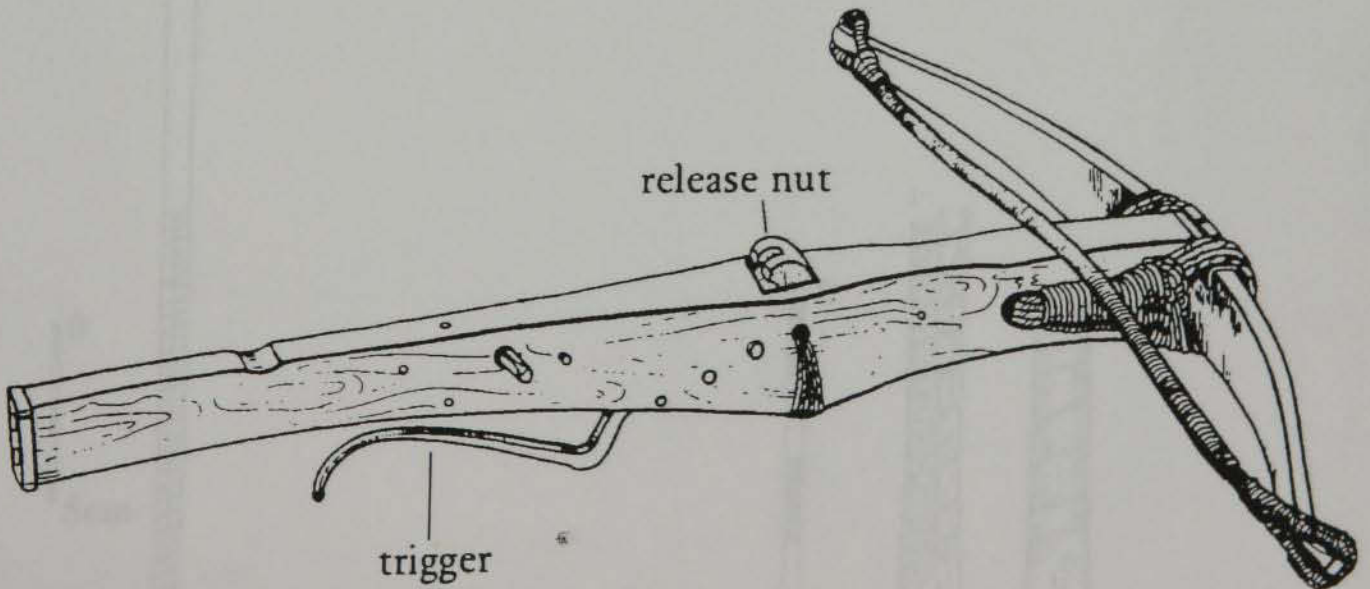
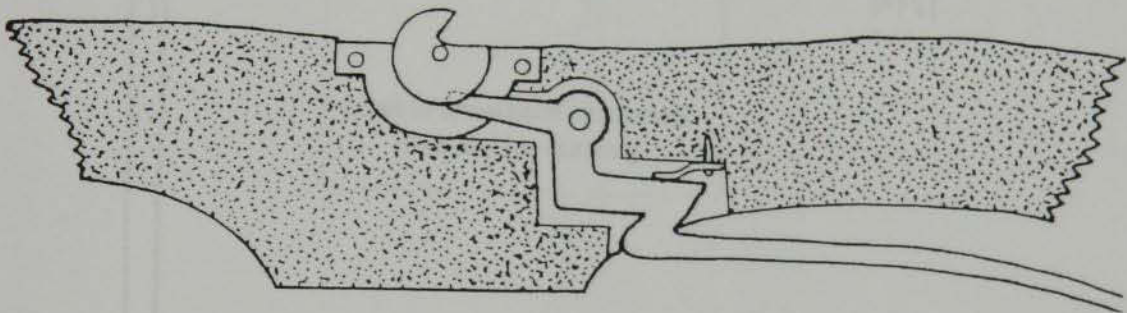
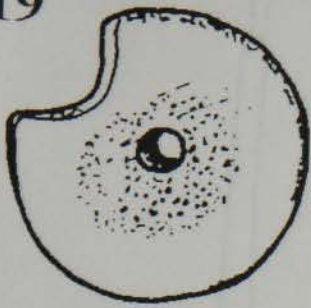


Figure 41 : Crossbow nut of antler, no. 19, with reconstructed cross-section through a medieval crossbow, showing position of nut in trigger mechanism.

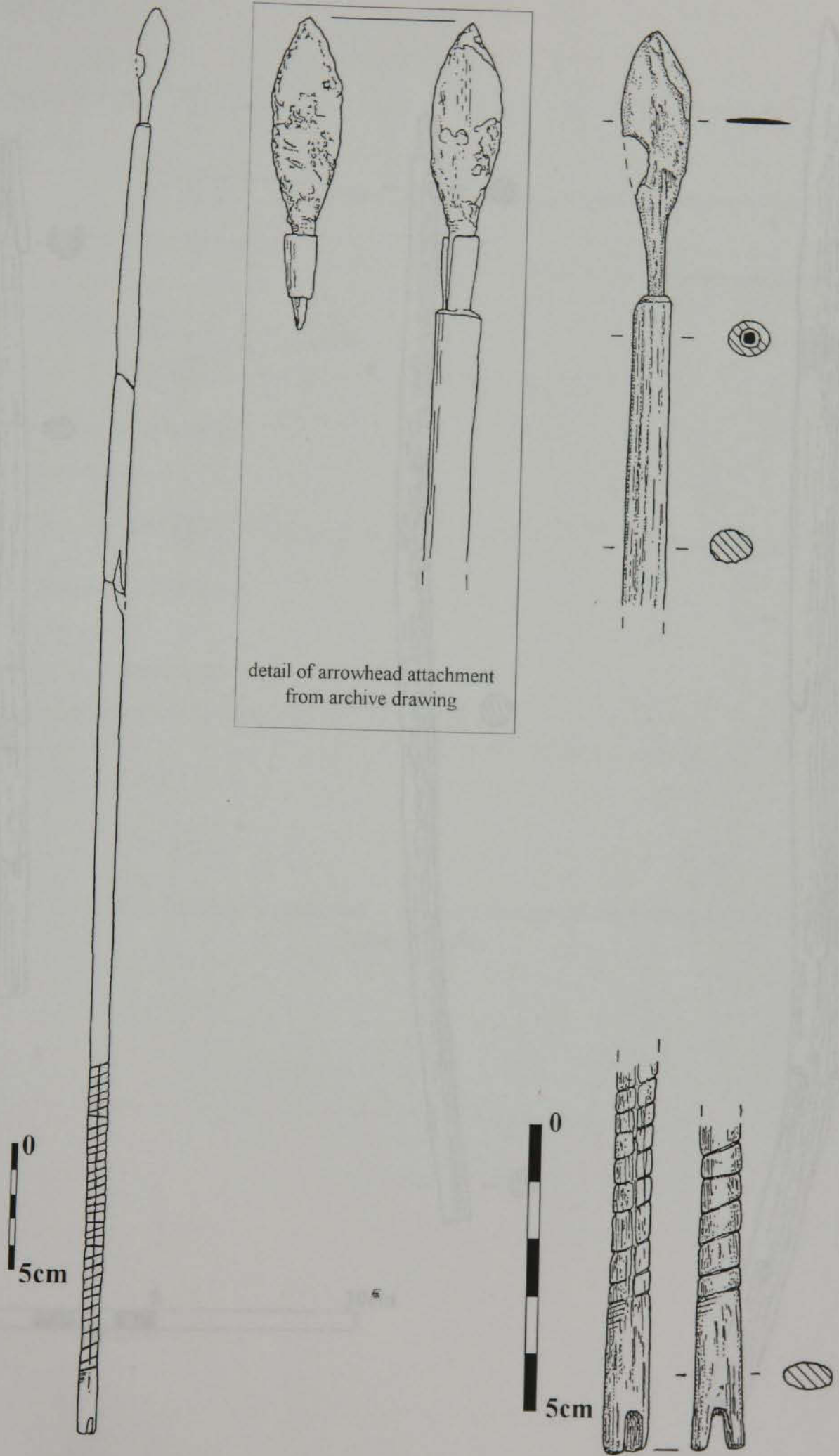


Figure 42 : Arrow no. 5.

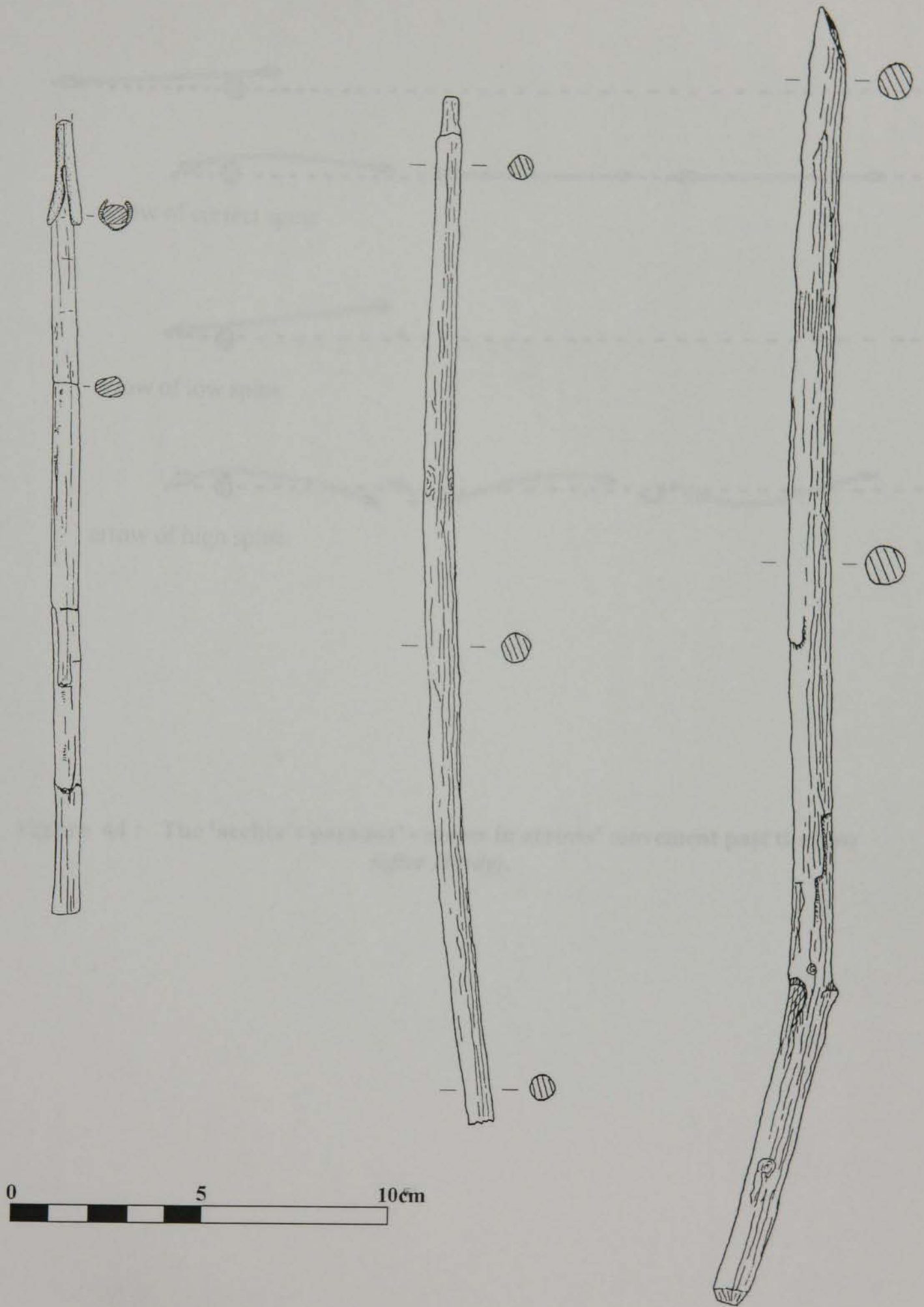


Figure 43 : Arrow fragment no. 4, and possible fragments nos 2 and 3.

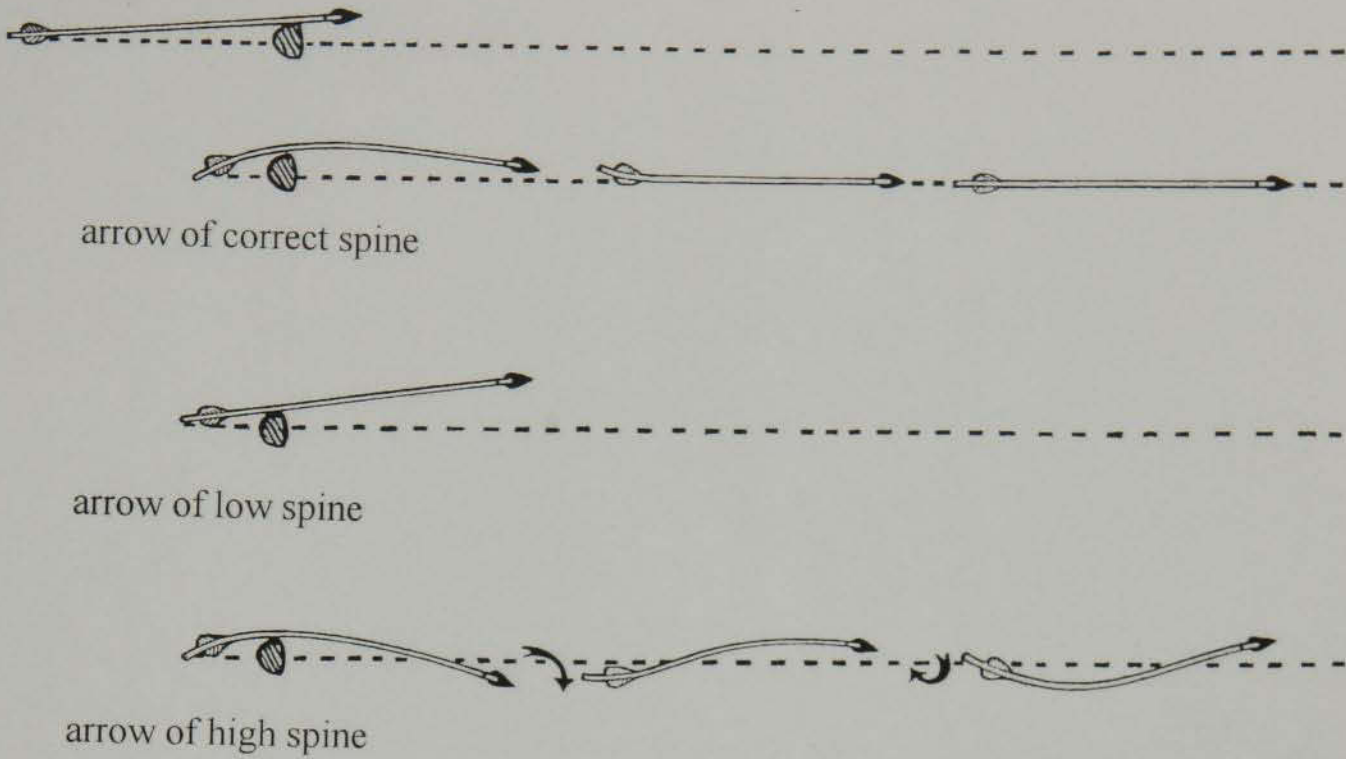


Figure 44 : The 'archer's paradox' - stages in arrows' movement past the bow
(after Hardy).





