

6 CHARRED PLANT REMAINS by Gill Campbell

6.1 Tables of charred plant remains from specific features

Table 1. Charred plant remains from Late Iron Age contexts at Grateley

| | Sample | 2847 | 3141 | 3362 | 3368 |
|--|----------------------|--------|--------|--------|---------|
| | Context | F708/3 | F735/3 | F793/8 | F793/14 |
| | % of sample analysed | 25% | 25% | 100% | 100% |
| TAXON | | | | | |
| <i>Pteridium aquilinum</i> (L.) Kuhn (pinnule frag.) | | - | 1 | - | - |
| <i>Ranunculus acris/repens/bulbosus</i> | | - | - | 2 | - |
| <i>Corylus avellana</i> L. (nutshell frag.) | | - | 1 | - | - |
| <i>Chenopodium</i> cf. <i>album</i> L. | | - | 2 | 1 | 1 |
| <i>Atriplex</i> sp. | | 64 | - | 3 | 3 |
| Chenopodiaceae indet. | | - | - | 1 | 1 |
| <i>Silene</i> sp. | | - | 1 | - | - |
| <i>Stellaria media</i> gp. | | - | 3 | - | - |
| <i>S. graminea</i> L. | | - | 1 | - | - |
| cf. <i>Spergula arvensis</i> L. | | - | - | - | 1 |
| Caryophyllaceae indet. | | - | - | 1 | - |
| <i>Polygonum aviculare</i> agg. | | 5 | 1 | - | - |
| <i>Fallopia convolvulus</i> (L.) A. Love | | 2 | 1 | - | - |
| <i>Rumex</i> sp(p). | | 4 | 1 | 3 | 1 |
| cf. <i>Rumex</i> sp. | | - | - | 1 | - |
| Polygonaceae indet. | | 3 | 4 | 1 | 1 |
| <i>Malva</i> sp. | | 1 | - | - | - |
| cf. <i>Brassica</i> (fruit case frag.) | | - | - | - | 1 |
| <i>Potentilla/Fragaria</i> sp. | | - | 1 | - | - |
| <i>Aphanes arvensis sens. Lato</i> | | - | 1 | - | - |
| <i>Prunus spinosa</i> L. | | - | - | - | 1 |
| <i>Vicia/Lathyrus</i> sp. | | 5 | 10 | 9 | 2 |
| cf. <i>Pisum sativum</i> L. | | - | - | 1 | - |
| <i>Medicago</i> type | | 1 | 1 | 1 | 1 |
| Fabaceae (large) indet. | | - | 1 | - | 4 |
| Fabaceae (small) indet. | | 3 | 5 | 3 | - |
| Apiaceae indet. | | - | 5 | 2 | - |
| <i>Lithospermum arvense</i> L. | | 3 | 13 | - | 1 |
| <i>Plantago media/lanceolata</i> | | - | 1 | - | - |
| <i>Euphrasia/Odontites</i> sp. | | - | - | 2 | 1 |
| <i>Sherardia arvensis</i> L. | | 2 | 5 | 1 | - |
| cf. <i>S. arvensis</i> L. | | - | 1 | - | - |
| <i>Galium</i> cf. <i>aparine</i> L. | | 12 | 30 | 5 | - |
| <i>Galium</i> sp (p). | | - | 1 | 5 | 1 |
| <i>Sambucus nigra</i> L. | | 1 | 1 | - | - |
| <i>Valerianella dentata</i> (L.) Pollich | | 1 | 3 | 2 | - |
| <i>Anthemis arvensis</i> L. | | 7 | 33 | - | - |
| <i>Tripleurospermum</i> sp. | | 2 | 19 | 4 | 1 |
| Asteraceae (large) indet. | | - | - | 1 | - |
| Cyperaceae indet. | | - | - | - | 1 |
| <i>Lolium</i> sp. | | 4 | 7 | 13 | - |

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|---|----------------------|--------|---------|--------|---------|
| | Context | F708/3 | F735/3 | F793/8 | F793/14 |
| | % of sample analysed | 25% | 25% | 100% | 100% |
| <i>Avena</i> sp. | | - | 1 | - | - |
| <i>Bromus</i> sp. | | 1 | - | 4 | 1 |
| Poaceae (large) indet. | | - | 2 | 3 | 1 |
| Poaceae (small) indet. | | 15 | 33 | 54 | 16 |
| Poaceae indet. (chaff) | | - | - | 1 | - |
| Poaceae indet. (straw/stem) | | - | - | - | 1 |
| cf. Poaceae indet. | | 2 | - | - | - |
| <i>Triticum spelta</i> L. (glume base) | | 8 | 27 | 36 | 9 |
| <i>T. spelta</i> L. (rachis internode) | | 1 | 1 | - | - |
| <i>T. spelta</i> type (grain) | | 1 | 1 | 1 | - |
| <i>T. cf. spelta</i> (glume base) | | - | - | 4 | 1 |
| <i>T. cf. spelta</i> (spikelet fork) | | 1 | - | - | 1 |
| <i>T. dicoccum/spelta</i> (glume base) | | 8 | 34 | 18 | 12 |
| <i>T. dicoccum/spelta</i> (spikelet fork) | | - | 3 | 1 | 2 |
| <i>T. dicoccum/spelta</i> type (grain) | | 7 | 4 | - | 2 |
| <i>Triticum</i> sp. (grain) | | 24 | 11 | 14 | 2 |
| <i>Triticum</i> sp. (glume base) | | 1 | 3 | - | - |
| <i>Triticum</i> sp. (spikelet fork) | | - | 1 | - | - |
| <i>Triticum</i> sp. (rachis internode) | | - | 1 | - | - |
| cf. <i>Triticum</i> sp. (grain) | | - | - | 2 | - |
| <i>Hordeum vulgare</i> L. (rachis) | | - | 3 | 3 | - |
| <i>Hordeum</i> sp. (hulled straight grain) | | 4 | 1 | - | - |
| <i>Hordeum</i> sp. (hulled straight sprouted grain) | | 2 | - | - | - |
| <i>Hordeum</i> sp. (hulled twisted grain) | | 7 | - | - | - |
| <i>Hordeum</i> sp. (hulled grain) | | 22 | 3 | 4 | 4 |
| <i>Hordeum</i> sp. (hulled sprouted grain) | | 1 | - | - | - |
| <i>Hordeum</i> sp. (grain) | | 35 | 10 | 6 | - |
| <i>Hordeum</i> sp. (floret base) | | - | 1 | - | - |
| <i>Hordeum</i> sp. (rachis) | | - | 2 | 2 | - |
| <i>Secale/Hordeum</i> sp. (rachis) | | 1 | 3 | 4 | - |
| Cereales indet. (grain) | | 62 | 47 | 34 | 10 |
| Cereales indet. (chaff) | | - | 3 | 1 | 2 |
| Cereal size (embryo) | | 2 | - | 1 | - |
| Cereal size (sprout) | | 1 | - | - | - |
| Poaceae size (culm node) | | - | - | - | 1 |
| Bud | | - | - | 1 | - |
| Leaf/bud scar | | - | 1 | - | - |
| Indeterminate | | 5 | 12 | 8 | 7 |
| Total number of items identified | | 331 | 361 | 264 | 94 |
| Number of litres processed | | 20 | 20 | 18 | 24 |
| Number of items per litre | | 66 | 72 | 15 | 4 |
| Total weeds | | 137 | 187 | 122 | 39 |
| Total grain | | 165 | 77 | 61 | 18 |
| RATIO 3 | | 0.8303 | 2.42857 | 2 | 2.16667 |

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|------------------------------|----------------------|---------|---------|--------|---------|
| | Context | F708/3 | F735/3 | F793/8 | F793/14 |
| | % of sample analysed | 25% | 25% | 100% | 100% |
| Total glume bases | | 17 | 64 | 58 | 22 |
| Total spikelet forks | | 1 | 4 | 1 | 3 |
| Spikelet forks x 2 | | 2 | 8 | 2 | 6 |
| Total wheat chaff | | 19 | 72 | 60 | 28 |
| Total wheat grain | | 32 | 16 | 17 | 4 |
| Plus percentage indet. grain | | 19 | 25 | 22 | 5 |
| Total wheat grain | | 51 | 41 | 39 | 9 |
| RATIO 1 | | 0.37255 | 1.7561 | 1.5385 | 3.11111 |
| Total barley chaff | | 1 | 8 | 9 | 0 |
| Total barley grain | | 71 | 14 | 10 | 4 |
| Plus percentage indet. grain | | 43 | 22 | 13 | |
| Total barley grain | | 114 | 36 | 23 | 4 |
| RATIO 2 | | 0.00877 | 0.22222 | 0.3913 | |

Table 2. Charred plant remains from corn drying ovens 1, 2 and 3 at Grateley

| Sample | 3326 | 3447 ¹ | 3358 ² | 3359 | 3360 | 3355 | 3356 | 3357 | 3325 | 3349 |
|--|-------------|-------------------|-------------------|----------|----------|-----------|-----------|-----------|----------|-------------|
| | CD1 left | CD1 left | CD2 left | CD2 left | CD2 left | CD2 right | CD2 right | CD2 right | CD3 left | CD3 left |
| | longitud'nl | longitud'nl | cross | cross | cross | cross | cross | cross | cross | longitud'nl |
| Context | F827/1 | F827/466 | F820/7 | F820/7 | F820/7 | F819/8 | F819/8 | F819/8 | F844/2 | F845/6/7/8 |
| % of sample analysed | 100 | 12.50% | 25% | 25% | 50% | 25% | 25% | 25% | 100% | 6.25% |
| TAXON | | | | | | | | | | |
| <i>Ranunculus acris/repens/bulbosus</i> | - | - | - | - | - | - | - | - | - | 1 |
| <i>Papaver somniferum</i> L. | 8 | - | - | - | - | - | - | 1 | 4 | 42 |
| <i>Papaver rhoeas/dubium/hybridum</i> | - | - | - | - | - | - | - | - | 2 | 11 |
| <i>Papaver rhoeas/dubium/hybridum</i> - silicified | - | - | - | - | - | - | - | - | - | 60 |
| <i>Papaver argemone</i> L. | - | - | - | - | - | - | - | - | - | 1 |
| <i>Papaver</i> sp. | - | - | - | - | 3 | - | - | 1 | 2 | 56 |
| <i>Papaver</i> sp. – silicified | - | 40 | - | - | - | - | - | - | - | - |
| cf. <i>Papaver</i> sp. | 4 | - | - | - | - | - | - | - | - | - |
| <i>Atriplex</i> sp. | - | - | - | - | - | - | - | - | 1 | 14 |
| <i>Silene</i> sp. | - | - | - | - | 1 | - | - | - | - | - |
| Chenopodiaceae/Caryophyllaceae indet. | - | - | - | - | - | - | - | - | - | 1 |
| <i>Persicaria</i> sp. | - | - | - | - | - | - | - | - | - | 1 |
| <i>Polygonum aviculare</i> type | - | - | - | - | - | - | - | - | - | 4 |
| <i>Fallopia convolvulus</i> (L.) A. Love | - | - | - | - | 1 | - | - | - | - | 1 |
| <i>Rumex</i> sp(p). | 14 | 1 | - | - | - | 1 | - | - | 2 | 10 |
| Polygonaceae indet. | 1 | - | - | - | - | - | - | - | 1 | - |
| <i>Potentilla</i> sp. | 12 | - | - | - | - | - | - | - | - | - |
| <i>Potentilla/Fragaria</i> sp. | - | 1 | - | - | - | - | - | - | - | 1 |
| <i>Prunus/Crateagus</i> sp. (thorn) | - | - | - | - | - | - | 1 | - | - | - |
| cf. <i>Lathyrus nissolia</i> L. | - | - | - | - | - | - | - | - | - | 1 |
| <i>Vicia/Lathyrus</i> sp. | - | - | 1 | - | - | - | 1 | - | 1 | - |
| cf. <i>Medicago lupulina</i> L. | - | - | - | - | - | - | - | - | - | 1 |
| <i>Medicago</i> type | 1 | - | - | - | - | - | - | - | - | - |
| Fabaceae (large) indet. | - | - | - | - | - | - | - | - | 1 | - |
| Fabaceae (small) indet. | - | - | - | - | 1 | - | - | - | 1 | 14 |

| Sample | 3326 | 3447 ¹ | 3358 ² | 3359 | 3360 | 3355 | 3356 | 3357 | 3325 | 3349 |
|--|--------------|-------------------|-------------------|----------|----------|-----------|-----------|-----------|----------|--------------|
| | CD1 left | CD1 left | CD2 left | CD2 left | CD2 left | CD2 right | CD2 right | CD2 right | CD3 left | CD3 left |
| | longitud'n/l | longitud'n/l | cross | cross | cross | cross | cross | cross | cross | longitud'n/l |
| Context | F827/1 | F827/466 | F820/7 | F820/7 | F820/7 | F819/8 | F819/8 | F819/8 | F844/2 | F845/6/7/8 |
| % of sample analysed | 100 | 12.50% | 25% | 25% | 50% | 25% | 25% | 25% | 100% | 6.25% |
| Fabaceae indet. (pod frag.) | - | - | - | - | - | - | - | - | 1 | - |
| Apiaceae indet. | - | 1 | - | - | 1 | - | - | - | - | - |
| <i>Lithospermum arvense</i> L. | - | - | - | - | 1 | - | - | - | 10 | 4 |
| <i>Prunella vulgaris</i> L. | - | - | - | - | - | - | - | - | - | 1 |
| cf. <i>Prunella vulgaris</i> L. | - | - | - | - | - | - | - | - | - | 1 |
| <i>Galeopsis</i> sp. | - | - | - | - | - | 3 | 2 | 1 | - | - |
| <i>Plantago media/lanceolata</i> | 2 | - | - | - | - | - | - | - | - | 1 |
| cf. <i>Fraxinus excelsior</i> (frag. of key) | - | - | - | - | - | - | - | - | - | 1 |
| <i>Galium</i> cf. <i>aparine</i> L. | - | - | - | 1 | - | - | - | - | 4 | - |
| <i>Centaurea nigra</i> L. | - | 1 | - | - | - | - | - | - | 1 | 3 |
| <i>Centaurea</i> sp. | - | 1 | - | - | - | - | - | - | - | - |
| <i>Anthemis cotula</i> L. | - | - | - | - | - | - | - | - | 3 | - |
| <i>Tripleurospermum</i> sp. | 4 | - | - | 1 | 18 | 7 | 6 | 35 | 6 | 26 |
| Asteraceae (large) indet. | - | - | - | - | - | - | - | 1 | 1 | 6 |
| Asteraceae (small) indet. | - | - | - | - | 1 | - | - | 1 | 1 | 2 |
| <i>Carex</i> sp. | 4 | - | - | - | 2 | - | - | - | - | - |
| Cyperaceae indet. | - | - | - | - | - | - | - | 1 | - | - |
| <i>Lolium</i> sp. | - | - | - | - | - | - | 1 | - | 2 | 4 |
| cf. <i>Lolium</i> sp. | - | - | - | - | 2 | - | - | - | - | - |
| <i>Poa annua</i> type | - | - | - | - | 2 | - | - | - | - | 17 |
| <i>Avena</i> sp. | - | - | - | - | - | - | 1 | - | - | 1 |
| <i>Avena</i> type (awn) | - | - | - | - | - | - | - | - | - | 1 |
| <i>Bromus hordeaceus</i> type | - | - | - | - | - | - | - | - | - | 1 |
| <i>Bromus</i> sp. | 1 | - | - | - | 1 | 1 | - | - | - | 1 |
| Poaceae (large) indet. | 8 | 2 | - | - | 3 | - | - | - | - | - |
| Poaceae (small) indet. | 8 | 2 | 1 | - | 4 | 1 | 1 | 1 | 12 | 73 |
| Poaceae indet. (spikelet) | 4 | - | - | - | - | - | - | - | - | 1 |
| Poaceae indet. (chaff) – silicified | - | - | - | - | - | - | - | - | - | 20 |
| <i>Allium vineale</i> type (bulbil) | - | - | - | - | 4 | 5 | 2 | - | - | - |

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|--|-------------|-------------------|-------------------|----------|----------|-----------|-----------|-----------|----------|-------------|
| | CD1 left | CD1 left | CD2 left | CD2 left | CD2 left | CD2 right | CD2 right | CD2 right | CD3 left | CD3 left |
| | longitud'nl | longitud'nl | cross | cross | cross | cross | cross | cross | cross | longitud'nl |
| Context | F827/1 | F827/466 | F820/7 | F820/7 | F820/7 | F819/8 | F819/8 | F819/8 | F844/2 | F845/6/7/8 |
| % of sample analysed | 100 | 12.50% | 25% | 25% | 50% | 25% | 25% | 25% | 100% | 6.25% |
| <i>Triticum</i> sp. hexaploid, free-threshing (rachis) | - | - | - | - | - | - | - | - | - | 2 |
| <i>Triticum</i> sp. free-threshing type (grain) | - | - | 1 | - | 1 | 3 | 1 | - | - | - |
| <i>Triticum spelta</i> L. (glume base) | 41 | 108 | 3 | 5 | 13 | 34 | 7 | 9 | 65 | 199 |
| <i>T. spelta</i> L. (spikelet fork) | - | 2 | - | 2 | 10 | 19 | 5 | 1 | 4 | 5 |
| <i>T. spelta</i> L. (rachis internode) | - | 20 | 2 | 3 | 5 | 5 | 1 | 3 | 11 | 51 |
| <i>T. spelta</i> type (grain) | 1 | - | 4 | 6 | 26 | 85 | 11 | 31 | 19 | 14 |
| <i>T. spelta</i> type (sprouted grain) | - | - | - | - | 26 | - | - | - | - | - |
| <i>T. spelta</i> type (short, fat grain) | - | - | 1 | - | 4 | 2 | 1 | 1 | - | - |
| <i>T. spelta</i> type (grain with insect attack) | - | - | - | - | - | - | - | 1 | - | - |
| <i>T. cf. spelta</i> (glume base) | 6 | 35 | - | 2 | 1 | 8 | - | - | 4 | 16 |
| <i>T. cf. spelta</i> (spikelet fork) | - | - | - | 1 | - | 6 | - | - | - | 6 |
| <i>T. dicoccum/spelta</i> (glume base) | 245 | 194 | 10 | 9 | 17 | 20 | 10 | 17 | 63 | 443 |
| <i>T. dicoccum/spelta</i> (spikelet fork) | 12 | 36 | 4 | 9 | 14 | 20 | 9 | 6 | 10 | 18 |
| <i>T. dicoccum/spelta</i> type (grain) | 4 | - | 14 | 23 | 112 | 61 | 27 | 30 | 23 | 11 |
| <i>T. dicoccum/spelta</i> type (sprouted grain) | 9 | 2 | 3 | 8 | 131 | 4 | 3 | - | 13 | - |
| <i>Triticum</i> sp. (grain) | 24 | 4 | - | 58 | 208 | 130 | 73 | 67 | 60 | 16 |
| <i>Triticum</i> sp. (sprouted grain) | 17 | 1 | - | 5 | - | 1 | 2 | - | 12 | 1 |
| <i>Triticum</i> sp. (glume beak) | - | 49 | - | - | - | - | - | - | - | - |
| <i>Triticum</i> sp. (glume beak) – silicified | - | 760 | - | - | - | - | - | - | - | 180 |
| <i>Triticum</i> sp. (glume base) | 164 | - | - | - | - | - | 1 | 1 | - | 16 |
| <i>Triticum</i> sp. (spikelet fork) | 45 | - | - | - | 1 | - | - | 2 | 1 | 7 |
| <i>Triticum</i> sp. (rachis internode) | 13 | 13 | - | 1 | 5 | 2 | - | - | 13 | 65 |
| <i>Triticum</i> sp. (chaff) | 44 | - | 1 | - | - | - | - | - | - | - |
| cf. <i>Triticum</i> sp. (grain) | - | - | - | 2 | 23 | 16 | - | - | - | 11 |
| <i>Triticum/Secale</i> sp. (awn) | - | - | - | 1 | - | - | - | - | 3 | 18 |
| <i>Triticum/Secale</i> sp. (awn) – silicified | 48 | 558800 | 2 | - | - | - | - | 241 | - | 4260 |
| <i>Hordeum vulgare</i> L. (rachis) | - | - | - | - | 1 | - | - | - | - | - |
| <i>Hordeum</i> sp. (hulled, straight grain) | - | - | - | - | 1 | 2 | - | - | 2 | - |
| <i>Hordeum</i> sp. (hulled, straight, sprouted grain) | - | - | - | 1 | 2 | - | - | - | 1 | 1 |

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|--|--------------|-------------------|-------------------|----------|----------|-----------|-----------|-----------|----------|--------------|
| | CD1 left | CD1 left | CD2 left | CD2 left | CD2 left | CD2 right | CD2 right | CD2 right | CD3 left | CD3 left |
| | longitud'n'l | longitud'n'l | cross | cross | cross | cross | cross | cross | cross | longitud'n'l |
| Context | F827/1 | F827/466 | F820/7 | F820/7 | F820/7 | F819/8 | F819/8 | F819/8 | F844/2 | F845/6/7/8 |
| % of sample analysed | 100 | 12.50% | 25% | 25% | 50% | 25% | 25% | 25% | 100% | 6.25% |
| <i>Hordeum</i> sp. (hulled, twisted grain) | 1 | - | - | - | 2 | 1 | - | 1 | 2 | 1 |
| <i>Hordeum</i> sp. (hulled, twisted, sprouted grain) | - | - | - | - | 2 | - | - | - | 1 | - |
| <i>Hordeum</i> sp. (hulled grain) | - | - | 1 | - | 1 | 5 | 2 | 2 | 8 | - |
| <i>Hordeum</i> sp. (sprouted, hulled grain) | - | - | - | - | 1 | - | - | - | 1 | - |
| <i>Hordeum</i> sp. (grain) | 2 | - | - | - | 9 | 1 | 1 | 1 | 5 | - |
| <i>Hordeum</i> sp. (awn) | - | - | - | - | - | - | - | 10 | - | 10 |
| <i>Hordeum</i> sp. (awn) – silicified | | 440 | - | - | - | - | - | - | - | - |
| <i>Hordeum</i> sp. (rachis) | 5 | - | - | - | 1 | 2 | - | - | - | 2 |
| cf. <i>Hordeum</i> sp. (grain) | - | - | 3 | - | 3 | 1 | - | - | - | 2 |
| <i>Secale/Hordeum</i> sp. (rachis) | - | 1 | - | - | - | - | - | - | - | 3 |
| Cereales indet. (grain) | 70 | 20 | 28 | 14 | 193 | 159 | 64 | 44 | 112 | 9 |
| Cereales indet. (sprouted grain) | 5 | - | - | - | 1 | - | - | - | - | - |
| Cereales indet. (culm node) | - | - | 1 | - | - | - | - | - | - | - |
| Cereales indet. (chaff) | 10 | - | - | - | - | 1 | - | - | - | 8 |
| Cereal size (embryo) | 27 | - | 4 | 3 | 2 | 4 | 5 | 6 | 4 | 11 |
| Cereal size (sprout) | 988 | 41 | 6 | 14 | 130 | 6 | 2 | 4 | 42 | 22 |
| ?Mouse dropping | - | - | - | - | 1 | 5 | 8 | 2 | 4 | - |
| Charred insect larva/pupa | - | - | - | - | - | - | - | - | 1 | 4 |
| Indeterminate mineralized seed | - | - | - | - | - | - | - | - | 1 | - |
| Charred Ignota | 15 | 3 | 3 | 1 | 2 | 2 | - | 2 | 12 | 18 |
| Total number of items identified | 1867 | 560578 | 93 | 170 | 994 | 623 | 248 | 524 | 553 | 5813 |
| Number of litres processed | 2 | 30 | 8 | 8 | 8 | 9 | 10 | 7.5 | 12 | 27 |
| Items per litre | 934 | 149487 | 47 | 85 | 249 | 277 | 99 | 279 | 46 | 3445 |

¹ Only 1/40 of the sub-sample was sorted for silica

² This sample also contained the lower jaw of a house mouse

| | Sample | 3326 | 3447 ¹ | 3358 ² | 3359 | 3360 | 3355 | 3356 | 3357 | 3325 | 3349 |
|--------------------------------------|----------------------|--------------|-------------------|-------------------|----------|----------|-----------|-----------|-----------|----------|--------------|
| | | CD1 left | CD1 left | CD2 left | CD2 left | CD2 left | CD2 right | CD2 right | CD2 right | CD3 left | CD3 left |
| | | longitud'n'l | longitud'n'l | cross | cross | cross | cross | cross | cross | cross | longitud'n'l |
| | Context | F827/1 | F827/466 | F820/7 | F820/7 | F820/7 | F819/8 | F819/8 | F819/8 | F844/2 | F845/6/7/8 |
| | % of sample analysed | 100 | 12.50% | 25% | 25% | 50% | 25% | 25% | 25% | 100% | 6.25% |
| Total weeds | | 67 | 49 | 2 | 2 | 45 | 18 | 14 | 42 | 55 | 360 |
| Total sprouted grain | | 22 | 1 | 0 | 6 | 32 | 1 | 2 | 0 | 15 | 2 |
| Total grain | | 133 | 27 | 55 | 117 | 746 | 471 | 185 | 178 | 259 | 66 |
| | | 17% | 4% | 0% | 5% | 4% | 0% | 1% | 0% | 6% | 3% |
| RATIO 3 | | 0.503759 | 1.814815 | 0.03636 | 0.01709 | 0.06032 | 0.03822 | 0.07568 | 0.23596 | 0.212355 | 5.4545455 |
| Total glume bases | | 456 | 337 | 13 | 16 | 31 | 62 | 18 | 27 | 132 | 674 |
| Total spikelet forks | | 57 | 38 | 4 | 12 | 25 | 45 | 14 | 9 | 15 | 36 |
| Spikelet forks x 2 | | 114 | 76 | 8 | 24 | 50 | 90 | 28 | 18 | 30 | 72 |
| Total wheat chaff | | 570 | 413 | 21 | 40 | 81 | 152 | 46 | 45 | 162 | 746 |
| Total hulled wheat grain | | 55 | 7 | 23 | 102 | 531 | 302 | 118 | 130 | 127 | 53 |
| Plus percentage indet. grain | | 75 | 20 | 23 | 14 | 186 | 152 | 62 | 43 | 97 | 8 |
| Total hulled wheat grain – corrected | | 130 | 27 | 46 | 116 | 717 | 454 | 180 | 173 | 224 | 61 |
| %Hulled wheat in sample | | 95 | 100 | 82 | 99 | 96 | 96 | 97 | 97 | 86 | 92 |
| RATIO 1 | | 4.38 | 15.30 | 0.46 | 0.34 | 0.11 | 0.33 | 0.26 | 0.26 | 0.72 | 12.23 |
| Total barley chaff | | 5 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 5 |
| Total barley grain | | 3 | 0 | 4 | 1 | 21 | 10 | 3 | 4 | 20 | 4 |
| | | 0.529191 | 0 | 0.06452 | 0.08235 | 0.13078 | 0.00963 | 0.00806 | 0.00763 | 0.075949 | 0.0037846 |

Table 3. Plant remains from Corn Drier 4

| SAMPLE | 3196 | 3214 | 3200 | 3218 | 3219 | 3205 | 3223 | 3209 | 3227 | 3210 |
|---|--------|-------|--------|-------|-------|--------|-------|--------|-------|--------|
| LOCATION | SQ1/1 | SQ2/2 | SQ2/1 | SQ2/2 | SQ3/2 | SQ4/1 | SQ4/2 | SQ5/1 | SQ5/2 | SQ6/1 |
| volume sieved in litres | 0.51 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | 12.50% | 25% | 12.50% | 25% | 25% | 12.50% | 25% | 12.50% | 25% | 12.50% |
| TAXA | | | | | | | | | | |
| Agrostemma githago L. | 8 | - | - | - | - | - | - | 2 | 4 | - |
| Caryophyllaceae indet. | - | - | - | - | 4 | - | - | - | 4 | - |
| Rumex sp. | - | - | 8 | - | - | - | - | - | - | - |
| Anthemis cotula L. | 8 | - | - | - | - | - | - | 8 | - | - |
| Tripleurospermum sp. Schultz Bip | 8 | - | - | - | - | - | - | - | - | - |
| Carduus/Cirsium sp. | - | - | - | - | - | - | - | 8 | - | - |
| Asteraceae (large) indet. | - | - | - | - | - | - | - | 24 | - | - |
| Asteraceae (small) indet. | 16 | - | - | - | - | - | - | 8 | - | - |
| Bromus hordeaceus type | 8 | - | - | - | - | - | - | 8 | - | - |
| cf. Bromus sp. | - | - | - | - | - | - | - | - | 4 | - |
| Avena sp. (grain) | - | 8 | - | - | 4 | 8 | 16 | 16 | 24 | 8 |
| Avena cf. fatua L. (floret) | - | - | - | - | - | - | - | 16 | 4 | - |
| cf. Avena sp. (awn) | 8 | - | - | - | - | - | - | 8 | - | - |
| Poaceae (large) indet. | - | 16 | - | - | 12 | - | 8 | - | 72 | 8 |
| Poaceae (small) indet. | 8 | - | 16 | - | - | - | - | - | 4 | 8 |
| cf. T. dicoccum (Schrank.) Schulb. (spikelet fork) | - | - | - | - | - | 8 | - | - | - | - |
| Triticum dicoccum (Schrank.) Schulb. type (grain) | 8 | - | - | - | - | - | - | - | - | - |
| cf. Triticum dicoccum (Schrank.) Schulb. type (grain) | 8 | - | - | - | - | - | - | 8 | 16 | - |
| Triticum, free-threshing type (grain) | - | - | 16 | - | 28 | - | 40 | - | - | 16 |
| T. spelta L. (spikelet) | - | - | - | - | - | - | - | 31 | - | - |
| T. spelta L. (glume base) | 112 | 28 | 64 | 16 | 64 | 40 | 108 | 592 | 112 | 32 |
| T. spelta L. (spikelet fork) | 136 | 28 | 56 | 12 | 48 | 88 | 24 | 411 | 108 | 32 |
| T. spelta L. (terminal spikelet fork) | 24 | - | - | - | - | 8 | - | - | - | - |
| T. spelta L. (rachis internode) | 24 | - | 8 | - | - | 1 | - | 40 | - | 8 |
| Triticum spelta L. type (grain) | 121 | 149 | | 82 | 264 | 43 | 276 | 1582 | 180 | 65 |

| SAMPLE | 3196 | 3214 | 3200 | 3218 | 3219 | 3205 | 3223 | 3209 | 3227 | 3210 |
|---|--------|-------|--------|-------|-------|--------|-------|--------|-------|--------|
| LOCATION | SQ1/1 | SQ2/2 | SQ2/1 | SQ2/2 | SQ3/2 | SQ4/1 | SQ4/2 | SQ5/1 | SQ5/2 | SQ6/1 |
| volume sieved in litres | 0.51 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | 12.50% | 25% | 12.50% | 25% | 25% | 12.50% | 25% | 12.50% | 25% | 12.50% |
| Triticum spelta L. type (sprouted grain) | - | - | - | - | - | - | - | - | - | - |
| Triticum spelta L. type (short fat grain) | - | - | - | - | - | - | - | 72 | - | - |
| T. dicoccum/spelta (glume base) | 200 | - | 184 | 16 | - | 128 | 8 | - | - | 48 |
| T. dicoccum/spelta (spikelet fork) | 136 | - | 112 | - | - | 40 | - | 688 | - | 64 |
| Triticum diococcum/spelta type (grain) | 248 | 44 | 56 | 8 | 180 | 128 | 142 | 1100 | 489 | 209 |
| Triticum diococcum/spelta type (sprouted grain) | - | - | - | - | - | - | - | - | - | - |
| T. diococcum/spelta type (tail grain) | 8 | - | - | - | - | - | - | - | - | - |
| T. dicoccum/spelta (terminal glume base) | - | - | - | - | - | - | - | 24 | - | - |
| T. dicoccum/spelta (terminal spikelet fork) | - | - | - | - | - | - | - | 48 | - | - |
| T. dicoccum/spelta (rachis internode) | 3 | - | 8 | - | - | - | - | 48 | - | - |
| Triticum sp. (grain) | 1908 | 460 | 904 | 1688 | 648 | 488 | 1380 | 1347 | 484 | 585 |
| Triticum sp. (glume base) | 176 | 24 | 40 | 20 | 16 | | 8 | 448 | 20 | 88 |
| Triticum sp. (spikelet fork) | 280 | | 16 | 60 | 4 | 120 | 4 | 560 | 32 | 32 |
| Triticum sp. (rachis internode) | 40 | 4 | - | - | - | 24 | - | 40 | - | - |
| cf. Triticum sp. (grain) | - | - | - | - | - | - | - | 64 | - | - |
| Triticum/Secale sp. (grain) | - | - | - | - | - | - | - | 8 | - | - |
| Triticum/Secale sp. (awn) | 584 | - | 42 | 60 | 40 | 195 | 44 | 2072 | 142 | 368 |
| Triticum/Secale sp. (awn) – silicified | - | - | 336 | - | - | - | - | - | - | - |
| Hordeum vulgare L. (spikelet) | - | - | - | - | - | - | - | 5 | - | - |
| Hordeum sp. (hulled straight grain) | - | - | - | - | - | - | - | 8 | 6 | - |
| Hordeum sp. (hulled twisted grain) | - | - | - | - | - | - | - | 8 | 6 | - |
| Hordeum sp. (hulled grain) | 8 | 12 | - | 4 | 28 | 16 | 32 | 196 | 52 | - |
| Hordeum sp. (grain) | - | - | 1 | - | - | 57 | - | 88 | - | 8 |
| Hordeum sp. (awn) | 8 | - | 8 | - | - | 16 | - | 184 | - | - |
| Hordeum sp. (rachis) | - | - | - | - | - | - | - | - | - | - |
| cf. Hordeum sp. (grain) | 24 | - | 8 | - | - | - | - | - | - | - |
| cf. Hordeum sp. (spikelet) | - | - | 1 | - | - | - | - | - | - | - |
| Cereales indet. (grain) | 3232 | 1364 | 3395 | 2180 | 1704 | 1624 | 500 | 2664 | 648 | 2184 |
| Cereales indet. (chaff) | - | 12 | - | 32 | 16 | - | 28 | - | 16 | 56 |
| Cereales sprout. (embryo) | 128 | - | 3 | 4 | - | 16 | 24 | 568 | 40 | 32 |

| | SAMPLE | 3196 | 3214 | 3200 | 3218 | 3219 | 3205 | 3223 | 3209 | 3227 | 3210 |
|----------------------------------|-------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | LOCATION | SQ1/1 | SQ2/2 | SQ2/1 | SQ2/2 | SQ3/2 | SQ4/1 | SQ4/2 | SQ5/1 | SQ5/2 | SQ6/1 |
| | volume sieved in litres | 0.51 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | 12.50% | 25% | 12.50% | 25% | 25% | 12.50% | 25% | 12.50% | 25% | 12.50% |
| Cereales size (sprout) | | - | 8 | - | - | - | - | 8 | - | - | - |
| Ignota | | - | 8 | 16 | 28 | 4 | 8 | 12 | - | 20 | - |
| Total number of items identified | | 7480 | 2165 | 5280 | 4210 | 3064 | 3056 | 2662 | 12966 | 2487 | 3851 |
| Items per litre | | 14667 | 4330 | 8800 | 8420 | 6128 | 6112 | 5324 | 25932 | 4974 | 7702 |
| Total weeds | | 56 | 24 | 24 | 0 | 20 | 8 | 24 | 74 | 112 | 24 |
| Grain identified to genus | | 2333 | 665 | 984 | 1782 | 1148 | 732 | 1870 | 4481 | 1233 | 883 |
| Cereales indet. (grain) | | 3232 | 1364 | 3395 | 2180 | 1704 | 1624 | 500 | 2664 | 648 | 2184 |
| Total grain | | 4248 | 1400 | 3685 | 2280 | 1816 | 2036 | 632 | 5772 | 884 | 2712 |
| Total glume bases | | 488 | 52 | 288 | 52 | 80 | 168 | 124 | 1064 | 132 | 168 |
| Total spikelet forks | | 576 | 28 | 184 | 72 | 52 | 248 | 28 | 1707 | 140 | 128 |
| Spikelet forks x 2 | | 1152 | 56 | 368 | 144 | 104 | 496 | 56 | 3414 | 280 | 256 |
| Total wheat chaff | | 1640 | 108 | 656 | 196 | 184 | 664 | 180 | 4478 | 412 | 424 |
| Total hulled grain | | 2301 | 653 | 960 | 1778 | 1092 | 659 | 1798 | 4181 | 1169 | 859 |
| Plus percentage indet. grain | | 3188 | 1339 | 3312 | 2175 | 1621 | 1462 | 481 | 2486 | 614 | 2125 |
| Total hulled grain corrected | | 5489 | 1992 | 4272 | 3953 | 2713 | 2121 | 2279 | 6667 | 1783 | 2984 |
| RATIO 1 | | 0.298797 | 0.054206 | 0.153551 | 0.049581 | 0.067825 | 0.313053 | 0.078991 | 0.671702 | 0.2310239 | 0.1421084 |
| Total barley chaff | | | | | | | | | | | |
| Total barley grain | | 32 | 12 | 8 | 4 | 28 | 73 | 32 | 300 | 64 | 8 |
| TOTAL WHEAT AND BARLEY | | 2333 | 665 | 984 | 1782 | 1148 | 732 | 1870 | 4481 | 1233 | 883 |
| | | 98.62838 | 98.19549 | 97.56098 | 99.77553 | 95.12195 | 90.02732 | 96.14973 | 93.305066 | 94.809408 | 97.281993 |

Table 3 cont. Plant remains from Corn Drier 4

| SAMPLE | 3298 | 3300 | 3301 | 3302 |
|---|---------------|-------------|---------------|-------------|
| LOCATION | flue/centre 1 | flue/east 2 | flue/centre 2 | flue/west 2 |
| volume sieved in litres | 0.5 | 0.5 | 0.5 | 0.5 |
| TAXA | | | | |
| Agrostemma githago L. | - | - | - | - |
| Caryophyllaceae indet. | - | - | - | - |
| Rumex sp. | - | - | - | - |
| Anthemis cotula L. | - | - | - | - |
| Tripleurospermum sp. Schultz Bip | - | - | - | - |
| Carduus/Cirsium sp. | - | - | - | - |
| Asteraceae (large) indet. | - | 4 | - | - |
| Asteraceae (small) indet. | 2 | - | - | 4 |
| Bromus hordeaceus type | - | - | - | - |
| cf. Bromus sp. | - | - | - | - |
| Avena sp. (grain) | - | - | - | - |
| Avena cf. fatua L. (floret) | - | - | - | - |
| cf. Avena sp. (awn) | - | - | - | - |
| Poaceae (large) indet. | - | - | - | - |
| Poaceae (small) indet. | - | - | - | - |
| cf. T. dicoccum (Schrank.) Schulb. (spikelet fork) | - | - | - | - |
| Triticum dicoccum (Schrank.) Schulb. type (grain) | - | - | - | - |
| cf. Triticum dicoccum (Schrank.) Schulb. type (grain) | - | - | - | - |
| Triticum, free-threshing type (grain) | - | - | - | - |
| T. spelta L. (spikelet) | - | - | - | - |
| T. spelta L. (glume base) | - | 2 | - | 8 |
| T. spelta L. (spikelet fork) | - | 6 | - | 10 |
| T. spelta L. (terminal spikelet fork) | - | - | - | - |
| T. spelta L. (rachis internode) | - | - | - | - |
| Triticum spelta L. type (grain) | - | - | - | 2 |

| SAMPLE | 3298 | 3300 | 3301 | 3302 |
|---|---------------|-------------|---------------|-------------|
| LOCATION | flue/centre 1 | flue/east 2 | flue/centre 2 | flue/west 2 |
| volume sieved in litres | 0.5 | 0.5 | 0.5 | 0.5 |
| Triticum spelta L. type (sprouted grain) | - | - | - | - |
| Triticum spelta L. type (short fat grain) | - | - | - | - |
| T. dicoccum/spelta (glume base) | - | - | - | - |
| T. dicoccum/spelta (spikelet fork) | - | - | - | - |
| Triticum diococcum/spelta type (grain) | - | - | - | - |
| Triticum diococcum/spelta type (sprouted grain) | - | - | - | - |
| T. diococcum/spelta type (tail grain) | - | - | - | - |
| T. dicoccum/spelta (terminal glume base) | - | - | - | - |
| T. dicoccum/spelta (terminal spikelet fork) | - | - | - | - |
| T. dicoccum/spelta (rachis internode) | - | - | - | - |
| Triticum sp. (grain) | 59 | 92 | 77 | 130 |
| Triticum sp. (glume base) | 15 | 4 | 4 | 2 |
| Triticum sp. (spikelet fork) | 12 | 7 | 7 | 3 |
| Triticum sp. (rachis internode) | - | - | - | 10 |
| cf. Triticum sp. (grain) | - | - | - | - |
| Triticum/Secale sp. (grain) | - | - | - | - |
| Triticum/Secale sp. (awn) | 290 | 1 | 16 | 348 |
| Triticum/Secale sp. (awn) – silicified | 60 | 228 | 340 | 1260 |
| Hordeum vulgare L. (spikelet) | - | - | - | - |
| Hordeum sp. (hulled straight grain) | - | - | - | - |
| Hordeum sp. (hulled twisted grain) | - | - | - | - |
| Hordeum sp. (hulled grain) | - | - | - | - |
| Hordeum sp. (grain) | - | 1 | - | 4 |
| Hordeum sp. (awn) | - | 30 | - | - |
| Hordeum sp. (rachis) | - | - | 1 | - |
| cf. Hordeum sp. (grain) | - | - | - | - |
| cf. Hordeum sp. (spikelet) | - | - | - | - |
| Cereales indet. (grain) | 98 | 56 | 104 | 162 |
| Cereales indet. (chaff) | 4 | 64 | 1 | 26 |
| Cereales sprout. (embryo) | - | 1 | 3 | 14 |
| Cereales size (sprout) | - | - | - | 60 |

| | SAMPLE | 3298 | 3300 | 3301 | 3302 |
|----------------------------------|-------------------------|---------------|-------------|---------------|-------------|
| | LOCATION | flue/centre 1 | flue/east 2 | flue/centre 2 | flue/west 2 |
| | volume sieved in litres | 0.5 | 0.5 | 0.5 | 0.5 |
| Ignota | | - | - | 6 | - |
| Total number of items identified | | 540 | 268 | 559 | 2043 |
| Items per litre | | 1080 | 536 | 1118 | 4086 |
| Total weeds | | 2 | 4 | 0 | 4 |
| Grain identified to genus | | 59 | 93 | 77 | 136 |
| Cereales indet. (grain) | | 98 | 56 | 104 | 162 |
| Total grain | | 403 | 92 | 124 | 516 |
| Total glume bases | | 15 | 6 | 4 | 10 |
| Total spikelet forks | | 12 | 13 | 7 | 13 |
| Spikelet forks x 2 | | 24 | 26 | 14 | 26 |
| Total wheat chaff | | | | | |
| Total hulled grain | | 59 | 92 | 77 | 132 |
| Plus percentage indet. grain | | 98 | 55 | 104 | 157 |
| Total hulled grain corrected | | 157 | 147 | 181 | 289 |
| RATIO 1 | | 0 | 0 | 0 | 0 |
| Total barley chaff | | | | | |
| Total barley grain | | 0 | 1 | 0 | 4 |
| TOTAL WHEAT AND BARLEY | | 59 | 93 | 77 | 136 |
| | | 100 | 98.924731 | 100 | 97.058824 |

Table 4. Charred plant remains from small ovens of Roman date at Grateley

| | Sample | 2749 | 2734 | 2879 | 3462 | 3461 | 3240 | 3243 |
|---|----------------------|--------|--------|--------|--------|--------|--------|--------|
| | Context | F688/2 | F674/1 | F736/2 | F769/6 | F782/2 | F783/1 | F783/1 |
| | % of sample analysed | 50% | 50% | 25% | 12.50% | 6% | 3% | 3% |
| TAXON | | | | | | | | |
| <i>Ranunculus</i> Subgen. <i>Ranunculus</i> | | 1 | - | - | - | - | - | - |
| <i>Papaver somniferum</i> L. | | - | - | - | 2 | - | - | - |
| <i>Papaver rhoeas/dubium/hybridum</i> | | - | - | - | 1 | - | - | - |
| <i>Papaver argemone</i> L. (capsule top) | | - | - | - | - | - | - | 1 |
| <i>Papaver</i> sp. | | - | - | - | 3 | - | - | - |
| <i>Corylus avellana</i> L. (nutshell frag.) | | 5 | - | - | - | - | - | - |
| <i>Agrostemma githago</i> L. | | 1 | - | - | - | 6 | 1 | 1 |
| cf. <i>Agrostemma githago</i> L. | | - | - | - | - | 1 | - | - |
| Caryophyllaceae indet. (capsule fragment) | | - | - | - | 2 | 1 | 1 | 1 |
| <i>Rumex</i> spp. | | - | - | 1 | 3 | - | - | 1 |
| Polygonaceae indet. | | 1 | - | - | 1 | - | - | - |
| <i>Vicia/Lathyrus</i> sp. | | 1 | 1 | - | 1 | 1 | - | - |
| <i>Medicago</i> type | | - | - | - | 1 | - | - | - |
| cf. <i>Pisum</i> sp. | | - | - | - | - | - | 1 | - |
| Fabaceae (small) indet. | | - | - | 2 | 4 | - | - | - |
| Fabaceae indet. (pod frag.) | | - | - | - | - | - | 4 | 2 |
| <i>Daucus carota</i> L. | | - | - | - | 1 | - | - | - |
| <i>Galeopsis</i> sp. | | - | - | - | 2 | - | - | - |
| <i>Plantago media/lanceolata</i> | | - | - | 2 | - | - | - | - |
| <i>Euphrasia/Odontites</i> sp. | | 1 | - | - | 2 | - | - | - |
| Rubiaceae indet. | | - | - | - | 1 | - | - | - |
| <i>Centaurea</i> sp. | | - | - | 1 | - | - | - | 1 |
| cf. <i>Centaurea</i> sp. | | - | - | 1 | - | - | - | - |
| <i>Anthemis arvensis</i> L. | | 1 | - | - | - | - | - | - |
| <i>A. cotula</i> L. | | - | - | - | 4 | - | - | - |
| <i>Tripleurospermum</i> sp. | | - | 1 | - | 1 | 1 | 1 | 1 |
| Asteraceae (large) indet. | | - | - | - | 1 | 1 | 1 | 1 |
| Asteraceae (small) indet. | | - | - | - | 2 | - | - | - |
| <i>Carex</i> sp. | | - | - | 2 | - | - | - | - |
| <i>Lolium</i> sp. | | - | - | - | - | 2 | - | - |
| <i>Poa annua</i> type | | - | - | - | 15 | 1 | - | - |
| <i>Avena</i> sp. | | - | - | - | - | - | 2 | 7 |
| <i>Avena</i> type (awn) | | - | - | - | - | 1 | - | 1 |
| cf. <i>Avena fatua</i> type (floret base) | | - | - | - | - | - | - | 1 |
| <i>Bromus sterilis</i> type | | - | - | - | 1 | 1 | - | - |
| <i>Bromus hordeaceus</i> type | | - | - | - | 1 | 1 | - | - |
| <i>Bromus</i> sp. | | - | - | - | 1 | 5 | - | - |
| <i>Hordeum</i> cf. <i>murinum</i> L. | | - | - | - | - | 1 | - | - |
| Poaceae (large) indet. | | - | - | - | 4 | 1 | - | 3 |
| Poaceae (small) indet. | | - | - | - | 46 | - | 1 | - |
| <i>Allium vineale</i> type (bulbil) | | - | - | - | - | 3 | - | - |
| <i>Triticum dicoccum</i> type (grain) | | - | - | - | 1 | 12 | - | 3 |
| <i>T.</i> cf. <i>dicoccum</i> type (grain) | | - | - | - | - | - | 2 | - |
| <i>Triticum</i> sp. free-threshing (rachis) | | - | - | - | - | - | - | 1 |

| Sample | 2749 | 2734 | 2879 | 3462 | 3461 | 3240 | 3243 |
|---|--------|--------|--------|--------|--------|--------|--------|
| Context | F688/2 | F674/1 | F736/2 | F769/6 | F782/2 | F783/1 | F783/1 |
| % of sample analysed | 50% | 50% | 25% | 12.50% | 6% | 3% | 3% |
| <i>Triticum</i> sp. free-threshing type (grain) | - | - | - | - | - | 3 | 2 |
| <i>Triticum spelta</i> L. (glume base) | 5 | - | 31 | 50 | 160 | 34 | 73 |
| <i>T. spelta</i> L. (spikelet fork) | - | - | 1 | 2 | 40 | 11 | 23 |
| <i>T. spelta</i> L. (rachis internode) | - | - | 4 | 9 | 7 | - | 5 |
| <i>T. spelta</i> type (grain) | 1 | - | - | 31 | 201 | 44 | 175 |
| <i>T. spelta</i> type (short, fat grain) | - | - | - | 6 | 4 | 2 | 12 |
| <i>T. spelta</i> type (sprouted grain) | - | - | - | 3 | - | - | - |
| <i>T. cf. spelta</i> (glume base) | - | - | - | 11 | 9 | 3 | 12 |
| <i>T. cf. spelta</i> type (grain) | - | - | - | 6 | - | 9 | - |
| <i>T. dicoccum/spelta</i> (glume base) | 7 | - | 106 | 152 | 125 | 39 | 58 |
| <i>T. dicoccum/spelta</i> (spikelet fork) | 3 | - | 1 | 13 | 25 | 8 | 25 |
| <i>T. dicoccum/spelta</i> (rachis internode) | - | - | 3 | - | - | - | 10 |
| <i>T. dicoccum/spelta</i> type (grain) | 2 | - | 1 | 51 | 115 | 13 | 116 |
| <i>T. dicoccum/spelta</i> type (tail grain) | - | - | - | 5 | 4 | - | - |
| <i>T. dicoccum/spelta</i> type (sprouted grain) | 1 | - | - | 2 | 5 | - | - |
| <i>Triticum</i> sp. (grain) | 33 | 49 | 10 | 15 | 110 | 37 | 82 |
| <i>Triticum</i> sp. (tail grain) | - | - | - | 4 | - | - | - |
| <i>Triticum</i> sp. (glume base) | - | - | 15 | 16 | 2 | 4 | - |
| <i>Triticum</i> sp. (spikelet fork) | 1 | - | 2 | 3 | 2 | 2 | - |
| <i>Triticum</i> sp. (rachis internode) | - | - | - | 32 | 3 | 2 | - |
| <i>Triticum</i> sp. (chaff) | - | - | 2 | 11 | - | - | - |
| cf. <i>Triticum</i> sp. (grain) | - | - | - | - | - | 5 | - |
| <i>Triticum/Secale</i> sp. (awn) | - | - | - | - | - | 27 | 6 |
| <i>Hordeum vulgare</i> L. (rachis) | - | - | - | - | 1 | - | 1 |
| <i>Hordeum</i> sp. (hulled, straight grain) | - | - | - | 1 | 16 | 2 | 2 |
| <i>Hordeum</i> sp. (hulled, straight, sprouted grain) | - | - | - | - | 1 | - | - |
| <i>Hordeum</i> sp. (hulled, twisted grain) | - | - | - | 4 | 25 | 2 | 8 |
| <i>Hordeum</i> sp. (hulled grain) | - | 1 | - | 12 | 6 | 10 | 12 |
| <i>Hordeum</i> sp. (sprouted, hulled grain) | - | - | - | 1 | - | - | - |
| <i>Hordeum</i> sp. (grain) | - | 3 | - | 1 | 2 | 26 | 3 |
| <i>Hordeum</i> sp. (awn) | - | - | - | - | - | 2 | - |
| <i>Secale/Hordeum</i> sp. (rachis) | - | - | - | 3 | 1 | 1 | - |
| Cereales indet. (grain) | 70 | 113 | 13 | 41 | 112 | 16 | 31 |
| Cereales indet. (sprouted grain) | - | - | - | 1 | - | - | - |
| Cereal size (embryo) | - | - | - | 11 | 2 | 11 | 7 |
| Cereal size (sprout) | 1 | - | - | 9 | 7 | - | - |
| Bud | - | 1 | - | - | - | - | - |
| IGNOTA | 5 | - | 4 | 3 | 2 | - | 1 |
| Total number of items identified | 140 | 169 | 202 | 610 | 1026 | 327 | 689 |
| Number of litres processed | 10 | 10 | 10 | 8 | 10 | 7 | 7 |
| Items per litre | 28 | 33.8 | 80.8 | 610 | 1710 | 1557.1 | 3281 |
| Total weeds | 6 | 2 | 9 | 98 | 26 | 6 | 17 |
| Total grain | 107 | 166 | 24 | 185 | 613 | 171 | 446 |
| RATIO 3 | 0.056 | 0.012 | 0.375 | 0.53 | 0.042 | 0.04 | 0.04 |

| | Sample | 2749 | 2734 | 2879 | 3462 | 3461 | 3240 | 3243 |
|--------------------------------------|----------------------|--------|--------|--------|--------|--------|--------|--------|
| | Context | F688/2 | F674/1 | F736/2 | F769/6 | F782/2 | F783/1 | F783/1 |
| | % of sample analysed | 50% | 50% | 25% | 12.50% | 6% | 3% | 3% |
| Total glume bases | | 12 | 0 | 152 | 229 | 296 | 80 | 143 |
| Total spikelet forks | | 4 | 0 | 4 | 18 | 67 | 21 | 48 |
| Spikelet forks x 2 | | 8 | 0 | 8 | 36 | 134 | 42 | 96 |
| Total wheat chaff | | 20 | 0 | 160 | 265 | 430 | 122 | 239 |
| Total hulled wheat grain | | 37 | 49 | 11 | 124 | 451 | 112 | 388 |
| Plus percentage indet. grain | | 70 | 104 | 13 | 36 | 101 | 12 | 39 |
| Total hulled wheat grain (corrected) | | 107 | 153 | 24 | 160 | 552 | 124 | 427 |
| RATIO 1 | | 0.187 | | 6.667 | 1.656 | 0.779 | 0.98 | 0.56 |
| Total barley chaff | | 0 | 0 | 0 | 3 | 2 | 1 | 1 |
| Total barley grain | | 0 | 4 | 0 | 19 | 50 | 40 | 25 |

Table 5. Charred plant remains from other features of Roman date at Grateley

| | Sample | 3345 | 2863 | 3446 | 3295 |
|---|----------------------|--------|------|--------|-------|
| | Context | F815/2 | 427 | F780/3 | 451 |
| | % of sample analysed | 100% | 25% | 3% | 6.25% |
| TAXON | | | | | |
| <i>Papaver</i> sp. | | 2 | - | - | - |
| <i>Agrostemma githago</i> L. | | - | - | - | 1 |
| <i>Persicaria</i> sp. | | 1 | - | - | - |
| <i>Rumex</i> sp. | | 1 | 1 | - | - |
| cf. Brassicaceae (large) capsule frag. | | 1 | - | - | - |
| <i>Vicia/Lathyrus</i> sp. | | - | 3 | 2 | - |
| <i>Medicago</i> type | | 2 | - | - | - |
| Fabaceae (small) indet. | | 3 | - | - | - |
| <i>Lithospermum arvense</i> L. | | 2 | - | - | - |
| <i>Euphrasia/Odontites</i> sp. | | - | - | 1 | - |
| <i>Galium</i> cf. <i>aparine</i> L. | | 1 | - | - | - |
| cf. <i>Tripleurospermum</i> sp. | | - | 1 | - | - |
| <i>Avena</i> sp. | | - | - | 1 | 2 |
| cf. <i>Avena</i> sp. (grain) | | - | - | 1 | - |
| <i>Bromus</i> cf. <i>hordeaceus</i> type | | - | 1 | - | - |
| <i>Bromus</i> sp. | | 1 | - | - | - |
| Poaceae (large) indet. | | 7 | 1 | - | 1 |
| Poaceae (small) indet. | | 19 | 8 | - | - |
| <i>Allium vineale</i> type (bubil) | | 1 | 1 | - | - |
| <i>Triticum dicoccum</i> type (grain) | | - | - | 2 | - |
| <i>T.</i> cf. <i>dicoccum</i> (glume base) | | - | 1 | - | - |
| <i>Triticum</i> sp. free-threshing type (grain) | | - | - | - | 2 |
| <i>Triticum spelta</i> L. (glume base) | | 1 | 37 | 5 | - |
| <i>T. spelta</i> L. (spikelet fork) | | - | 5 | - | - |
| <i>T. spelta</i> L. (rachis internode) | | 1 | - | - | - |
| <i>T. spelta</i> type (grain) | | - | 5 | 18 | 34 |
| <i>T. spelta</i> type (short, fat grain) | | - | - | 3 | 7 |
| <i>T.</i> cf. <i>spelta</i> (glume base) | | - | 1 | - | - |
| <i>T.</i> cf. <i>spelta</i> type (grain) | | - | - | 1 | - |
| <i>T. dicoccum/spelta</i> (glume base) | | 2 | 63 | 3 | 1 |
| <i>T. dicoccum/spelta</i> (spikelet fork) | | - | 11 | 1 | - |
| <i>T. dicoccum/spelta</i> type (grain) | | - | 29 | 55 | 82 |
| <i>T. dicoccum/spelta</i> type (sprouted grain) | | - | - | - | 13 |
| <i>Triticum</i> sp. (grain) | | 4 | 44 | 100 | 59 |
| <i>Triticum</i> sp. (glume base) | | 1 | - | - | - |
| <i>Hordeum vulgare</i> L. (rachis) | | 1 | - | - | - |
| <i>Hordeum</i> sp. (hulled, straight grain) | | 1 | - | 1 | 4 |
| <i>Hordeum</i> sp. (hulled, twisted grain) | | 2 | - | 2 | 6 |
| <i>Hordeum</i> sp. (hulled grain) | | 6 | 1 | 10 | 29 |
| <i>Hordeum</i> sp. (sprouted, hulled grain) | | - | - | - | 2 |
| <i>Hordeum</i> sp. (grain) | | 14 | 6 | 1 | - |
| Cereales indet. (grain) | | 62 | 56 | 56 | 65 |
| Cereal size (embryo) | | 1 | 5 | 3 | 1 |

| | Sample | 3345 | 2863 | 3446 | 3295 |
|----------------------------------|----------------------|--------|---------|---------|---------|
| | Context | F815/2 | 427 | F780/3 | 451 |
| | % of sample analysed | 100% | 25% | 3% | 6.25% |
| Root fragment - monocot | | - | 1 | - | - |
| IGNOTA | | 9 | 2 | 2 | - |
| Total number of items identified | | 146 | 283 | 268 | 309 |
| Number of litres processed | | 10 | 5 | 5 | 10 |
| Items per litre | | 15 | 226 | 1718 | 494 |
| Total weeds | | 40 | 16 | 5 | 4 |
| Total grain | | 89 | 141 | 249 | 303 |
| RATIO 3 | | 0.4494 | 0.11348 | 0.02008 | 0.0132 |
| Total glume bases | | 4 | 102 | 8 | 1 |
| Total spikelet forks | | 0 | 16 | 1 | 0 |
| Spikelet forks x 2 | | | 32 | 2 | |
| Total wheat chaff | | 4 | 134 | 10 | 1 |
| Total hulled wheat grain | | 4 | 78 | 179 | 195 |
| Plus percentage indet. grain | | 9 | 51 | 52 | 37 |
| Total hulled wheat grain | | 13 | 129 | 231 | 232 |
| RATIO 1 | | 0.3077 | 0.7907 | 0.03463 | 0.00431 |
| Total barley chaff | | 1 | - | - | - |
| Total barley grain | | 23 | 7 | 14 | 41 |
| Plus percentage indet. grain | | | | | |
| Total barley grain | | | | | |
| RATIO 2 | | | | | |