

## Appendix 1: Colour Plates



**Plate 1:** Panoramic view of the site, prior to topsoil stripping (looking south-west).



**Plate 2:** View of the northern end of the area prior to topsoil stripping (looking north from beside Composition Lane).



**Plate 3:** View across the monitored area, after topsoil removal (looking north-west).



**Plate 4:** Soil layers below the modern ground surface, recorded at the eastern edge of the stripped area (looking south-east, scales 1m and 0.3m).

**Plate 5:** Deposits visible in the backfill of post-medieval or modern pit [035], after the excavation of its south-east quadrant and part of the south-west quadrant. (Looking north-west, scales 1m, and 0.3m).



**Plate 6:** Undated pit [033] after excavation of its south-east and north-west quadrants. (Looking south-east, scales 1m, and 0.3m).





**Plate 7:** Undated pit [039] after removal of fill from its western side (looking north-east, scale 1m).

**Plate 8:** View across the stripped site, along the line of the putative Iron Age or Roman trackway. The darker soil (left) is the fill of northern ditch [023]. (Looking south-east).



**Plate 9:** The excavation of a slot across the putative trackway and its flanking ditches revealed the profiles of the multiple adjacent features (looking south-west, scales 1m and 0.5m).



**Plate 10:** Excavated slot across the putative trackway and ditches, at the eastern edge of the stripped area. (Looking south-west, scale 1m).



**Plate 11:** Backfill deposits filling ditches [053], [058], and [063] at the southern side of the putative trackway (looking south-west, scale 1m).



**Plate 12:** Deposits filling southern 'trackway' ditch [023], visible in a section excavated across the ditch. (Looking west, scale 1m).





**Plate 13:** Excavated section across backfilled Iron Age or Roman enclosure gully [009] (looking south-west, scale 1m).

**Plate 14:** Excavated section across backfilled Roman enclosure ditch [029] (looking north-east, scale 1m).



**Plate 15:** Post-hole [100] after removal of fill from its eastern side (looking north-east, scale 1m). The feature was adjacent to the northern terminal of enclosure ditch [011] and cut the soil layer (003), which may be of prehistoric formation.



**Plate 16:** Deposits filling prehistoric or Roman ditch [005], recorded in a slot excavated against the eastern edge of the monitored area (looking east, scale 1m).

**Plate 17:** Enclosure ditch [015], with its excavated southern terminal (foreground). The junction with an earlier ditch [013] has been investigated beside the photographic scale. (Looking north, at the western edge of the stripped area; scale 1m).



**Plate 18:** Excavated section across backfilled enclosure ditch [015] (looking south, scale 1m).





**Plate 19:** Excavated section at the intersection of east-west aligned ditch [013] and the later enclosure ditch [015]. (Looking south, at the western edge of the stripped area; scale 1m).



**Plate 20:** Excavated section showing the surviving profile of ditch [013] after topsoil removal (looking west, scale 1m).

## Appendix 2: Context Summary

| Context | Type  | Relationships  | Description   | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings                          |
|---------|-------|--|---|------------|-----------|-------------------------|-----------------------------------|
| 001     | Layer | Above 002, 038,086,095,097/098                                   | Topsoil, very dark grey sandy silt                    |            |           | 0.3 - 0.4               |                                   |
| 002     | Layer | Below 001  | Upper part of subsoil, dark brown sandy silt          |            |           | 0.7                     |                                   |
| 003     | Layer | Above 004  | Lower part of subsoil, light yellow/orange silty sand |            |           | 0.3                     | 1 x struck flint flake, Meso/ENeo |
| 004     | Layer | Below 003,096  | Natural sand, orange/yellow                           |            |           |                         |                                   |
| 005     | Cut   | Cuts 010/079/089/090/093; filled by 031                          | East-west aligned ditch, concave base                 | 0.6        | 1.4       | 0.42                    |                                   |
| 006     | Fill  | Upper fill of 005, above 073, below 068, same as 006/070/071/072 | Dark grey/brown silty sand                            |            |           | 0.2                     |                                   |
| 007     | Cut   | Cuts 032, 014/049/050; filled by 008/091                         | North-south aligned plough furrow                     |            | 1.8       | 0.25                    |                                   |
| 008     | Fill  | Fill of 007; same as 091, below 002                              | Orange/brown sandy silt                               |            |           | 0.15                    |                                   |
| 009     | Cut   | Cuts 003, filled by 010/079/089/090/093                          | North-east/south-west aligned ditch, concave base     | 0.37       | 1.1       | 0.48                    |                                   |
| 010     | Fill  | Fill of 009; same as 079/089/090/093; cut by 031                 | Orange/brown silty sand                               |            |           | 0.38                    |                                   |
| 011     | Cut   | Cuts 003, filled by 012/099                                      | North-east/south-west aligned gully                   | 7.5        | 0.7       | 0.14                    |                                   |
| 012     | Fill  | Fill of 011; same as 099; below 002                              | Dark grey/brown silty sand                            |            |           | 0.1                     | 20 x ?LIA pot sherds              |
| 013     | Cut   | Cuts 003; filled by 014/049/050                                  | East-west aligned ditch, concave base                 | 30         | 1.75      | 0.75                    |                                   |
| 014     | Fill  | Fill of 013; same as 049/050; cut by 015                         | Dark grey/brown silty sand                            |            |           | 0.75                    |                                   |
| 015     | Cut   | Cuts 105,014/049/050; filled by 016/046/047/048; ?same as 017    | North-south aligned ditch, pointed-concave base       | 15.8       | 1.15      | 0.43                    |                                   |
| 016     | Fill  | Fill of 015; same as 046/047/048; below 002                      | Dark grey/brown silty sand                            |            | 1         | 0.38                    |                                   |



| Context | Type | Relationships                               | Description   | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings  |
|---------|------|---|---|------------|-----------|-------------------------|---|
| 017     | Cut  | Cuts 003; filled by 052; ?same as 015       | North-south aligned ditch, concave base                                       | 1.5        | 1         | 0.36                    |   |
| 018     | Fill | Fill of 017; above 052; below 002           | Dark grey/brown silty sand  |            |           | 0.24                    | 7 x animal bone                                     |
| 019     | Cut  | Cuts 003; filled by 020/051/122             | East-west aligned ditch, flat base  | 16         | 1.6       | 0.45                    |   |
| 020     | Fill | Fill of 019; same as 051/122; below 002     | Dark grey/brown silty sand  |            |           | 0.45                    | 1 x animal bone                                     |
| 021     | Cut  | Cuts 113,114; same as 110; filled by 111/22 | West-north-west/east-south-east aligned southern ditch of trackway            | 57         |           |                         | 3 x Roman pot sherds                                |
| 022     | Fill | Cut by 125, fill of 021; same as 111        |   |            |           |                         |   |
| 023     | Cut  | Cuts 003, ?same as 109; filled by 084/085   | northern ditch of west-north-west/east-south-east aligned trackway; flat base | 1          | 3.3       | 1.3                     |   |
| 024     | Fill | Upper fill of 023; above 080/120; below 002 | Dark grey/brown silty sand  |            |           | 0.44                    | 2 x Roman pot sherds                                |
| 025     | Cut  | Cuts 003; filled by 026/043/044             | North-south aligned plough furrow, uneven base                                | 1          | 3         | 0.3                     |   |
| 026     | Fill | Fill of 025; same as 043/044; below 002     | Grey/brown silty sand   |            |           | 0.3                     | 1 x Roman pot sherd                                 |
| 027     | Cut  | Cuts 003; filled by 028/045                 | Possible north-south aligned plough furrow, concave-flat base                 | 1          | 1.3       | 0.2                     |   |
| 028     | Fill | Fill of 027; same as 045; below 002         | Grey/brown silty sand   |            |           | 0.2                     | 2 x 13/14thC pot sherds;<br>2 x 16/17thC pot sherds |
| 029     | Cut  | Cuts 113; filled by 030/114,021/110         | North-north-east/south-south-west aligned ditch, concave base                 | 15         | 2.6       | 0.6                     |   |
| 030     | Fill | Fill of 029; same as 114, below 002         | Dark grey/brown silty sand  |            |           | 0.48                    | 1 x Roman pot sherd; 3 frags. undated tile          |
| 031     | Cut  | Cuts 010/079/089/090/093; filled by 032     | Circular pit, concave base  |            | 1.9       | 0.25                    |   |
| 032     | Fill | Fill of 031; cut by 007                     | Grey/brown silty sand   |            |           | 0.25                    |   |
| 033     | Cut  | Cuts 003; filled by 087                     | Sub-circular pit with flat base   | 2.8        | 2.5       | 0.55                    |   |
| 034     | Fill | Upper fill of 033; above 087, below 002     | Grey/brown silty sand   | 2.8        | 2.2       | 0.44                    | 1 x IA pot sherd                                    |

| Context | Type | Relationships                               | Description                                     | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings   |
|---------|------|---|---|------------|-----------|-------------------------|--|
| 035     | Cut  | Cuts 003; filled by 088                     | Sub-circular pit with concave base              |            | 2.85      | 1.35                    |  |
| 036     | Fill | Upper fill of 035; above 092, below 001     | Grey/brown sandy silt with rare charcoal flecks |            | 2.1       | 0.4                     | 1 x med pot sherd; 9 x post-med pot sherds; 4 x post-med brick |
| 037     | Cut  | Cuts 003, filled by 038                     | Sub-oval modern pit                             | 5          | 2         | not exc                 |  |
| 038     | Fill | Fill of 037; below 001                      | Dark brown/grey sandy silt-clay                 | 5          | 2         | not exc                 |  |
| 039     | Cut  | Cuts 003, filled by 040                     | Oval pit with concave base                      | 1.1        | 0.9       | 0.25                    |  |
| 040     | Fill | Fill of 039; below 002                      | Dark grey/brown silty sand                      |            |           | 0.25                    |  |
| 041     | Cut  | Cuts 105, 014/049/050; filled by 042        | Sub-circular pit with concave base              | 0.8        | 0.7       | 0.15                    |  |
| 042     | Fill | Fill of 041; below 002                      | Orange/brown silty clay                         |            |           | 0.15                    |  |
| 043     | Fill | Fill of 025; same as 026/044; below 002     | Grey/brown silty sand                           |            |           | 0.2                     |  |
| 044     | Fill | Fill of 025; same as 026/043; below 002     | Grey/brown silty sand                           |            |           | 0.15                    |  |
| 045     | Fill | Fill of 027; same as 028, below 002         | Grey/brown silty sand                           |            |           | 0.2                     |  |
| 046     | Fill | Fill of 015; same as 016/047/048; below 002 | Dark grey/brown silty sand                      |            | 1         | 0.36                    | 2 x Roman pot sherds; 2 x ?IA/Rom pot frags from soil samples  |
| 047     | Fill | Fill of 015; same as 016/046/048; below 002 | Dark grey/brown silty sand                      |            | 0.55      | 0.43                    | 2 x animal bone  |
| 048     | Fill | Fill of 015; same as 016/046/047; below 002 | Dark grey/brown silty sand                      |            |           | 0.28                    | 1 x animal bone  |
| 049     | Fill | Fill of 013; same as 014/050; cut by 015    | Dark grey/brown silty sand                      |            |           | 0.55                    |  |
| 050     | Fill | Fill of 013; same as 014/049; cut by 015    | Dark grey/brown silty sand                      |            |           | 0.45                    |  |
| 051     | Fill | Fill of 019; same as 020/122; below 002     | Grey/brown silty sand                           |            |           | 0.26                    |  |
| 052     | Fill | Fill of 017, below 018                      | Dark brown/orange silty sand                    |            |           | 0.12                    |  |



| Context | Type | Relationships   | Description   | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings   |
|---------|------|---|---|------------|-----------|-------------------------|--|
| 053     | Cut  | Cuts 103; ?same as 106; filled by 054                         | East-west aligned ditch, part of trackway               | 1.15       | 1.9       | 1.22                    |  |
| 054     | Fill | Fill of 053; below 055  | Dark brown sandy silt                                   | 1.15       | 0.8       | 0.28                    | 6 x ?LIA pot sherds; 2 x ?IA/Rom pot frags from soil samples |
| 055     | Fill | Fill of 053; above 054; below 056                             | Light yellow brown sandy silt                           | 1.15       | 1.3       | 0.92                    |  |
| 056     | Fill | Fill of 053; above 055; below 057                             | Brown silty sand with clay lens                         | 1.15       | 1.06      | 0.2                     |  |
| 057     | Fill | Fill of 053; above 056; cut by 058/107/125                    | Brown - grey/brown sandy silt                           | 1.15       | 1.3       | 0.22                    |  |
| 058     | Cut  | Cuts 057; ?same as 107,125; filled by 059, 061                | East-west aligned recut of trackway ditch, concave base | 1.15       | 3.4       | 0.94                    |  |
| 059     | Fill | Fill of 058; below 060  | Brown - grey/yellow/brown sandy silt                    | 1.15       | 1.64      | 0.36                    | 2 x 2ndC Rom pot sherds                                      |
| 060     | Fill | Fill of 058; above 059; below 061                             | Brown - grey/yellow/brown sandy silt                    | 1.15       | 1.08      | 0.16                    |  |
| 061     | Fill | Fill of 058; above 060; cut by 133                            | Dark brown silt   | 1          | 0.9       | 0.02                    |  |
| 062     | Fill | Fill of 133, cut by 063                                       | Brown - grey/brown silty sand                           | 1.15       | 2.5       | 0.4                     |  |
| 063     | Cut  | Cuts 062; ?same as 108, 123; filled by 064                    | East-west aligned recut of recut trackway ditch         | 1.15       | 1.96      | 0.8                     |  |
| 064     | Fill | Fill of 063; below 065  | Yellow/orange-brown sand                                | 1.15       | 1.28      | 0.44                    |  |
| 065     | Fill | Fill of 063; above 064; below 066                             | Brown slightly sandy silt                               | 1.15       | 1         | 0.56                    |  |
| 066     | Fill | Fill of 063; above 065; ?same as 118,124; below 067           | Brown silty sand  | 1.15       | 1.9       | 0.42                    | 1 x Rom pot sherd; 1x dubious struck flint                   |
| 067     | Fill | Upper fill of 063; above 066, below 002                       | Brown silty sand  | 1.15       | 5         | 0.2                     | 3 x 2nd C Rom pot sherds                                     |
| 068     | Cut  | Cuts 006/070/071/072; filled by 069                           | North-north-west/south-south-east aligned plough furrow | 3          | 2         | 0.4                     |  |
| 069     | Fill | Fill of 068; below 002  | Dark grey/brown silty sand                              |            |           | 0.4                     | 1 x med pot sherd; 1 x 17/18thC pot sherd                    |
| 070     | Fill | Upper fill of 005; above 073; same as 006/071/072; cut by 068 | Dark grey/brown silty sand                              |            | 1.4       | 0.34                    |  |
| 071     | Fill | Upper fill of 005; above 073; same as 006/070/072; cut by 068 | Dark grey/brown silty sand                              |            | 1.4       | 0.3                     |  |

| Context | Type | Relationships   | Description   | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings  |
|---------|------|---|---|------------|-----------|-------------------------|---|
| 072     | Fill | Upper fill of 005; above 073; same as 006/070/071; cut by 068 | Dark grey/brown silty sand                              |            | 0.22      | 0.1                     |   |
| 073     | Fill | Fill of 005; above 074; below 006/070/071/072                 | Mid-light yellow sand                                   |            | 0.4       | 0.2                     |   |
| 074     | Fill | Fill of 005; below 073  | Dark grey/brown silty sand                              |            |           | 0.38                    |   |
| 075     | Cut  | Cuts 003, filled by 076                                       | North-north-west/south-south-east aligned plough furrow |            | 2         |                         |   |
| 076     | Fill | Fill of 075; below 002  | Orange/brown silty sand                                 |            |           |                         |   |
| 077     | Cut  | Cuts 003; filled by 078                                       | North-north-west/south-south-east aligned plough furrow |            |           |                         |   |
| 078     | Fill | Fill of 077; below 002  | Orange/brown silty sand                                 |            |           |                         |   |
| 079     | Fill | Fill of 009; same as 010/089/090/093; cut by 031              | Orange/brown silty sand                                 |            |           | 0.38                    | 20 x ?LIA pot sherds; 2 x undated tile frags from soil sample |
| 080     | Fill | Fill of 023; ?same as 120; above 081, below 024               | Dark grey/brown silty sand                              |            |           | 0.45                    |   |
| 081     | Fill | Fill of 023; above 082, below 080                             | Dark grey/brown silty sand; frequent charcoal flecks    |            |           | 0.15                    |   |
| 082     | Fill | Fill of 023; above 083, below 081                             | Dark grey/brown sand                                    |            |           | 0.24                    |   |
| 083     | Fill | Fill of 023; above 086, below 082                             | Dark grey/brown clayey sand                             |            |           | 0.32                    |   |
| 084     | Fill | Fill of 023; same as 085; below 086                           | Brown silty sand  |            |           | 0.35                    |   |
| 085     | Fill | Fill of 023; same as 084; below 086                           | Brown silty sand  |            |           | 0.5                     |   |
| 086     | Fill | Fill of 023; above 084, below 083                             | Orange/yellow sand                                      |            |           | 0.2                     |   |
| 087     | Fill | Fill of 033; below 034  | Yellow/brown sandy silt, with rare charcoal flecks      | 2.4        | 2.3       | 0.5                     |   |
| 088     | Fill | Fill of 035   | Orange/brown sandy silt, with rare charcoal flecks      |            | 1.6       | 0.7                     |   |
| 089     | Fill | Fill of 009; same as 010/079/090/093; cut by 031              | Orange/brown sandy silt                                 |            |           | 0.45                    |   |



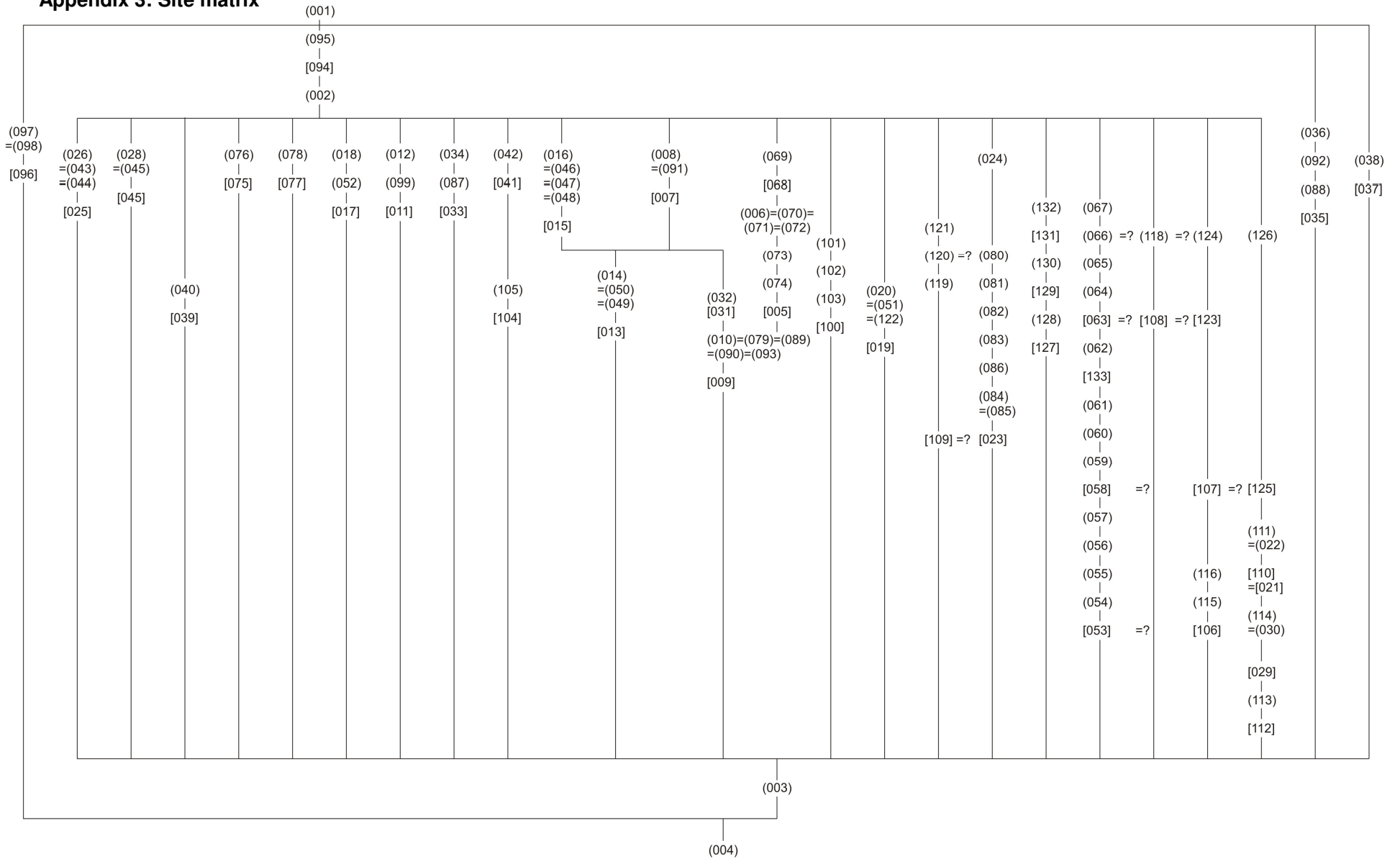
| Context | Type | Relationships                                    | Description  | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings   |
|---------|------|--|--|------------|-----------|-------------------------|--|
| 090     | Fill | Fill of 009; same as 010/079/089/093; cut by 031 | Orange/brown silty sand  |            |           | 0.18                    |  |
| 091     | Fill | Fill of 009; same as 008; above 007; below 002   | Orange/brown sandy silt  |            |           | 0.25                    |  |
| 092     | Fill | Fill of 035; above 088, below 036                | Brown/grey sandy silt, rare charcoal flecks                        |            | 2.85      | 0.8                     |  |
| 093     | Fill | Fill of 009; same as 010/079/089/090; cut by 031 | Orange/brown silty sand  |            |           | 0.1                     |  |
| 094     | Cut  | Cuts 002; filled by 095                          | Irregular hollow   | 6          | 3         | 0.55                    |  |
| 095     | Fill | Fill of 094; below 001                           | Brown/grey sandy silt; fired clay fragment                         | 6          | 3         | 0.55                    | fired clay fragment  |
| 096     | Cut  | Cuts 004; filled by 097/098                      | Possible animal burrow   | 1.2        | 0.55      | 0.4                     |  |
| 097     | Fill | Fill of 096; contains 098; below 001             | Brown/grey sandy silt, rare charcoal flecks                        | 1.2        | 0.55      | 0.4                     | 1 x 14-16thC pot sherd                                       |
| 098     | Fill | Fill of 096; contained by 098; below 001         | Animal burial  | 1.2        | 0.55      | 0.4                     | 24 x animal bone (burial)                                    |
| 099     | Fill | Fill of 011; same as 012; below 002              | Dark grey/brown silty sand   |            |           | 0.14                    | 8 x ?LIA pot sherds; 2 x undated tile frags from soil sample |
| 100     | Cut  | Cuts 003; filled by 101,102,103; below 103       | Circular pit   | 0.8        | 0.8       | 0.2                     |  |
| 101     | Fill | Fill of 100; above 102, below 002                | Yellow/brown sandy silt, with charcoal flecks                      |            |           | 0.1                     |  |
| 102     | Fill | Fill of 100; above 103, below 101                | Dark grey/brown silty sand with charcoal flecks and fragments      |            |           | 0.1                     |  |
| 103     | Fill | Fill of 100; below 102                           | Yellow/brown silty sand  |            |           | 0.03                    |  |
| 104     | Cut  | Cuts 003; filled by 105                          | East-west aligned ditch  | 1          | 1.15      | 0.3                     |  |
| 105     | Fill | Fill of 104; cut by 041                          | Dark grey/brown silty sand   |            |           | 0.3                     |  |
| 106     | Cut  | Cuts 003; ?same as 053; filled by 115            | West-north-west/east-south-east aligned southern ditch of trackway | 1          | 2.1       | 0.56                    |  |
| 107     | Cut  | Cuts 116; ?same as 058,125; filled by 117        | West-north-west/east-south-east aligned southern ditch of trackway | 1          | 2.2       | 0.64                    |  |

| Context | Type | Relationships                             | Description  | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings   |
|---------|------|---|--|------------|-----------|-------------------------|--|
| 108     | Cut  | Cuts 117; ?same as 063,123; filled by 118 | West-north-west/east-south-east aligned southern ditch of trackway | 1          | 1.72      | 0.82                    |  |
| 109     | Cut  | Cuts 003; ?same as 023; filled by 119     | West-north-west/east-south-east aligned northern ditch of trackway | 1          | 2.37      | 0.84                    |  |
| 110     | Cut  | Cuts 114; same as 21; filled by 111       | West-north-west/east-south-east aligned southern ditch of trackway | 3          | 1.4       | 0.3                     |  |
| 111     | Fill | Fill of 110; ?same as 022, cut by 125     | Dark grey/brown silty sand   |            |           | 0.3                     | 1 x IA/Rom pot sherd   |
| 112     | Cut  | Cuts 003, filled by 113                   | North-south aligned gully  | 1          | 0.4       | 0.15                    |  |
| 113     | Fill | Fill of 112; cut by 029                   | Dark grey/brown silty sand   |            |           | 0.15                    |  |
| 114     | Fill | Fill of 029; same as 030, below 002       | Dark grey/brown silty sand   |            |           | 0.6                     | 16 x ?LIA pot sherds   |
| 115     | Fill | Fill of 106; below 116                    | Yellow/brown sandy silt  | 1          | 1.4       | 0.52                    |  |
| 116     | Fill | Fill of 106; above 115, cut by 107        | Grey/brown sandy silt  | 1          | 1.26      | 0.55                    |  |
| 117     | Fill | Fill of 107; cut by 123                   | Grey/brown sandy silt  | 1          | 2.2       | 0.64                    |  |
| 118     | Fill | Fill of 108; ?same as 066,124; below 002  | Grey/brown sandy silt, rare charcoal flecks                        | 1          | 1.72      | 0.82                    | 1 x 3-4thC Rom pot sherd; 1 x undated tile frag from soil sample |
| 119     | Fill | Fill of 109; below 120                    | Orange/brown sandy silt  | 1          | 1.2       |                         |  |
| 120     | Fill | Fill of 109; above 119, below 121         | Grey/brown gritty silt, rare charcoal flecks                       | 1          | 2.4       | 0.4                     |  |
| 121     | Fill | Fill of 109; above 120, below 002         | Grey/brown sandy silt  | 1          | 1.49      | 0.39                    | 2 x undated tile frags from soil sample                          |
| 122     | Fill | Fill of 019; same as 020/051; below 002   | Dark grey/brown silty sand   | 1          | 1.24      | 0.3                     |  |
| 123     | Cut  | Cuts 117; ?same as 063,108; filled by 124 | West-north-west/east-south-east aligned southern ditch of trackway | 1          | 2.35      | 0.65                    |  |
| 124     | Fill | Fill of 123; ?same as 066,118; below 002  | Dark grey/brown silty sand   |            |           | 0.65                    | 1 x 2ndC Rom pot sherd   |
| 125     | Cut  | Cuts 111; ?same as 058,107; filled by 126 | West-north-west/east-south-east aligned southern ditch of trackway | 1          | 1.8       | 0.4                     |  |
| 126     | Fill | Fill of 125; below 002                    | Dark grey/brown silty sand   |            |           | 0.4                     |  |



| Context | Type | Relationships           | Description   | Length (m) | Width (m) | Max Thickness/Depth (m) | Findings |
|---------|------|-------------------------|---|------------|-----------|-------------------------|----------|
| 127     | Cut  | Cuts 003; filled by 128 | West-north-west/east-south-east aligned northern ditch of trackway                                      | 1          | 1.2       | 0.5                     |          |
| 128     | Fill | Fill of 127; cut by 129 | Dark grey/brown silty sand  |            |           | 0.5                     |          |
| 129     | Cut  | Cuts 128; filled by 130 | West-north-west/east-south-east aligned northern ditch of trackway                                      | 1          | 1.25      | 0.56                    |          |
| 130     | Fill | Fill of 129; cut by 131 | Dark grey/brown silty sand  |            |           | 0.56                    |          |
| 131     | Cut  | Cuts 130; filled by 132 | West-north-west/east-south-east aligned northern ditch of trackway; northernmost and latest ditch recut | 1          | 2.25      | 0.45                    |          |
| 132     | Fill | Fill of 131; below 002  | Dark grey/brown silty sand  |            |           | 0.45                    |          |
| 133     | Cut  | Filled by 062; cuts 061 | South-west/north-east aligned gully?  |            |           | 0.4                     |          |

Appendix 3: Site matrix



## Appendix 4: Lithic Materials Catalogue

By J. Rylatt

### 1.0 Introduction

This report concerns two pieces of worked flint recovered during a programme of archaeological strip, map and record at Eastfield Farm, Winteringham.

### 2.0 Method of study

The lithic artefacts were physically examined in order to create an archive catalogue. Attributes were noted in order to determine their places in the reduction sequence, describe observable characteristics of the lithic technology utilised and to provide an assessment of functional potential. The catalogue also records the presence of patination, cortex and whether pieces have been burnt. Artefacts were weighed and metrical data is recorded if any piece is a complete flake, tool or core. Additionally, selected artefacts were examined with a x3 hand-lens to determine whether there is any evidence of localised modification that could be indicative of use.

### 3.0 Catalogue

| Context | Type         | Dimensions        | Description  |
|---------|--------------|-------------------|--|
| 003     | flake        | 44x15x6mm<br>4.3g | Tertiary flake with v. small flat platform, diffuse bulb and feathered termination; small irregular trimming flakes detached from platform edge; dorsal scars indicate removal of 2 similar flakes from same platform creating pronounced dorsal ridge; poss. use-wear, regular micro-chipping along proximal half one lateral edge, chipping along other margins is more irregular & poss. the result of rolling/post-dep. damage; greyish-brown semi-translucent flint<br>Mes/E.Neo? |
| 066     | b-l<br>flake | 14x6x2mm<br>0.2g  | Very small tertiary bladelet/blade-like flake with irregular platform, no definable bulb and tip of distal end detached; has dorsal ridge suggesting two prior removals dorsal (from same or opposed platform?); some post-depositional damage to lateral margin; mottled pale-grey opaque Wolds flint<br>(overall, characteristics suggest natural flake, although possibility that unintentional by-product of Mes/E.Neo industries)   |

NB: measurements are only given for complete flakes, tools and pieces - the first figure relates to the maximum length, measured perpendicular to the striking platform; the second to maximum breadth, measured at a right angle to the length; the third to maximum thickness.

### 4.0 Comments

The flake from (003) provides an indication of a prehistoric presence on the site. Its morphological traits are characteristic of earlier Neolithic core reduction strategies, specifically a very small platform indicating carefully directed force during removal and a diffuse bulb suggesting soft hammer percussion. The platform edge trimming is relatively crude and unstructured; indicating that precise isolation of the platform was not a priority. However, an earlier (Mesolithic) date cannot be discounted.



The form of the other small blade-like flake from (066) is broadly consistent with the products of Mesolithic/early Neolithic industries – i.e. a small bladelet or trimming flake. However, there are no clear indicators of deliberate working, so the balance of evidence suggests that this is a natural flake.

The recovery of only one or two pieces of worked lithic material suggests that there was only relatively brief and ephemeral human activity on the site during the Mesolithic and/or early Neolithic. The flake was recovered from the subsoil, (003), suggesting truncation of a prehistoric land surface or feature fill and probably accounting for some/all of the very small chipping along the flake margins. There is no lithic evidence for a later Neolithic or Bronze Age presence.

## Appendix 5: A report on Iron Age and Roman Pottery from excavations on land off Composition Lane, Eastfield Farm, Winterringham, North Lincolnshire

By I. M. Rowlandson

The pottery has been archived using count and weight as measures according to the guidelines laid down for the minimum archive by The Study Group for Roman Pottery (Darling 2004) using the codes developed by the City of Lincoln Archaeological Unit-CLAU (see Darling and Precious forthcoming) and the fabric series under development for North Lincolnshire (Rowlandson forthcoming). Rim equivalents (RE) have been recorded and an attempt at a 'maximum' vessel estimate has been made following Orton (1975, 31). The pottery has been bagged by fabric and vessels selected as suitable for illustration have been bagged separately for ease of future reference. The archive record (Appendix 1) is an integral part of this report and will be curated in an Access database, available from the author in a digital format. The report was produced on the basis of site information provided by PCAS Ltd. The pottery illustration is the work of this author.

### CONDITION

The ceramics presented for totalled 89 manually retrieved sherds, weighing 550g, RE 0.6, from 17 contexts from a scheme of archaeological monitoring and excavation. The majority of the pottery is abraded and small. No evidence of wear patterns or sooting was evident during recording. The average sherd weight was low at 6.18g per sherd. The other pottery, fired clay and ceramic building material fragments are not considered by this author. The pottery should be deposited with the relevant museum.

The pottery presented for study mostly consists of small abraded sherds. Many of the features can only be tentatively dated on the basis of the ceramics retrieved largely due to the low density of finds. This suggests that much of the Roman pottery found within the features could be deposited in extant earlier features and that area was marginal to settlement during the Roman period. The largest homogenous groups present consist of fragments from large vessels or trays. These sherds, despite their fragmentary nature, are some of the freshest from the site and might suggest the possibility of specialist processing or perhaps storage activities on the site.

### DATING

The detailed archive is presented as Appendix 1. Table 1 provides a quantified spot dating summary by context. It should be noted that nearly all of the groups are dated on a small number of vessels.

| F No | Context | Feature Type | Spot date       | Comments  | Sherd | Weight (g) | RE % |
|------|---------|--------------|-----------------|---|-------|------------|------|
| 009  | 079     | Ditch        | PREHIST+        | A small group of fragments of a tray or large vessel                    | 20    | 76         | 0    |
| 011  | 012     | Gully        | PREHIST+        | A small group of fragments of a tray or large vessel                    | 20    | 175        | 0    |
| 011  | 099     | Gully        | PREHIST-<br>ROM | A small group of fragments of a tray or large vessel and a single sherd | 8     | 36         | 0    |
| 015  | 046     | Ditch        | ROM             | Small scraps of oxidised ?Roman pottery                                 | 2     | 2          | 0    |
| 021  | 021     | Ditch        | ROM             | Small abraded group   | 3     | 9          | 0    |

| Table 1- Dating summary |         |              |           |  |       |            |      |
|-------------------------|---------|--------------|-----------|--|-------|------------|------|
| F No                    | Context | Feature Type | Spot date | Comments   | Sherd | Weight (g) | RE % |
| 023                     | 024     | Ditch        | ROM       | A small group  | 2     | 9          | 0    |
| 025                     | 026     | Furrow       | ROM       | A single abraded sherd                               | 1     | 3          | 0    |
| 029                     | 030     | Ditch        | ROM       | A single abraded sherd                               | 1     | 5          | 0    |
| 029                     | 114     | Ditch        | PREHIST+  | A small group of fragments of a tray or large vessel | 16    | 29         | 0    |
| 033                     | 034     | Pit          | IA        | A single rim sherd                                   | 1     | 8          | 0    |
| 053                     | 054     | Ditch        | PREHIST+  | A small group of fragments of a tray or large vessel | 6     | 30         | 0    |
| 058                     | 059     | Ditch        | 2C+       | A small, abraded group                               | 2     | 38         | 0    |
| 063                     | 066     | Ditch        | ROM       | A single abraded sherd                               | 1     | 9          | 0    |
| 063                     | 067     | Ditch        | EM2+      | A small fresh group                                  | 3     | 77         | 0    |
| 108                     | 118     | Ditch        | 3-4C      | A single abraded sherd                               | 1     | 22         | 0    |
| 110                     | 111     | Ditch        | IA-ROM    | A single abraded sherd                               | 1     | 4          | 0    |
| 123                     | 124     | Ditch        | 2C+       | A small, abraded group                               | 1     | 18         | 0    |

### ***Ditches/ gullies 009, 011 and 029***

The fragments from these features appear to be from large vessels or trays. It is very difficult to be sure of the form of this vessel and as such a broad date range probably from the beginning of the first millennium BC onwards would be appropriate. These vessels are discussed further below. A single sherd retrieved from a soil sample from context 099 and a Roman sherd from the fill of ditch 029 might suggest that the other large vessels may be of Roman date.

### ***Pit 033, fill 034***

The only rim sherd presented for study suitable for illustration was retrieved from pit 033. The sherd is a small fragment of a flat top rim and would fit with an Iron Age date (D1). Similar vessels include an example from the early- middle Iron Age site at Weelsby Avenue, Grimsby and from the middle Iron Age site at Ancaster, Lincolnshire (Eldon 1996a, C6a middle left and D.13) although there is also a possibility that the form could stretch back further into the first millennium BC perhaps into the later Bronze Age (cf. the rim illustrated by Allen 2009, Fig. 4.7.114).



**D1. Rim sherd from context 034, Scale 1:4**

### ***Trackway ditches feature numbers- 021/053/110, 108 023, 058, 063, 123***

The pottery from these features was retrieved from the main trackway ditches. The groups only contain a small number of sherds which are small and mostly abraded. They vary in date through out the Iron Age and Roman periods. The Roman pottery might conceivably have derived from manuring scatter from the main settlement to the east of this site and it is possible that these features may have silted up during the Roman period or sometime after. This leaves the possibility that the features may have been a long lived part of the landscape perhaps stretching back into to prehistory.



**Ditch 015 and 058**

A single scrap of Roman pottery was retrieved from context 015, ditch 046. Context 059 within ditch 058 produced a small abraded group of Roman pottery dating to the 2nd century AD or later.

**Furrow 025, fill 026**

A single abraded sherd of Roman pottery was presented for study from context 026

**OVERVIEW OF FABRICS & FORMS**

| Fabric | Fabric details                                | Sherd | Sherd % | Weight (g) | Weight % | RE % |
|--------|---|-------|---------|------------|----------|------|
| GREY   | Miscellaneous grey wares                      | 2     | 2.25%   | 31         | 5.64%    | 0    |
| NWLGR  | NW Lincs Greyware                             | 2     | 2.25%   | 74         | 13.45%   | 0    |
| OX     | Misc. oxidized wares                          | 8     | 8.99%   | 11         | 2.00%    | 0    |
| OXL    | Light oxidised fabrics                        | 2     | 2.25%   | 9          | 1.64%    | 0    |
| SFGR   | South Ferriby Greyware                        | 1     | 1.12%   | 18         | 3.27%    | 0    |
| SFGR?  | South Ferriby Greyware                        | 2     | 2.25%   | 38         | 6.91%    | 0    |
| SHEL   | Miscellaneous undifferentiated shell-tempered | 3     | 3.37%   | 9          | 1.64%    | 0    |
| SHSC   | Shell- sparse coarse shell                    | 1     | 1.12%   | 8          | 1.45%    | 4    |
| VESIC  | Vesicular fabric                              | 68    | 76.40%  | 352        | 64.00%   | 0    |

| Form  | Form Type | Form Description  | Sherd | Sherd % | Weight (g) | Weight % | RE % |
|-------|-----------|-------------------|-------|---------|------------|----------|------|
| BL?   | Bowl      | Large             | 63    | 70.79%  | 318        | 57.82%   | 0    |
| CLSD  | Closed    | Form              | 4     | 4.49%   | 49         | 8.91%    | 0    |
| JFT   | Jar       | Flat-topped rim   | 1     | 1.12%   | 8          | 1.45%    | 4    |
| J?    | Jar       | Unclassified form | 2     | 2.25%   | 74         | 13.45%   | 0    |
| JBL?  | Jar/bowl  | Large             | 3     | 3.37%   | 27         | 4.91%    | 0    |
| OPEN? | Open      | Open form         | 3     | 3.37%   | 47         | 8.55%    | 0    |
| -     | Unknown   | Form uncertain    | 13    | 14.61%  | 27         | 4.91%    | 0    |

***The large vessels or 'trays'***

As discussed above the fragments from large vessels or trays are perhaps the most interesting element of the assemblage. It is not possible to establish a diameter for the vessels and many appear to only curve along one axis, perhaps suggesting a large cylindrical form, but the majority of sherds are flat suggesting that the vessels may have only had curved sides. The vegetable tempering evident in some of the fragments is not common in Iron Age or Roman pottery from this area with sherds considered Bronze Age to Early Iron Age from Barnetby Wold Farm being one of the few examples, in that instance containing chaff (Didsbury and Steedman 1992). It should be noted though that the organic filler need not be an indicator of date as other late Bronze Age sites in the area appear to favour utilising the local shelly Jurassic clays for potting (eg Hibaldstow- Allen and Knight 2001). Other pre-Roman pottery from the Old Winteringham area has typically been grog or shell tempered. It may be the case that the vessels from the WGMCY site may have been produced

with organic filler to produce greater rigidity during construction this method is evident in the Iron Age briquetage from Cowbit (Morris 2001). The tray like form also raises the possibility that the fragments might be from saltmaking vessels although their findspot was some distance from the shore line.

Examples of briquetage have been found inland sites at the Iron Age and Roman site of Dragonby where it has been considered to represent fragments imported with salt for domestic or salt licks for livestock (Barford 1996, 337) and Rudston, East Yorkshire (Stead 1980, 107). There is no convincing surviving evidence of salt production or residue on the fragments presented, the site was probably not immediately on the shore line and the typical 'stands' common on salt production sites of the Iron Age and Roman periods were not retrieved. It is therefore unlikely that the vessels were used for salt processing on this site. It is perhaps more likely that they may represent a similar technology to briquetage manufacture being utilised to produce a specialist large vessel for carrying salt or for another processing task. An Iron Age or Roman date would conform with much of the other pottery present although this hypothesis is speculative.

### ***The other pottery***

The pottery is mostly abraded and contains a range of fabrics and forms typical of what could be expected from an Old Winteringham group. The sherds range broadly in date from possible Iron Age sherd (D1, above) through to late Roman greywares. The most notable inclusion is jar with burnished lattice decoration (context 067) with a fabric similar to other groups from Old Winteringham (unpublished pottery North Lincolnshire Museum- WGM81, Ditch Z). The fragmentary condition of the Roman pottery is suggestive that the site was marginal to the main settlement at Old Winteringham.

## **DISCUSSION**

Clearly the ceramics do not help greatly in dating the trackway feature as it is possible that it was a prehistoric feature still extant in the Roman period. The low sherd weight and abrasion evident on many of the sherds suggest that this site may have been at a distance from the main area of dwelling but the small quantities of pottery present in some of the large ditches and the presence of some specialist vessels suggest a landscape utilised by people for a variety of reasons. It remains possible that future investigations may recognise settlement evidence associated with these land divisions.

## **CONCLUSIONS**

All of the pottery should be retained and deposited in the relevant museum to enable future scrutiny.

The more fragmentary fragments from contexts 012, 021, 034, 054, 099, 079 and 114 should all be carefully packaged for storage due to their fragile condition.

## **BIBLIOGRAPHY**

- Allen, C and Knight, D., 2001, *Hopfield, Hibaldstow, Lincs, HBBN- SE9798 0225 Report on Prehistoric Pottery*, Unpublished report for Pre-Construct Archaeology
- Barford, P.M., with Wild, P., 1996, *Briquetage*, in May 1996 volume 1, 337
- Darling, M.J., 2004, *Guidelines for the archiving of Roman Pottery*. Journal of Roman Pottery Studies, 11, 67-74.

Darling, M.J. and Precious, B.J., forthcoming, *Corpus of Roman Pottery from Lincoln*, Lincoln Archaeological Studies No. 6, Oxbow Books, Oxford

Didsbury, P and Steedman, K., 1992, *Bronze Age and Early Iron Age Pottery from Pits at Barnetby Wold Farm*, Lincolnshire History and Archaeology, 27, 5-11

Elsdon, S.M., 1996a, *Iron Age Pottery in the East Midlands: A Handbook*. Dept of Classics and Archaeology, University of Nottingham

Jackson, D.A. & Dix, B., 1987 *Late Iron Age and Roman settlement at Weekley, Northants*. Northants. Archaeol., 21, 41-94.

Lane, T. and Morris, E.L. (eds), 2001, *A Millennium of Saltmaking: Prehistoric and Romano-British Salt Production in the Fenland*, Lincolnshire Archaeology and Heritage Report Series No. 4, Heritage Trust of Lincolnshire, Heckington,

Morris, E.L., 2001 *Briquetage [from Cowbit]*, in Lane and Morris (eds), 33-63

Orton, C. R., 1975, *Quantitative pottery studies, some progress, problems and prospects*. Science and Archaeology 17, 30-5.

Rowlandson, I.M. with Precious, B.J., 2008, *An Assemblage of Late Iron Age and Roman Pottery from an Evaluation at Area B Eastfield Farm, Winteringham, North Lincolnshire for Pre-Construct Archaeology Lincoln (WGMCV08)*, Un-published developer funded report.

| Appendix 1- Pottery Archive |        |       |            |         |          |         |  |      |       |        |          |         |  |  |
|-----------------------------|--------|-------|------------|---------|----------|---------|--|------|-------|--------|----------|---------|--|--|
| Context                     | Fabric | Form  | Decoration | Vessels | Alt      | Drawing | Comments   | Join | Sherd | Weight | Rim diam | Rim eve |  |  |
| 012                         | VESIC  | BL?   |            | 1       |          |         | BASE AND BS BASAL ANGLE HAS LITTLE SIGN OF A DIAMETER- PERHAPS A RECTANGULAR TRAY OR VESSEL; OX/R; FABRIC AS 054- NO OBVIOUS JOINS                 |      | 20    | 175    | 0        | 0       |  |  |
| 021                         | SHEL   | -     |            | 1       | ABR      |         | BS; R/OX/R/OX/R; HARD ROMAN SHELL TEMPERED; SHSF; MODERATE QU 0.3-0.5MM  |      | 3     | 9      | 0        | 0       |  |  |
| 024                         | OXL    | CLSD  |            | 1       | ABR      |         | BS; LIGHT OXIDISED FLAGON TYPE FABRIC; MOD QUARTZ 0.3MM; SOURCE?   |      | 2     | 9      | 0        | 0       |  |  |
| 026                         | OX     | -     |            | 1       | VAB      |         | BS; SCRAP; SIMILAR TO GREY SHERDS FROM 059 WITH OXID SURFACE   |      | 1     | 3      | 0        | 0       |  |  |
| 030                         | OX     | -     |            | 1       | ABR      |         | BS; OX/R/OX; SMOOTH SPARSE QU SAND   |      | 1     | 5      | 0        | 0       |  |  |
| 034                         | SHSC   | JFT   |            | 1       | SOOT EXT | D1      | RIM; BLACK/REDUCED; LEECHED SHELL; FLAT TOPPED RIM   |      | 1     | 8      | 20       | 4       |  |  |
| 046                         | OX     | -     | B          | 1       | VAB      |         | BURNISHED SCRAPS OF OXIDISED ?ROMAN SHERDS; SAMPLE 7   |      | 2     | 2      | 0        | 0       |  |  |
| 054                         | VESIC  | BL?   |            | 1       |          |         | BS OR BASE? LARGE OPEN BOWL OR TRAY; OX/R; COMMON VEG VESIC UP TO 5MM ?SOME CALC?; SPARSE SUB ANG FE & QU  |      | 6     | 30     | 0        | 0       |  |  |
| 059                         | SFGR?  | OPEN? | SDG        | 1       | ABR      |         | BS; COARSE VARIANT OF SFGR; ZONE OF LIGHTLY SCORED DIAGONAL LINES  |      | 2     | 38     | 0        | 0       |  |  |
| 066                         | GREY   | OPEN? |            | 1       | ABR      |         | BS; PALE GREY SIMILAR TO CONTEXT 118 WITH MORE 0.3MM SAND  |      | 1     | 9      | 0        | 0       |  |  |
| 067                         | VESIC  | -     |            | 1       | ABR      |         | FORMLESS SIMILAR TO A SHERD FROM 099   |      | 1     | 3      | 0        | 0       |  |  |
| 067                         | NWLGR  | J?    | LA         | 1       |          |         | BS SHLDR; R/OX/R; TYPICAL OF VESSELS FROM THE WGM81 DITCH Z DEPOSIT; QU AND MICA   |      | 2     | 74     | 0        | 0       |  |  |
| 079                         | VESIC  | BL?   |            | 1       | ABR      |         | BS; LARGE OPEN BOWL OR TRAY- LITTLE CURVATURE; OX/R; COMMON VESIC UP TO 3MM ?VEG SOME CALC- PROBABLY SHELL; SPARSE SUB ROUNDED QU & FE UP TO 0.5MM |      | 20    | 76     | 0        | 0       |  |  |
| 099                         | OX     | -     |            | 1       | VAB      |         | SCRAPS OF OXIDISED POTTERY FROM SAMPLE 5   |      | 4     | 1      | 0        | 0       |  |  |



| Appendix 1- Pottery Archive |        |      |            |         |     |         |  |      |       |        |          |         |
|-----------------------------|--------|------|------------|---------|-----|---------|--|------|-------|--------|----------|---------|
| Context                     | Fabric | Form | Decoration | Vessels | Alt | Drawing | Comments   | Join | Sherd | Weight | Rim diam | Rim eve |
| 099                         | VESIC  | JBL? |            | 1       | VAB |         | BASE?; OX/R/?; LARGE VESSEL?SMOOTH SURFACE; VESIC SPARSE 2-4MM; QU COMMON 0.2-0.8MM; QU RARE 2-4MM   |      | 2     | 12     | 0        | 0       |
| 099                         | VESIC  | JBL? |            | 1       |     |         | BS? WALL SHERD- LITTLE CURVATURE; ?LARGE VESSEL IRREGULAR FIRING; COMMON VESICULES VEG ?GRASS & CALC?; REDUCED GROG SPARSE >4MM; SPARSE QU ROUNDED 0.5MM |      | 1     | 15     | 0        | 0       |
| 099                         | VESIC  | BL?  |            | 1       | ABR |         | BS? OX/R AS CONTEXT 054; SAMPLE 5  |      | 1     | 8      | 0        | 0       |
| 111                         | VESIC  | -    |            | 1       | ABR |         | BS; R/OX/R; LEECHED SHELL  |      | 1     | 4      | 0        | 0       |
| 114                         | VESIC  | BL?  |            | 1       | ABR |         | BS ?RIM; OX/R AS CONTEXT 054   |      | 16    | 29     | 0        | 0       |
| 118                         | GREY   | CLSD |            | 1       | ABR |         | BS; VERY FINE HARD FABRIC WITH SPARSE FE GRAINS SIMILAR TO A LATE HOSM PRODUCT?  |      | 1     | 22     | 0        | 0       |
| 124                         | SFGR   | CLSD | SHG        | 1       | ABR |         | BS; JAR?; GLASSY QUARTZ  |      | 1     | 18     | 0        | 0       |

## Appendix 6: Post-Roman Pottery archive

By Jane Young

| context | cname  | full name                                    | sub fabric   | form type        | sherds | vessels | weight | part      | ref no   | description                                     | date                   |
|---------|--------|--|--|------------------|--------|---------|--------|-----------|----------|---|------------------------|
| 28      | PMLOC  | Post-medieval Local fabrics                  | oxid fine sandy  | bowl             | 2      | 1       | 15     | base & BS |          | light firing streaks; int glaze; light ext slip | 16th to 17th           |
| 28      | NLFMSW | North Lincolnshire Fine to Medium Sandy ware |  | jug              | 1      | 1       | 3      | BS        |          | very abraded                                    | 13th to 14th           |
| 28      | NLFMSW | North Lincolnshire Fine to Medium Sandy ware |  | jug              | 1      | 1       | 12     | base      |          | very abraded                                    | 13th to 14th           |
| 36      | TOYII  | Toynton Late Medieval ware                   |  | small bowl ?     | 1      | 1       | 5      | BS        |          | int & ext glaze                                 | mid 15th to mid 16th   |
| 36      | MEDLOC | Medieval local fabrics                       | oxid; fine-med sandy fabric with occ ca; red ext slip; spots brown glaze | jug/jar          | 1      | 1       | 10     | BS        |          | very abraded; micaceous                         | 13th to 15th           |
| 36      | BL     | Black-glazed wares                           | coarse oxid + ca   | large bowl       | 1      | 1       | 18     | BS        |          | int glaze; hard fired                           | 18th to 19th           |
| 36      | BL     | Black-glazed wares                           | coarse oxid + ca   | large bowl       | 1      | 1       | 70     | rim       |          | int glaze; hard fired                           | 18th to 19th           |
| 36      | PEARL  | Pearlware                                    |  | large plate      | 3      | 1       | 22     | rim       |          |   | late 18th to mid 19th  |
| 36      | YY     | Yorkshire Yellow                             |  | jar ?            | 1      | 1       | 6      | BS        |          | int & ext glaze                                 | mid 16th to early 18th |
| 36      | LHUM   | Late Humber-type ware                        |  | large bowl       | 1      | 1       | 20     | rim       |          | int glaze; red ext slip                         | 17th to 18th           |
| 36      | BL     | Black-glazed wares                           | fine oxid  | bowl             | 1      | 1       | 12     | BS        |          | int glaze                                       | late 17th to 18th      |
| 46      | MISC   | Unidentified types                           | fine oxid  | ?                | 2      | 1       | 1      | BS        | sample 7 | bright oxid; highly burnished surface           | Iron Age to Roman      |
| 54      | MISC   | Unidentified types                           | med-coarse shell   | ?                | 2      | 1       | 1      | BS        | sample 1 | abraded; leached; abundant med-coarse shell     | Iron Age to Roman      |
| 69      | HUM    | Humberware                                   |  | drinking jug     | 1      | 1       | 17     | base      |          | soot; well made                                 | late 14th to mid 16th  |
| 69      | GRE    | Glazed Red Earthenware                       |  | large bowl       | 1      | 1       | 42     | rim       |          | int glaze                                       | 17th to 18th           |
| 97      | LMLOC  | Late Medieval local fabrics                  |  | small jar/pipkin | 1      | 1       | 11     | BS        |          | int & ext glaze; soot incl breaks               | 14th to mid 16th       |

## Appendix 7: Ceramic Building Material Archive

By Jane Young

| context | cname  | full name                | fabric            | frags | weight | ref no    | description                             | date         |
|---------|--------|--------------------------|-------------------|-------|--------|-----------|---|--------------|
| 030     | RTMISC | Roman or post-Roman tile | fine oxid         | 3     | 1      | sample 11 | tiny very abraded scraps below 1gm      | ?            |
| 036     | BRK    | Brick                    | purple calcareous | 1     | 28     |           | yellow salts in fabric; hand made       | 14th to 18th |
| 036     | BRK    | Brick                    | fine orange       | 3     | 37     |           | ? Calcareous fabric; handmade micaceous | 14th to 18th |
| 079     | RTMISC | Roman or post-Roman tile | oxid med sandy    | 2     | 0      | sample 4  | tiny very abraded scraps below 1gm      | ?            |
| 099     | RTMISC | Roman or post-Roman tile | fine-med oxid     | 2     | 1      | sample 5  | tiny very abraded scraps below 1gm      | ?            |
| 118     | RTMISC | Roman or post-Roman tile | fine oxid         | 1     | 1      | sample 10 | tiny very abraded scrap below 1gm       | ?            |
| 121     | RTMISC | Roman or post-Roman tile | fine oxid         | 2     | 1      | sample 12 | tiny very abraded scraps below 1gm      | ?            |

## **Appendix 8: The Faunal Remains**

*By Jennifer Wood*

### **Introduction**

A total of 93 (312g) refitted fragments of animal bone were recovered by hand during archaeological works undertaken by Pre-Construct Archaeological Services Ltd.

The remains were recovered from a post-medieval/modern animal burial [096], a possible Romano-British enclosure ditch [015] and [017], and an undated ditch [019].

### **Methodology**

The entire assemblage has been fully recorded into a database archive. Identification of the bone was undertaken with access to a reference collection and published guides. All animal remains were counted and weighed, and where possible identified to species, element, side and zone (Serjeantson 1996). Ribs and vertebrae were only recorded to species when they were substantially complete and could accurately be identified. Undiagnostic bones were recorded as micro (rodent size), small (rabbit size), medium (sheep size) or large (cattle size). The separation of sheep and goat bones was done using the criteria of Boessneck (1969) and Prummel and Frisch (1986) in addition to the use of the reference material. Where distinctions could not be made the bone was recorded as sheep/goat (S/G).

The quantification of species was carried out using the total fragment count, in which the total number of fragments of bone and teeth was calculated for each taxon. Where fresh breaks were noted, fragments were refitted and counted as one. The data produced the basic NISP (Number of Identified Specimen) counts.

The condition of the bone was graded using the criteria stipulated by Lyman (1996). Grade 0 being the best preserved bone and grade 5 indicating that the bone had suffered such structural and attritional damage as to make it unrecognisable. Also fusion data, butchery marks (Binford 1981), gnawing, burning and pathological changes were noted when present.

Tooth eruption and wear stages were measured using a combination of Halstead (1985), Grant (1982), Levine (1982) and Payne (1973), and fusion data was analysed according to Silver (1969). Measurements of adult, that is, fully fused bones were taken according to the methods of von den Driesch (1976), with asterisked (\*) measurements indicating bones that were reconstructed or had slight abrasion of the surface.

### **Results**

The remains were generally of a moderate overall condition, averaging at grade 3 on the Lyman criteria (1996).

### ***Taphonomy***

No evidence of butchery, gnawing, burning or pathological conditions were noted on any of the remains.

## Species Representation

Table 1, Summary of Identified Bone (NISP)

| Taxon        | Romano-British?          |                          | Post-Medieval/<br>Modern | Undated        | Total |
|--------------|--------------------------|--------------------------|--------------------------|----------------|-------|
|              | Enclosure Ditch<br>[015] | Enclosure<br>Ditch [017] | Animal Burial [096]      | Ditch<br>[019] |       |
| Cattle       | 3                        |                          | 8                        | 1              | 12    |
| Large Mammal |                          | 1                        | 16                       |                | 17    |
| Unidentified |                          | 6                        | 58                       |                | 64    |
| N=           | 3                        | 7                        | 82                       | 1              | 93    |

As can be seen from Table 1, the majority of the remains were identified as cattle and large mammal sized, with a number of bone fragments unidentifiable to taxa.

### Enclosure Ditches [015] and [017]

As can be seen in Table 1, both enclosure ditches contained a minimal amount of animal bone. The identifiable cattle remains were a single tooth fragment and a possible pair of mandibles. One mandible recovered from ditch [015] provided a tooth wear score age, suggesting the remains were from an animal aged approximately 30-36 months.

### Animal Burial [096]

The animal burial recovered from possible post-medieval/ modern feature [096] represented the partially complete remains of a calf skeleton. No teeth were present to provide a tooth wear age score, however, all of the epiphyses were unfused and the size of the remains would suggest that the animal was in infancy at the time of death. No evidence for butchery, gnawing, burning or pathological conditions was noted on the remains.

### Undated Ditch [019]

A single fragment of cattle metatarsal was recovered from the fill of the undated ditch [019].

## Discussion

The assemblage recovered from Winteringham was rather small in size, and mostly dominated by an animal burial from a post-medieval/modern feature. The assemblage is too small to provide any detailed information on the underlying husbandry and economy practices that may have been undertaken on site, save the presence of the species identified. Due to the lack of animal bone recovered from enclosure ditches [015] and [017], it may suggest that these ditches were on the periphery of archaeological activity and not subject to large scale rubbish disposal. Therefore there is possible that more intensive activity may be uncovered in future schemes of work.

## References

- Baker, J, and Brothwell, D, 1980 *Animal Diseases in Archaeology*, Academic Press  
Binford, L., 1981, *Ancient Men and Modern Myths*, New York: Academic Press.



- Boessneck, J, 1969 Osteological Differences in Sheep (*Ovis aries* Linné) and Goat (*Capra hircus* Linné), in D Brothwell and E Higgs (eds) *Science in Archaeology*, Thames and Hudson, 331-358
- von den Driesch, A, 1976 *A Guide to the Measurement of Animal Bones from Archaeological Sites*, Peabody Museum
- Grant, A, 1982 'The Use of Tooth Wear as a Guide to the Age of Domestic Ungulates', in B Wilson *et al.* *Ageing and Sexing Animal Bones from Archaeological Sites*, BAR British Series 109, 91-108, Oxford
- Halstead, P, 1985 A Study of Mandibular Teeth from Romano-British Contexts at Maxey, in F Pryor, *Archaeology and Environment in the Lower Welland Valley*, East Anglian Archaeology Report 27:219-224
- Levine, M A, 1982 The Use of Crown Height Measurements and Eruption-Wear Sequences to Age Horse Teeth. In Wilson, B et al. *Ageing and Sexing Animal Bones from Archaeological Sites*. BAR British Series 109. 223 – 250
- Lyman, R L, 1996 *Vertebrate Taphonomy*, Cambridge Manuals in Archaeology, Cambridge University Press, Cambridge
- Payne, S. 1973. Kill-off patterns in sheep and goats: the mandibles from Asvan Kale. *Anatolian Studies* **23**, 139-47.
- Prummel, W and Frisch, H-J, 1986 A Guide for the distinction of species, sex and body size in bones of sheep and goat, *Journal of Archaeological Science* XIII., 567–77
- Serjeantson, D, 1996 The Animal Bones, in *Refuse and Disposal at Area 16, East Runnymede: Runnymede Bridge Research Excavations*, Vol. 2, (eds) E S Needham and T Spence, British Museum Press, London
- Silver, I, A, 1969, The Ageing of Domestic Animals, in D. Brothwell and E.S. Higgs, *Science in Archaeology*, Thames and Hudson.

| Ctxt No | Sample No | Taxon        | Element      | Side | Z1 | Z2 | Z3 | Z4 | Z5 | Z6 | Z7 | Z8 | Prox | Dist | Path | Butch | Work | Burnt | Gnaw | Fresh Break | Assoc'd | Meas'd | Tooth Wear | Surface | Cond | No | (g) | Notes                                |
|---------|-----------|--------------|--------------|------|----|----|----|----|----|----|----|----|------|------|------|-------|------|-------|------|-------------|---------|--------|------------|---------|------|----|-----|--------------------------------------|
| 20      | 0         | Cattle       | Metatarsal   | L    | N  | N  | Y  | Y  | Y  | Y  | N  | N  | X    | X    | N    | N     | N    | N     | N    | Y           | N       | N      | N          | X       | 3    | 1  | 52  |                                      |
| 18      | 0         | Large Mammal | Thoracic     | B    | N  | N  | N  | N  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | Y           | N       | N      | N          | X       | 3    | 1  | 12  |                                      |
| 18      | 0         | Unidentified | Unidentified | X    | N  | N  | N  | N  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | N           | N       | N      | N          | X       | 4    | 6  | 5   |                                      |
| 48      | 0         | Cattle       | Mandible     | L    | N  | N  | Y  | N  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | Y           | N       | N      | N          | X       | 3    | 1  | 33  | Fragmentary M1 and broken M2 present |
| 47      | 0         | Cattle       | Mandible     | R    | N  | N  | Y  | Y  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | Y           | N       | N      | Y          | X       | 3    | 1  | 79  | M1=j, M2=f, M3=b                     |
| 47      | 0         | Cattle       | Tooth        | L    | N  | N  | N  | N  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | N           | N       | N      | N          | X       | 3    | 1  | 22  | Upper molar                          |
| 98      | 0         | Cattle       | Tibia        | L    | N  | N  | Y  | Y  | Y  | Y  | N  | N  | X    | U    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 3    | 1  | 16  | Infant/juv                           |
| 98      | 0         | Cattle       | Tibia        | L    | Y  | Y  | N  | N  | N  | N  | N  | N  | U    | X    | N    | N     | N    | N     | N    | Y           | Y       | N      | N          | X       | 3    | 1  | 7   | Infant/juv                           |
| 98      | 0         | Cattle       | Innominate   | L    | N  | Y  | Y  | Y  | N  | N  | N  | N  | U    | X    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 3    | 1  | 5   | Infant/juv                           |
| 98      | 0         | Cattle       | Astragalus   | L    | N  | Y  | N  | Y  | N  | Y  | N  | Y  | X    | X    | N    | N     | N    | N     | N    | Y           | Y       | N      | N          | X       | 3    | 1  | 5   | Infant/juv                           |
| 98      | 0         | Large Mammal | Rib          | X    | N  | N  | N  | N  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 3    | 6  | 4   | Infant/juv                           |
| 98      | 0         | Cattle       | Tibia        | L    | N  | N  | N  | N  | N  | N  | Y  | Y  | X    | U    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 2    | 1  | 2   | Infant/juv                           |
| 98      | 0         | Cattle       | Innominate   | L    | N  | N  | N  | N  | N  | N  | Y  | N  | U    | X    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 3    | 1  | 3   | Infant/juv                           |
| 98      | 0         | Large Mammal | Vertebra     | B    | N  | N  | N  | N  | N  | N  | N  | N  | U    | U    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 3    | 6  | 7   | Infant/juv                           |
| 98      | 0         | Large Mammal | Vertebra     | X    | N  | N  | N  | N  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 3    | 4  | 4   | Neural arches Infant/juv             |
| 98      | 0         | Cattle       | Metatarsal   | L    | N  | N  | Y  | Y  | Y  | Y  | N  | N  | F    | X    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 4    | 1  | 10  | infant/juv                           |
| 98      | 0         | Cattle       | Femur        | L    | N  | N  | Y  | Y  | Y  | Y  | N  | N  | X    | X    | N    | N     | N    | N     | N    | N           | Y       | N      | N          | X       | 3    | 1  | 6   | infant/juv                           |
| 98      | 0         | Unidentified | Unidentified | X    | N  | N  | N  | N  | N  | N  | N  | N  | X    | X    | N    | N     | N    | N     | N    | N           | N       | N      | N          | X       | 4    | 58 | 40  |                                      |

## **Key: Codes and references used in cataloguing animal bone**

**Taxon:** Species, family group or size category.

Non-species specific codes: -

: Equid- Horse Family

: Gadidae- Cod Family

: Passer- Passerine, Small songbirds i.e. Sparrow or Finches

: Turdid- Turdidae, Blackbird/Thrush family

: Corvid- Corvidae, Crow family i.e. Crow, Rook or Jackdaw

: Galliform- Fowl or Pheasant

: Large Mammal – Cattle, Horse, Red Deer size

: Medium Mammal- Sheep/Goat, Pig, Dog, Roe Deer size

: Small Mammal- Cat, Rabbit size

: Micro Mammal- Mouse sized

: Unidentified- Not identified to species

**Element:** Skeletal element represented.

: Unidentified- Not identified to element

**Side:** L-Left, R- Right, B- Both

**Zones:** Records presence/absence of individual areas of the bone.

Based on Zone illustrations in Serjeantson, D, 1996 *The Animal Bones, in Refuse and Disposal at Area 16, East Runnymede: Runnymede Bridge Research Excavations, Vol. 2*, (eds) E S Needham and T Spence, British Museum Press, London.

**Prox & Dist:** Fusion of proximal and distal epiphyses

: X- Not present, F- Fused, U- Unfused, B- Unfused diaphysis and epiphysis present, V- Fusion Line visible.

**Age Range:** Age range based on age at fusion. Based on

Silver, I, A, 1969, *The Ageing of Domestic Animals, in D. Brothwell and E.S. Higgs, Science in Archaeology*, Thames and Hudson.

**Path:** Presence of pathology, details in notes column.

**Butch:** Presence of butchery, details in notes column.

**Burnt:** Presence of burning, details in notes column.

**Gnaw:** Presence of gnawing, details in notes column.

**Work:** Fragment shows evidence of working, details in the notes column.

**Fresh Break:** Fresh break noted, fragments re-fitted as one bone.

**Associated:** Articulating or adjoining bones.

**Measured:** Measurements taken as according to Von den Driesch, A, 1976 *A Guide to the Measurement of Animal Bones from Archaeological Sites*, Peabody Museum.

**Tooth Wear:** Tooth wear score for aging data, taken as according to:

Grant, A, 1982 'The Use of Tooth Wear as a Guide to the Age of Domestic Ungulates', in B Wilson et al. *Ageing and Sexing Animal Bones from Archaeological Sites*, BAR British Series 109, 91-108, Oxford

Halstead, P, 1985 A Study of Mandibular Teeth from Romano-British Contexts at Maxey, in F Pryor, *Archaeology and Environment in the Lower Welland Valley, East Anglian Archaeology Report 27:219-224*

Levine, M A, 1982 The Use of Crown Height Measurements and Eruption-Wear Sequences to Age Horse Teeth. In Wilson, B et al. *Ageing and Sexing Animal Bones from Archaeological Sites*. BAR British Series 109. 223 – 250

**Surface:** Taphonomies noted on the bone surface:

W- Weathered

A- Abraded

R- Rootlet etched

D- Chemical etching from digestion

**Cond:** Grades 0-5, where 0 = pristine and 5= indicating that the bone had suffered such structural and attritional damage as to make it unrecognisable. Based on Lyman, R L, 1996 *Vertebrate Taphonomy*, Cambridge Manuals in Archaeology, Cambridge University Press, Cambridge

**No.:** Number of individual bones/fragments

**(g):** Weight in grams

**Notes:** Notes on observed taphonomies, differences and associations.

## **Appendix 9: Palaeoenvironmental Assessment**

*By Archaeological Services, Durham University*

### **1.0 Summary**

#### ***The project***

1.1 This report presents the results of palaeoenvironmental assessment of 13 bulk samples taken during archaeological works by Pre-Construct Archaeological Services Ltd, at land to the north of Composition Lane, Eastfield Farm, Winteringham, North Lincolnshire.

#### ***Results***

1.2 Charred plant remains, though small in number and generally in very poor condition, were recorded in 11 of the samples. The results suggest that spelt wheat and barley identified from contexts (30) and (54), were used at the site. These were the major field crops at the time of the Roman occupation in Britain.

1.3 The charred tubers of false oat-grass were present in pit fill (32), ditch fill (70) and gully fill (99), which may indicate a prehistoric date for these features. The tubers may represent ritual activity, the burning of turves, kindling, or food waste. A charred hazelnut shell fragment in context (18) suggests gathered foods were used at the site.

1.4 The redeposited material from context (81) was made up entirely of coal shale, which is likely to have a natural origin.

#### ***Recommendations***

1.5 No further analysis is required for these samples due to the small amounts of charred plant remains recorded, and as all the contexts were fully processed and scanned in their entirety. The presence of charred plant remains (albeit limited) indicates that other features on the site may have the potential to provide further information about diet and crop husbandry practices. If additional works are undertaken on the site, the results from this assessment should be added to any further environmental data produced.

### **2.0 Project background**

#### ***Location and background***

2.1 Thirteen bulk environmental samples were taken by Pre-Construct Archaeological Services Ltd following archaeological works at land to the north of Composition Lane, Eastfield Farm, Winteringham, North Lincolnshire. The site lies within 300m of the northern limit of the Roman settlement of Old Winteringham, which was at the north end of Ermine Street. This report presents the results of environmental assessment of samples taken from a range of features including pits, ditches, enclosure ditches, a gully and a trackway.



## **Objective**

2.2 The objective was to establish the potential of the samples to provide information about diet, land use and the palaeoenvironment of the site.

## **Dates**

2.3 Samples were received by Archaeological Services Durham University on 8th October 2009. Assessment and report preparation was conducted between 17th – 20th November 2009.

## **Personnel**

2.4 Sample processing was undertaken by Janet Beveridge, Charlotte Henderson, and Tudor Skinner. Assessment and report preparation was by Lorne Elliott.

## **Archive**

2.5 The site code is WGMCY. The flots are currently in the Environmental Laboratory at Archaeological Services Durham University. The small finds have been returned to Pre-Construct Archaeological Services Ltd.

## **3.0 Methods**

3.1 The bulk samples were manually floated and sieved through a 500µm mesh. The residues were examined for shells, fruitstones, nutshells, charcoal, small bones, pottery sherds, flint and industrial residues, and were scanned using a magnet for ferrous fragments. The flots were examined at up to ×60 magnification for charred and waterlogged botanical remains using a Leica MZ7.5 stereomicroscope. Identification of these was undertaken by comparison with modern reference material held in the Environmental Laboratory at Archaeological Services Durham University. Plant nomenclature follows Stace (1997).

## **4.0 Results**

### **Pits**

4.1 Three pit fills (32), (34) and (102) were sampled for palaeoenvironmental assessment. Small numbers of charred plant macrofossils occurred in all three contexts, although preservation was generally poor, with many grains having a pitted and degraded appearance. Context (32) was the most productive of the three, comprising a few charred remains of barley, wheat, and indeterminate cereal grains, a pod of the arable weed wild radish, a grass seed and two tubers of false oat-grass. Oak charcoal was abundant in context (102), which also comprised a wheat grain and four indeterminate grains. Two indeterminate cereal grains and a fragment of charcoal from the cherry family (*Prunus* spp) were noted in context (34).

### **The Trackway**

4.2 Four samples were taken from a series of parallel ditches interpreted as flanking an east-west aligned trackway. Contexts (81) and (121) were from ditch fills to the north of the trackway. Context (81) was composed entirely of coal shale, with charred plant remains absent. Context (121) contained a charred indeterminate

cereal grain and tiny fragments of calcined bone and charcoal, which were too small to either identify or radiocarbon date. Contexts (54) and (118) were from ditch fills to the south of the trackway. Charred plant remains were again few in number and poorly preserved for both contexts. Context (54) comprised a grain each of barley and wheat, two indeterminate cereal grains, and a grass seed. Chaff in the form of a single spelt wheat glume base and an indeterminate spikelet fork of either spelt or emmer wheat, were also recorded in context (54). Context (118) comprised a single grain of both wheat and barley.

### ***Ditches/Gullies [9], [11] and [29]***

4.3 Three fills were sampled from a group of possibly associated ditches and/or gullies, aligned northeast-southwest at the southwest corner of the site. Context (79) was the fill of ditch [9], context (99) was the fill of gully [11] and context (30) was the fill of ditch [29]. A small number of charred remains occurred in contexts (30) and (99). A grain of barley, two indeterminate cereal grains, a spelt wheat glume base, an indeterminate spikelet fork of either spelt or emmer wheat, and a weed seed of ribwort plantain occurred in context (30). Context (99) comprised three barley grains (one of which was of the hulled variety), a single grain each of wheat and oat and a tuber of false oat-grass. Charred plant macrofossils were absent from context (79). Oak charcoal occurred in contexts (30) and (79), while several fragments of ash charcoal were noted in context (99).

### ***Ditches/Gullies [5] and [19]***

4.4 Context (70) was the fill of an east-west aligned ditch [5], which was earlier than the ridge and furrow, but did not obviously respect the trackway. The only charred plant macrofossil from this fill was a tuber of false oat-grass. Small fragments of oak charcoal and a tiny fragment of Maloideae (Apple, hawthorn or whitebeams) charcoal were also recorded.

### ***Enclosure [15] / [17]***

4.5 Ditch fills (46) and (18) were taken from the southeast corner of a rectilinear enclosure, ditches [15] and [17] respectively. Context (18) comprised the largest number of plant remains of all the assessed samples, although due to their poor preservation, the majority of these were indeterminate cereal grains. Grains of wheat and barley, a hazelnut shell fragment, and weed seeds of grasses, sedge, and vetch were also recorded. Fragments of oak charcoal were noted from both contexts.

4.6 An abundance of flint occurred in all the residues reflecting the local geology. Some of this may have been struck or possibly fire-cracked. Indeterminate fragments of unburnt and/or calcined bone were recorded in the residues or flots of nine contexts (18), (30), (32), (34), (46), (70), (79), (99) and (121). Context (99) comprised two sherds of pottery, and small fragments of glass were recorded in contexts (34) and (118). The flots comprised varying amounts of charcoal, clinker/cinder, coal, coal shale, insects, roots, uncharred seeds and uncharred vegetative material. The well-drained nature of the site, and the presence of modern roots and uncharred vegetative material in several of the contexts, suggest the uncharred seeds are recent introductions. The presence of coal and coal shale is more likely to reflect the local geology rather than the use of coal as fuel. Material suitable for radiocarbon dating was present in nine of the samples (18), (32), (34), (46), (54), (70), (99), (102) and (118) although the material in contexts (70), (102) and (118) may be of insufficient weight. The results are presented in Appendix 1.

## 5.0 Discussion

5.1 Charred plant remains, though small in number, were recorded in 11 of the samples. The results suggest that wheat and barley crops were used at the site. The poor condition of the majority of the grains and the lack of diagnostic chaff in most of the samples prevent further identification, although a barley grain from context (99) appeared to be of the hulled variety. A fragment of spelt chaff was identified in each of contexts (30) and (54), along with grains of barley. Barley and spelt wheat were the major field crops at the time of the Roman occupation in Britain (Greig 1991). The oat grain in context (99) may be from the wild species, as oats was not widely cultivated before the early medieval period (ibid).

5.2 The charred tubers of false oat-grass were present in pit fill (32), ditch fill (70) and gully fill (99). As these tubers are often recorded on prehistoric sites, their presence may indicate an early date for these features. These tubers frequently occur in cremations, where it has been suggested that this grass was used for kindling for the funeral pyre, as the dry, dead stems remain upstanding for much of the year (Robinson 1988). However, it has also been suggested that they may have been used in the past as a source of food (Godwin 1975), or they could reflect the burning of turves. A charred hazelnut shell fragment in context (18) suggests gathered foods were used at the site.

5.3 The redeposited material from context (81) was made up entirely of coal shale, which is likely to have a natural origin.

## 6.0 Recommendations

6.1 No further analysis is required for these samples due to the small amounts of charred plant remains recorded, and as all the contexts were fully processed and scanned in their entirety. The presence of charred plant remains (albeit limited) indicates that other features on the site may have the potential to provide further information about diet and crop husbandry practices. If additional works are undertaken on the site, the results from this assessment should be added to any further environmental data produced.

## 7.0 Sources

Godwin, H, 1975 *History of the British Flora, A factual basis for Phytogeography, 2nd Edition*, Cambridge

Greig, J R A, 1991 The British Isles, in W Van Zeist, K Wasylikowa & K-E Behre (eds) *Progress in Old World Palaeoethnobotany*, Rotterdam

Robinson, M, 1988 The significance of the tubers of *Arrhenatherum elatius* (L.) Beauv. From Site 4, cremation 15/11, in: G Lambrick, (ed) *The Rollright Stones: Megaliths, monuments and settlement in the prehistoric landscape*, English Heritage Archaeological Report 6

Stace, C, 1997 *New Flora of the British Isles*, 2nd Edition, Cambridge



| Sample   | 1     | 2     | 3   | 4     | 5     | 6     | 7     | 8   | 9     | 10    | 11    | 12    | 13  |
|--|-------|-------|-----|-------|-------|-------|-------|-----|-------|-------|-------|-------|-----|
| Context  | 54    | 81    | 102 | 79    | 99    | 18    | 46    | 34  | 70    | 118   | 30    | 121   | 32  |
| Feature  | Ditch | Ditch | Pit | Ditch | Gully | Ditch | Ditch | Pit | Ditch | Ditch | Ditch | Ditch | Pit |
| (c) Triticum spelta (Spelt Wheat) glume base                               | 1     | -     | -   | -     | -     | -     | -     | -   | -     | -     | 1     | -     | -   |
| (c) Triticum spelta or Triticum dicoccum (Spelt/Emmer Wheat) spikelet fork | 1     | -     | -   | -     | -     | -     | -     | -   | -     | -     | 1     | -     | -   |
| (c) Triticum spp (Wheat species) grain                                     | 1     | -     | 1   | -     | 1     | 7     | -     | -   | -     | 1     | -     | -     | 2   |
| (g) Arrhenatherum elatius ssp bulbosum (False Oat-grass) tuber             | -     | -     | -   | -     | 1     | -     | -     | -   | 1     | -     | -     | -     | 2   |
| (r) Galium aparine (Cleavers) seed   | -     | -     | -   | -     | -     | -     | 2     | -   | -     | -     | -     | -     | -   |
| (r) Plantago lanceolata (Ribwort plantain) seed                            | -     | -     | -   | -     | -     | -     | -     | -   | -     | -     | 1     | -     | -   |
| (t) Corylus avellana (Hazelnut) nutshell fragment                          | -     | -     | -   | -     | -     | 1     | -     | -   | -     | -     | -     | -     | -   |
| (w) Carex spp (Sedges) biconvex nutlet                                     | -     | -     | -   | -     | -     | 1     | -     | -   | -     | -     | -     | -     | -   |
| (x) Poaceae undiff. <2mm (Grass family) caryopsis                          | -     | -     | -   | -     | -     | 1     | -     | -   | -     | -     | -     | -     | -   |
| (x) Poaceae undiff. >2mm (Grass family) caryopsis                          | 8     | -     | -   | -     | -     | 6     | -     | -   | -     | -     | -     | -     | 1   |
| (x) Vicia spp (Vetch) seed   | -     | -     | -   | -     | -     | 1     | 2     | -   | -     | -     | -     | -     | -   |