

# Contents

<b>List of illustrations .....</b>	<b>xi</b>
<b>List of tables.....</b>	<b>xvii</b>
<b>Abstract.....</b>	<b>xix</b>
<b>1. Introduction .....</b>	<b>1</b>
<i>Andy Boucher</i>	
1.1. Background to the work .....	1
1.2. Geology, topography and drainage.....	1
1.3. The nature of the archaeological record .....	3
<b>2. Roman Worcester and its regional setting.....</b>	<b>5</b>
<i>Andy Boucher and Alex Smith</i>	
2.1. Regional overview.....	5
The development of nucleated centres in the region .....	6
Rural occupation in the region.....	7
Roman industry.....	7
2.2. Roman Worcester.....	8
<b>3. Results of the excavations .....</b>	<b>11</b>
<i>Andy Boucher</i>	
3.1. Natural deposits and features.....	11
3.2. Phase 1 – early deposits and features ( <i>c</i> AD 100–175).....	11
Phase 1a – enclosure .....	11
Boundary/enclosure and associated features (G1, G3, G125, G148) .....	11
Oven and associated features (G7, G8).....	14
Phase 1b – changes to the enclosure boundary.....	17
Circular structure (G31).....	17
Burnt or industrial features (G85, G89, G109, G151, G156, G157) .....	18
Ovens with stake-holes (G63, G64).....	20
Features to the north of the boundary ditch (G52).....	21
3.3. Phase 2 – establishment of rectilinear structures within the site ( <i>c</i> AD 125–225).....	21
Early east-west aligned structure in the south-west part of the site (G149).....	21
Rectangular structures (G10, G53, G54, G145) (early-mid-2 <sup>nd</sup> century) .....	21
Rebuilt structure (G11, G98) (late 2 <sup>nd</sup> century).....	24
Structure and associated industry in the south-west part of the site (G88, G111, G112) (late 2 <sup>nd</sup> century) .....	25
Associated industrial activity (G17, G30, G44, G59, G60, G80, G128) (mid-2 <sup>nd</sup> century) .....	26
Well (G120) .....	28
Cremation burial (G126).....	29
Pits and other cut features (G65, G114, G127).....	30
3.4. Phase 3 – terracing of the site ( <i>c</i> AD 250–320).....	30
Soil layers in the south-west corner of the site .....	30
Main surface and patching (G19) .....	31
Possible gravel base for a small rectangular structure.....	34
Impressions in the gravel for rectilinear structures (G16, G200, G18) .....	34
3.5. Phase 4 – industry and occupation ( <i>c</i> AD 250–320).....	35
Cess pit (G141).....	35
Workshop in the south-west part of the site (G5, G15, G24, G25, G41, G43, G45, G129, G134, G137) .....	35
Other industrial activity (G26, G123, G124, G142).....	38
Sandstone footing (G131).....	41
Associated industrial features (G138, G139, G140).....	41

Wheel ruts on the main surface (G143, G161) .....	44
Other pits (G95, G121, G147) .....	44
3.6. Post-Roman archaeology .....	44
<b>4. The pottery .....</b>	<b>47</b>
<i>Jeremy Evans and Margaret Ward with contributions by Phil Mills and Brenda Dickinson</i>	
4.1. Introduction and methods .....	47
4.2. Taphonomy .....	47
4.3. Chronology .....	50
Phase 1 .....	51
Phase 2 .....	52
Phase 3 .....	53
Phase 4 .....	53
4.4. Fabrics .....	53
Class A, amphorae .....	53
Class B, black burnished wares .....	57
Class C, shell-tempered ware .....	59
Class F, colour-coated wares .....	59
Class G, gritted wares .....	61
Class M, mortaria .....	65
Class O, oxidised wares .....	67
Class Q, white-slipped oxidised wares .....	80
Class R, reduced wares .....	84
Class S, samian wares .....	87
Forms, products and condition .....	87
South Gaulish wares .....	92
Central Gaulish ware .....	92
East Gaulish ware .....	98
Graffiti .....	100
Wear and repair .....	100
Re-working and re-use .....	100
Further discussion of samian ware .....	101
Class W, whitewares .....	101
4.5. Functional and fineware analysis .....	102
4.6. Repaired vessels .....	103
4.7. Burnt and sooted vessels .....	103
4.8. Discussion of pottery .....	105
Supply .....	105
Status .....	106
<b>5. The finds .....</b>	<b>107</b>
<i>Lynne Bevan, Andy Boucher, Kath Crooks, Peter Guest, Martin Henig, Julie Lochrie, Paul Olver, Peter Thomso</i>	
5.1. Introduction and Summary .....	107
5.2. Coins .....	107
5.3. Copper alloy .....	108
Jewellery and personal items .....	108
Toilet instruments .....	109
Other items .....	110
5.4. Iron .....	110
Iron objects .....	110
Hobnails and nails .....	111
5.5. Ceramic .....	111
5.6. Vessel and window glass .....	112
Blue-green glass bottles .....	113
Other blue-green vessels .....	113
Pale green vessels .....	113

Colourless vessel .....	113
Window glass .....	113
5.7. Stone .....	113
Querns .....	114
Upper stones .....	114
Lower stones .....	116
Whetstone .....	116
Furniture fragment .....	116
5.8. Ceramic building materials .....	117
Brick and tile .....	117
Fired clay .....	119
5.9. Ironworking residues .....	119
Slag .....	120
Magnetic micro-residues .....	120
Discussion of ironworking residues .....	122
<b>6. Environmental evidence .....</b>	<b>125</b>
<i>Callista Vink, Andy Hammond, Elizabeth Pearson, David Jordan and Andy Boucher</i>	
6.1. Faunal remains .....	125
Methodology .....	125
Preservation .....	125
Residuality and contamination .....	125
Fragmentation .....	126
Results of analysis .....	126
Cattle .....	126
Sheep/goat .....	128
Pig .....	128
Horse .....	129
Dog .....	130
Deer .....	130
Birds .....	130
Other .....	130
Discussion of the animal bone .....	130
6.2. Charred plant remains .....	131
Methods .....	131
Results .....	131
Discussion of the plant remains .....	131
6.3. Sediments .....	132
Natural sands .....	132
Buried soil beneath cobbles in eastern area .....	132
'Dark earth' layer exposed in the southern section .....	133
Discussion of the sediments .....	133
<b>7. The human bone .....</b>	<b>135</b>
<i>Jacqueline I McKinley, Dr P Nystrom, O Craig and S Isaksson</i>	
7.1. Cremated bone and aspects of the mortuary rite .....	135
Disturbance and condition .....	135
The dead .....	136
Cremation .....	136
Bone weight .....	136
Fragmentation .....	136
Skeletal elements .....	137
Pyre goods and debris .....	137
Burial formation process .....	137
Conclusion .....	137
7.2. Analysis of residues in the cremation vessel .....	138
7.3. Other human bone .....	138

<b>8. Archaeomagnetic dating .....</b>	<b>139</b>
<i>Paul Linford</i>	
<b>9. Interpretation of the archaeology within the site.....</b>	<b>141</b>
<i>Andy Boucher</i>	
9.1. Date of occupation and activity .....	141
9.2. Nature of occupation .....	141
Phase 1 .....	141
Phase 2 .....	142
Phase 3 .....	143
Phase 4 .....	144
<b>10. The site, Roman Worcester and smithing.....</b>	<b>149</b>
<i>Andy Boucher and Alex Smith</i>	
<b>Bibliography .....</b>	<b>153</b>
<b>Appendix 1 – Pottery fabric descriptions .....</b>	<b>165</b>
<i>Jeremy Evans and Phil Mills</i>	
<b>Appendix 2 – Fabric occurrence by phase.....</b>	<b>169</b>
<i>Jeremy Evans and Phil Mills</i>	
<b>Appendix 3 – Catalogue of pottery.....</b>	<b>177</b>
<i>Jeremy Evans and Phil Mills with contributions by Margaret Ward and Brenda Dickinson</i>	
<b>Appendix 4 – Pottery form occurrence by phase.....</b>	<b>199</b>
<i>Jeremy Evans and Phil Mills</i>	
<b>Appendix 5 – Occurrence of samian vessels across contexts .....</b>	<b>209</b>
<i>Margaret Ward</i>	
<b>Appendix 6 – Bone butchery marks.....</b>	<b>211</b>
<i>Callista Vink</i>	
<b>Appendix 7 – Lipid analysis of cremation vessel.....</b>	<b>215</b>
<i>O Craig and S Isaksson</i>	