Table 2.1 Summary of phasing and broad environmental/landscape conditions at the excavated sites

phase	***date***	***natural environment***	***cultural landscape***
10	modern	freshwater (reclaimed)	• topsoil
9	18th – 19th century	freshwater (reclaimed)	• latest infilling of ditches/gripes at Church Field and Home Ground
8	17th century	freshwater (reclaimed)	• re-occupation at Home Ground
7	14th to 16th century	freshwater (reclaimed)	• contraction of Puxton village and abandonment of tenements at Church Field and Home Ground
6	late 11th to 13th century	freshwater (reclaimed)	• continued occupation in Church Field and expansion of settlement to Home Ground
5	?*c* late 10th/early 11th century	decrease in inundation?	• 'summer/ring dike' at Church Field • earliest features within Church Field (on a different orientation to the 12th-13th century ditched enclosure
4	early medieval	intertidal saltmarsh	• alluvium above upper dark horizon
3	late Romano-British	freshwater (reclaimed)	• upper dark horizon (buried soil) at Home Ground and Hardingworth • upper fill of ditched enclosure system at Dolemoor • drainage ditch/gullies beneath later bank in Church Field
2b	early Romano-British	decrease in inundation?	• creation and lower fill of ditched enclosure system on Dolemoor
2a	Late Iron Age	intertidal saltmarsh	• salt production at Dolemoor • alluvium below upper dark horizon at Home Ground
1	Middle Iron Age	decrease in inundation	• lower dark horizon at Home Ground
0	pre Middle Iron Age	intertidal saltmarsh	• alluvium below lower dark horizon at Home Ground

Table 2.2 Summary of preservation of palaeoenvironmental indicators (all sites published here unless otherwise stated)

site	*feature/context*	*samples*					
		soil micro.	**diatoms**	**foraminifera**	**pollen**	**plant macros**	**Molluscs**
upper part of Upper Wentlooge sequence							
Banwell Moor (Rippon 2000b)		*	*	*	*	*	*
Home Ground		*		*	*	*	*
Hardingworth	context 417					*	
Late Iron Age							
Banwell Moor (Rippon 2000b)	saltern F.281					*	*
Dolemoor	saltern 361						*
early and late Romano-British							
Dolemoor	ditch F.365		*	*	*	*	
	ditch F.311						*
	pit F.301					*	
late Romano-British							
Banwell Moor (Rippon 2000b)		*	*	*	*	*	*
Kenn Moor (Rippon 2000b)			*	*		*	*
Church Field	gully F.156						*
late 11th to 13th century							
Church Field	surface beneath bank (503)	*			*	*	
	enclosure ditch F.103		*	*	*	*	*
	ditch F.128		*	*	*	*	*
	ditch F.140 (recut of F.128)					*	*
	ditch F.115					*	
	ditch F.135					*	*
	ditch F.510					*	
	ditch F.526					*	
Home Ground	gully F.243					*	
	pit F.265					*	*
	ditch F.267		*	*		*	*
	ditch F.308					*	*
?medieval or post medieval							
Dolemoor	ditch F365 (upper cut)		*		*	*	
Moor Dairy						*	*

17th/18th century							
Church Field	ditch F.140 (recut of F.128)					*	*
Home Ground	ditch F.209					*	*

Table 3.1 Radiocarbon dates from the North Somerset Levels Project

	context	***sample***	***uncalibrated date***	***laboratory number***	***lalibrated date (two sigma)***
Home Ground, Puxton					
upper buried ground surface	281	organic rich sediment	1910+/-45	AA-32359	cal. BC 15 – AD 230
upper buried ground surface (second sample for confirmation)	281	organic rich sediment	2775+/-45	AA-45870; GU-9610	cal. BC 1012–826
lower buried ground surface	326	organic rich sediment	2585+/-50	AA-32358	cal. BC 828–544
Dolemoor, ditch F.365, Puxton					
upper cut, basal fill	375	organic rich sediment, 33–34cm	1340+/-40	AA-45869; GU-9600	cal. AD 642–773
lower cut, lower organic rich horizon	383	organic rich sediment, 68.5–69.5cm	3280+/-45	AA-45868; GU-9599	cal. BC 1684–1440
Moor Dairy					
trackway ditch	408	selected macrofossils	1575+/-45	AA-50090; GU-10114	cal. AD400–600

Table 3.2 Soil micromorphology, Home Ground: summary descriptions of contexts in thin section

context	*thickness*	*composite properties*	*mineral components*	*organic components*	*pedofeatures*
242	>18cm	Vughy microstructure with 10% porosity. Horizontally bedded.	Silty clay. Few fine sand-sized grains. Grey & brown (PPL); grey, brown & orange (OIL).	Rare. Highly fragmented and strongly decomposed. Very dark brown cell contents.	▪ gleying features ▪ soil fauna features ▪ slaking features
281 (upper dark horizon)	2cm	Vughy-channel microstructure with 15% porosity. No bedding.	Silty clay. Few fine sand-sized grains. Dark grey & brown (PPL); grey & brown (OIL).	Rare. Highly fragmented and strongly decomposed. Reddish brown and very dark brown cell contents.	▪ earthworm granules ▪ gleying features ▪ soil fauna features ▪ reworked fragments of other contexts
282	5cm	Vughy-channel microstructure with 5% porosity. No bedding.	Silty clay. Few fine sand-sized grains. Greyish brown (PPL); grey & brown (OIL). Rare fine charcoal fragments.	Rare. Highly fragmented and strongly decomposed. Dark brown cell contents.	▪ silty clay coatings on pore walls ▪ earthworm granules ▪ reworked fragments of other contexts ▪ gleying features ▪ slaking features
283	>25cm	Vughy microstructure with 10% porosity. No bedding.	Silty clay. Few fine & rare medium sand-sized grains. Whole & fragmented shells. Rare charcoal flecks. Grey (PPL & OIL).	Rare. Highly fragmented and strongly decomposed. Dark brown cell contents.	▪ soil fauna features ▪ silty clay coatings on pore walls ▪ gleying features ▪ reworked fragments of other contexts ▪ slaking features

Table 3.3 Stratigraphy and pollen samples from the upper part of the Upper Wentlooge Formation alluvial sequence at Home Ground. Depths are from the top of the upper monolith tin, which was 0.79m below the present ground surface (5.25m OD)

depth	***context***	***sample depth***	***stratigraphy***
0–16.5cm (4.46–4.295m OD)	242	15–16cm	pale brown clay
16.5–17.0cm (4.295–4.29m OD)	242/281		blue clay, merging boundary
17–20cm (4.29–4.26m OD)	281	17.0–17.5cm 18.0–18.5cm 19–20cm	blue clay with black patches and streaks (upper dark horizon)
20–30cm (4.26–4.16m OD)	282		blue/grey clay, occasional black flecks, merging boundary
30–60 (4.16–3.86m OD)	283		grey/brown clay mottled with orange, merging boundary
60–64cm (3.86–3.82m OD)	283/314		blue/grey/brown clay with diffuse black streaks, merging boundary
64–69cm (3.82–3.77m OD)	314	67–68cm	grey mottled clay with some black streaks (lower dark horizon)
69–84cm (3.77–3.62m OD)	252		grey mottled clay with some small snail shells

Table 3.4 Assessment of pollen from sediment samples from the upper part of the Home Ground alluvial sequence

	context	242	281	281	281	314
	sample depth in cm from top of tin 1	15–16	17–17.5	18–18.5	19–20	67–68
	total pollen counted	30	28	45	77	10
	***Lycopodium* recovered**	56	50	90	92	63
TREES & SHRUBS						
	Pinus (pine)	1	3		4	
	Quercus (oak)	3	1			
	Alnus (alder)	1		2	1	1
	Corylus-type (hazel)	1	2	1		
HERBACEOUS TYPES						
d	*Plantago lanceolata* (ribwort plantain)	4		1		1
d	*Plantago major* (greater plantain)	1				
d	Lactuceae (dandelion and related Asteraceae)	1	1	21	58	2
d, m	*Ranunculus acris*-type (buttercup family)				1	
d	Brassicaceae (cabbage family)	1			2	
d	*Cirsium*-type (thistles)				1	
d	Dipsacaceae (teasel family)					1
v	Poaceae (grasses)	12	14	17	5	1
v	Cyperaceae (sedges)		3	1	1	
v, c	*Cereal-type (cereals etc)*			1		
s, d	Chenopodiaceae (goosefoot family)	3	3	1	1	3
s	*Plantago coronopus* (buck's horn plantain)		1			1
v	Apiaceae (carrot family)				2	
h	Ericaceae (heaths)	1				
f	*Sparganium emersum*-type (bur reeds, lesser bulrush)	1				
Counted Outside Pollen Sum						
	Filicales undifferentiated (ferns)	4	8	9	32	4
	Polypodium vulgare (polypody fern)	2	3	3	12	8
	Pteridium aquilinum (bracken)	12	15	1	8	2
	Sphagnum (bog moss)	1			1	
	Spirogyra spores			1	7	
	Mougeotia spores			2	5	
	Spore Type 128			10	38	
	Degraded grains (unidentified)	16	13	41	85	12
	Crumpled grains (unidentified)	3	1			
	Pollen preservation	P	P	P	VP	VP

	Pollen concentration	VP	P	P	P	P
	Relative concentration of charcoal >40 μm	8000	9000	75000	56000	10100

Habitat preferences: v, various; d, disturbed ground; m, meadows or grazed land; c, cultivated land; s, saltmarsh or other maritime habitat; h, heathland; f, fresh water ditch. Preservation and concentration categories: P = poor; VP = very poor

Table 3.5 Foraminifera from the Home Ground alluvial sequence. Depth are below present ground surface. Numbers of forams are in 10cm^3 of wet sediment

depth	***context***	***no. of forams***	***species present***	***ecology of individual species***
50cm (4.40m OD)	218 (upper dark horizon)	<10	*Haynesina germanica* Agglutinated sp.	brackish, mid/low marsh–mudflat brackish, high–mid marsh
60cm (4.30m OD)	219	<100	*Haynesina germanica* *Elphidium williamsoni* *Ammonia beccarii v. limnetes*	brackish, mid/low marsh–mudflat brackish, mid/low marsh brackish–marine
70cm (4.20m OD)	219	<100	*Haynesina germanica* *Elphidium williamsoni* *Brizalina* sp. <125u	brackish, mid/low marsh–mudflat brackish, mid/low marsh estuary mouth–marine
80cm (4.10m OD)	219	>100	*Haynesina germanica* *Elphidium williamsoni* *Brizalina* sp. <125u	brackish, mid/low marsh–mudflat brackish, mid/low marsh estuary mouth–marine
90cm (4.00m OD)	321	>200	*Elphidium williamsoni* *Haynesina germanica* *Nonion depressulus* *Elphidium sp*	brackish, mid/low marsh brackish, mid/low marsh–mudflat estuary mouth–marine estuary mouth–marine
100cm (3.90m OD)	321	>200	*Elphidium williamsoni* *Haynesina germanica* *Nonion depressulus* *Elphidium sp*	brackish, mid/low marsh brackish, mid/low marsh–mudflat estuary mouth–marine estuary mouth–marine
110cm (3.80m OD)	321	>200	*Elphidium williamsoni* *Haynesina germanica* *Nonion depressulus* *Elphidium sp*	brackish, mid/low marsh brackish, mid/low marsh–mudflat estuary mouth–marine estuary mouth–marine
120cm (3.70m OD)	321	>200	*Elphidium williamsoni* *Haynesina germanica* *Nonion depressulus* *Elphidium sp*	brackish, mid/low marsh brackish, mid/low marsh–mudflat estuary mouth–marine estuary mouth–marine
130cm (3.60m OD)	324 (?palaeochannel associated with lower dark horizon)	>100	*Elphidium williamsoni* *Haynesina germanica* *Ammonia beccarii* Agglutinated marsh sp *Elphidium* sp.	brackish, mid/low marsh brackish, mid/low marsh–mudflat brackish–marine brackish , high–mid–marsh estuary mouth–marine
140cm (3.50m OD)	252	>200	*Elphidium williamsoni* *Haynesina germanica* *Elphidium sp.* *Ammonia beccarii* Agglutinated marsh sp.	brackish, mid/low marsh brackish, mid/low marsh–mudflat estuary mouth–marine brackish–marine brackish , high–mid–marsh

150cm (3.40m OD)	252	*c* 100	*Elphidium williamsoni* *Haynesina germanica* *Elphidium sp.* *Ammonia beccarii* Agglutinated marsh sp. *Brizlina* sp. <125u	brackish, mid/low marsh brackish, mid/low marsh–mudflat estuary mouth–marine brackish–marine brackish , high–mid–marsh estuary mouth–marine

Table 3.6 Plant macrofossils from upper dark horizon (context 417) at Hardingworth

	context	417	
	size of sample	25.8kg/26 litres	
	size of residue	7g	
	size of float	25ml	
WATERLOGGED PLANT REMAINS			**habitat**
CHARACEAE			
Chara spp	Stonewort	3	A
RANUNCULACEAE			
Ranunculus subg. *Batrachium* (DC.)A.Gray	Water Crowfoot	2	APR
LAMIACEAE			
Lycopus europaeus L.	Gipsywort	1	FRw
SCROPHULARIACEAE			
Veronica beccabunga L.	Brooklime	1	BMPR
ASTERACEAE			
Eupatorium cannabinum L.	Hemp-agrimony	freq frags	w-shade or open
ALISMATACEAE			
Alisma spp	Water Plantain	4	APR
POTAMOGETONACEAE			
Potamogeton spp	Pondweed	2	APR
LEMNACEAE			
Lemna spp	Duckweed	79	A
JUNCACEAE			
Juncus spp	Rush	168	GMRw
POACEAE			
Poaceae indet	Grasses	22	G
TYPHACEAE			
Typha spp	Bulrush	53	PR-reed swamp
	Total	**335**	

Key for habitats in all plant macrofossil tables

A: Aquatic
B. Bankside
C: Cultivated/Arable
D: Disturbed
E: Heath/Moor
F. Fens/Bogs
G: Grassland
H: Hedgerow
M: Marsh
P: Ponds, ditches - stagnant/slow flowing water
R: Rivers, streams
S: Scrub
W: Woodland

a: acidic
br: base rich
c: calcareous
d: dry soils
h: heavy soils
l: light soils
n: nitrogen rich soils
o: open habitats
p: phosphate rich soils
s: coastal
w: wet/damp soils
cultivated plant/of economic importance

Table 4.1 ?Late Iron Age and Romano-British pottery from excavations at Puxton

	fabric code	***description***	***number***	***%***	***Wt (g)***	***%***
Prehistoric	Preh	?Prehistoric	4	4.3	5	0.4
LIA–Roman	L1	soapy limestone/ vesic	17	18.3	144	12.7
	L2	Palaeozoic limestone	13	14.0	87	7.7
	L3	calcite-temper	3	3.2	19	1.7
	L4	pale, vesicular	7	7.5	39	3.4
	L6	Jurassic shell/limestone	9	9.7	141	12.4
	G2	grog-tempered	4	4.3	105	9.3
Roman	R9	grey very sandy	1	1.1	10	0.9
	R12	grey with limestone/cp	2	2.2	54	4.8
	R14	fine grey micaceous	8	8.6	289	25.5
	R20	fine black micaceous	4	4.3	15	1.3
	R21	black sandy ware	6	6.5	64	5.6
	R00	misc grey sandy	1	1.1	3	0.3
	SVW OX	Severn Valley ware	4	4.3	9	0.8
	SAV GT	Savernake type	8	8.6	113	10.0
	DOR BB1	Dorset BB1	2	2.2	36	3.2
TOTAL			**93**	**100.0**	**1133**	**100.0**

Table 4.2 The Roman coins from metal detecting in Puxton Church Field

coin	*obverse*	*reverse type*	*date range*	*denomination*
4	Copy of bust of Postumous/Victorinus?	?standard	259–286?	?Contemporary copy (radiate)
6	Claudius II Gothicus	Provid Aug	268–270	Radiate
2	Claudius II Gothicus	Aequitas Aug	268–270	Silvered radiate
3	Tetricus I?	illegible	270–273	Radiate
5	Tetricus I	Virtvs Aug	270–273	Radiate
8	Constantine I	Soli Invicto Comiti	307–318	Nummus
9	House of Constantine	Victoriae Laetae Princ Perp	318–324	Silvered nummus
12	House of Constantine	Gloria Exercitus	330–335	Nummus
10	House of Constantine	Constantinopolis	330–335	Nummus
7	Magnentius/Decentius	Victoriae DD NN Aug et Cae	350–353	Nummus (possible copy)
1	Valens?	Securitas Reipublicae	364–378	Nummus
11	House of Valentinian	Securitas Reipublicae	364–378	Nummus

Table 4.3 Stratigraphy, pollen, diatom, and foraminifera samples: Dolemoor ditch F.365. Depths are from the top of the upper monolith tin, 0.29m below the present ground surface (4.37m OD)

depth	***context***	***sample depth***		***stratigraphy***
		diatoms and forams	***pollen***	
0–22cm (4.08–3.86m OD)	362			mid blue/grey silty clay with some pale brown mottling, merging boundary
22–29cm (3.86–3.79m OD)	366			mid blue/grey silty clay with some pale brown mottles and some streaks of black organic matter
29–31cm (3.79–3.77m OD)	375	29.5–30.0cm	29.5–30.0cm	dark grey/brown silty clay (organic-rich lower fill of upper ditch cut)
31–34cm (3.77–3.74m OD)	375	32–33cm	32–33cm	black peaty-clay (organic-rich lower fill of upper ditch cut)
34–37cm (3.74–3.71m OD)	375	36–37cm	36–37cm	dark grey/brown silty clay (organic-rich basal fill of upper ditch cut)
37–54cm (3.71–3.54m OD)	376		41–42cm 45–46cm	light blue/grey silty clay with some orange–brown mottles and black streaking
54–56cm (3.54–3.52m OD)	381	54–55cm	54–55cm	dark grey/black silty clay with some visible organic material (upper organic-rich band within lower ditch cut)
56–65.5cm (3.52–3.425m OD)	382		61–62cm	light blue/grey silty clay with orange mottles and some black streaks, merging boundary
65.5–70.5cm (3.425–3.375m OD)	383	66–67cm 68.5–69.5cm	66–67cm 68.5–69.5cm	blue/grey silty clay with irregular lenses of black peaty clay (lower organic-rich lens within lower ditch cut)
70.5– 83cm (3.375–3.25m OD)	384		74–75cm 79–80cm	light blue/grey silty clay with iron staining along root channels (basal fill of lower ditch cut)

Table 4.4 Diatom remains from ditch F.365 context 375 (basal fill of upper cut). Numbers indicate valves or fragments and symbols "+" present/ "++" abundant

	sample depth		
	29.5–30.0cm	32.0–33.0cm	36.0–37.0cm
diatoms and salinity group			
Polyhalobous			
Podosira stelligera	1	1	
Polyhalobous to Mesohalobous			
Pseudopodosira westii 1	3	1	
Mesohalobous			
Nitzschia navicularis	1		1
Oligohalobous Indifferent			
Pinnularia major 8	11	1	
Unknown Salinity Preference			
Navicula sp.			
Unknown diatom fragments	27	23	1
Unknown Naviculaceae	5	1	1
Chrysophyte stomatocysts	35	31	3
centric diatom girdle band	2	2	
cf. sponge spicules	++	+	+

Table 4.5. Foraminifera from Dolemoor ditch F.365

depth *(from top of monolith tin)*	***context***	***number of tests >125μm in 10cm³ wet sediment***	***species present and total***		***ecology of individual species***
29.5 30.5cm	375 (lower fill, upper cut)	0			
33–33.5cm	375 (lower fill, upper cut)	1	*Jadammina macrescens*	1	brackish, high–mid marsh
36–37cm	375 (lower fill, upper cut)	0			
54–55cm	381 (lower cut)	0			
66–67cm	381 (lower cut)	0			
68–68.5cm	381 (lower cut)	12	*Jadammina macrescens* *Haplophragmoides wilberti*	75	brackish, high–mid marsh brackish, high–mid marsh

Table 4.6 Plant macrofossils from features at Dolemoor

		pit F.301	ditch F.365					
			lower cut			upper cut		
			middle fill		upper fill	basal fill	middle fill	
	context	**322**	**382**	**381**	**376**	**375**	**366**	
	sample size (kg/litres)	18.4/20	23.7/20	5.7/5	21.5/20	21.6/20	23.6/20	
	size of float	60 ml	700	300	150	400	35	
WATERLOGGED PLANT REMAINS								**habitat**
CHARACEAE								
Chara spp	Stonewort				1			A
CERATOPHYLLACEAE								
Ceratophyllum c.f. *demersum* L.	Rigid Hornwort				45 + f			PR
RANUNCULACEAE								
Ranunculus acris/repens/bulbosus	Meadow/Creeping/ Bulbous Buttercup		1	1		1		DG
Ranunculus lingua L.	Greater Spearwort				2			M
Ranunculus sardous Crantz	Hairy Buttercup		25	1	4			CDW
Ranunculus sceleratus L.	Celery-leaved Buttercup		1		4			MPR
Ranunculus subg. *Batrachium* (DC.) A.Gray	Water Crowfoot	1	2500+	76	150	107	18	APR
CHENOPODIACEAE								
Atriplex spp	Orache		102	1	1	1		CDn
Chenopodium album L.	Fat-hen	17						CDn
Chenopodium rubrum/glaucum L.	Red/Oak-leaved Goosefoot			2	4			Ds
Suaeda maritima (L.)Dumort	Annual Sea-blite		1					mid/lower saltmarsh
CARYOPHYLLACEAE								
Cerastium spp	Chickweed		2					CDG
Stellaria media (L.)Villars	Common Chickweed		7					CD
POLYGONACEAE								
Polygonum aviculare L.	Knotgrass		3	1				CD
Rumex c.f. *hydrolapathum* Hudson	Water Dock		2					MPR
Rumex spp	Dock		94	3				DG
BRASSICACEAE								
Rorippa nasturtium-aquaticum (L.)Hayek	Water-cress				8			BPR
Thlaspi arvense L.	Field Penny-cress		1					CD
ROSACEAE								
Potentilla anserina L.	Silverweed		6	2	1			DG, sand-dunes
Rubus sect. *Glandulosus* Wimmer & Grab	Bramble	1	2					DHSW
FABACEAE								
Medicago lupulina L.	Black Medick			1				GR

HALORAGACEAE								
Myriophyllum c.f. *spicatum* L.	Spiked Water-milfoil		1					PR br
APIACEAE								
Conium maculatum L.	Hemlock		1					Bw
Hydrocotyle vulgaris L.	Marsh Pennywort				1			FM
Oenanthe fistulosa L.	Tubular Water-dropwort				3			MPw
Oenanthe pimpinelloides L.	Corky-fruited Water-dropwort				2			MPw
Oenanthe spp	Water-dropwort				10			MPw
SOLANACEAE								
Hyoscyamus niger L.	Henbane		2					D, maritime sand & shingle
MENYANTHACEAE								
Menyanthes trifoliata L.	Bogbean					3		F - shallow water
LAMIACEAE								
Lycopus europaeus L.	Gipsywort				7			FRw
Mentha aquatica L.	Water Mint				67	10		MPw
Prunella vulgaris L.	Selfheal		1					DG
HIPPURIDACEAE								
Hippuris vulgaris L.	Mare's-tail				15			APR
PLANTAGINACEAE								
Plantago major L.	Greater Plantain		1		3			CDG-o
SCROPHULARIACEAE								
Odontites/Euphrasia sp	Bartsia/Eyebright		1					CD
Rhinanthus minor L.	Yellow Rattle			1				G
CAPRIFOLIACEAE								
Sambucus nigra L.	Elder		1		2	3		DHSWn
ASTERACEAE								
Cirsium c.f. *arvense* (L.)Scop	Creeping Thistle		55	16	1			CDGH
Cirsium spp	Thistle			31				DGMW
Cirsium/Carduus spp	Thistle		29	7	2	1		various
Hypochaeris sp	Cat's-ear		1					GW
Picris hieracioides L.	Hawkweed Oxtongue		2					DGoc
Sonchus asper (L.)Hill	Prickly Sow-thistle		15	2				CD
Sonchus oleraceus L.	Smooth Sow-thistle			8				CDW
Taraxacum sect *Ruderalia*	Dandelion			1				D, G/dw
ALISMATACEAE								
Alisma plantago-aquatica L.	Water Plantain				10			APR
Alisma spp	Water Plantain				85	3		APR
JUNCAGINACEAE								
Triglochin maritimum L.	Sea Arrowgrass		4	1				saltmarshes & salt sprayed G
POTAMOGETONACEAE								
Potamogeton spp	Pondweed		276	516	8	5		APR
ZANICHELLIACEAE								
Zanichellia palustris L.	Horned Pondweed		431	7				APR–fresh & brackish
LEMNACEAE								
Lemna spp	Duckweed			5	398	176	4	A
JUNCACEAE								

Juncus spp	Rush					14	5	GMRw
CYPERACEAE								
Carex spp	Sedge		5	2	9	4	1	GMPRW
Carex flacca Schreber	Glaucous Sedge				1			G, w d
Carex sylvatica Hudson	Wood-sedge		12					HSW damp
Carex vulpina L.	True Fox-sedge		3	5	22			Wh/M ditches
Cladium mariscus (L.)Pohl	Great Fen-sedge		4					FRw
Eleocharis palustris/uniglumis	Spike-rush		2	1	19			MPw
Schoenoplectus lacustris (L.)Palla	Common Club-rush		24	11	42			BPR–shallow
Schoenoplectus tabernaemontani (C.Gmelin)Palla	Grey Club-rush				30			BPR s
POACEAE								
Poaceae indet	Grass		27	8	109		3	G
TYPHACEAE								
Typha spp	Bulrush				9	57	4	PR–reed swamp
	Total:	**19**	**3645 +**	**710**	**1075**	**385**	**35**	
CHARRED PLANT REMAINS								
Grain								
Avena sp	Oat	5						#
c.f. *Avena* sp	Oat	3						#
Hordeum sp	Barley	13						#
c.f. *Hordeum* sp	Barley	10	1					#
Secale cereale	Rye	2						#
Triticum sp	Wheat	6						#
Cereal indet		15						#
	Total:	**54**	**1**	**0**	**0**	**0**	**0**	
Chaff								
Avena sp (pedicel - *fatua/ludoviciana* type)	Wild Oat	1						#
Avena sp (awns)	Oat	1						#
Triticum spelta (glume base)	Spelt wheat	2	1					#
Triticum sp (hulled wheat glume base)	Hulled wheat	3	1					#
Triticum sp (hulled wheat spikelet fork)	Hulled wheat	1						#
Triticum sp (awns - silicified)	Wheat	50+						#
Cereal embryo area		3						#
	Total:	**61+**	**2**	**0**	**0**	**0**	**0**	
Weeds								
CARYOPHYLLACEAE								
Stellaria media (L.)Villars	Common Chickweed	1						CD
BRASSICACEAE								
Raphanus raphanistrum ssp *raphanistrum* (pod frags)	Wild Radish	7						CD
PLANTAGINACEAE								
Plantago lanceolata L.	Ribwort Plantain		1					G
SCROPHULARIACEAE								

Odontites/Euphrasia spp	Bartsia/Eyebright	4						CD
CYPERACEAE								
Carex spp	Sedge	14						GMPRW
Carex sylvatica Hudson	Wood-sedge	20						HSW damp
Carex vulpina L.	True Fox-sedge	6						Wh/M ditches
Cladium mariscus (L.)Pohl	Great fen-sedge	7						FRw
Eleocharis palustris/uniglumis	Spike-rush	2						MPw
Schoenoplectus lacustris (L.)Palla	Common Club-rush	10						BPR–shallow
Schoenoplectus tabernaemontani (C.Gmelin)Palla	Grey Club-rush	7						BPR s
POACEAE								
Bromus sp	Brome	1						CD
Poa/Phleum spp	Meadow-grass/Cat's-tail	7						G
Poaceae indet	Grasses	11						G
Total:		**97**	**1**	**0**	**0**	**0**	**0**	

Key for habitats: see Table 3.6

Table 4.7 Plant habitat groups at Dolemoor

wet places: marsh, by or in ditches or streamsides

bankside/boggy places

Carex vulpina (CW) True Fox-sedge
Carex spp (CW) Sedge
Cladium mariscus (CW) Great Fen-sedge
Eleocharis palustris/uniglumis (C) Spike-rush
** *Hippuris vulgaris* (W) Mare's-tail
** *Hydrocotyle vulgaris* (W) Marsh Pennywort
Juncus spp (W) Rush
Lycopus europaeus (W) Gipsywort
Mentha aquatica (W) Water Mint
Menyanthes trifoliata (W) Bogbean
Oenanthe fistulosa (W) Tubular Water-dropwort
Oenanthe pimpinelloides (W) Corky-fruited Water-dropwort
Ranunculus lingua (W) Greater Spearwort
Ranunculus sceleratus (W) Celery-leaved Buttercup
Rorippa nasturtium aquaticum (W) Water-cress
Rumex hydrolapathum (W) Water Dock
Schoenoplectus lacustris (CW) Common Club-rush
Typha spp (W) Bulrush

aquatics

Alisma plantago-aquatica (W)..... Water Plantain
Ceratophyllum demersum (W)..... Rigid Hornwort
Chara spp (W) Stonewort
** *Hippuris vulgaris* (W) Mare's-tail
Lemna spp (W) Duckweed
Myriophyllum spicatum (W)..... Spiked Water-milfoil
Potamogeton spp (W) Pondweed
Ranunculus subg. *Batrachium* (W) Water Crowfoot
** *Zanichellia palustris* (W)..... Horned Pondweed

brackish indicators

** *Carex flacca* (W) Glaucous Sedge
Suaeda maritima (W) Annual Sea-blite
Schoenoplectus tabernaemontani (C) Grey Club-rush
Triglochin maritimum (W) Sea Arrowgrass
** *Zanichellia palustris* (W)..... Horned Pondweed

dry pasture/rough grassy places/fields

Bromus sp (C) Brome
***Cirsium arvense* (W) Creeping Thistle
** *Hypochaeris* spp (W) Cat's-ear
Medicago lupulina (W) Black Medick
** *Odontites/Euphrasia* (CW) Bartsia/Eyebright
Picris hieracioides (W) Hawkweed Oxtongue
Plantago lanceolata (C) Ribwort Plantain
** *Plantago major* (W) Greater Plantain
Poa/Phleum (C) Meadow-grass/Cat's-tail
** Poaceae (CW) Grasses
Prunella vulgaris (W) Selfheal
Rhinanthus minor (W) Yellow Rattle
** *Taraxacum* sect *Ruderalia* (W) Dandelion

meadows/damp pasture

** *Carex flacca* (W) Glaucous Sedge
** *Conium maculatum* (W)..... Hemlock
** *Hydrocotyle vulgaris* (W)..... Marsh Pennywort
** Poaceae (CW) Grass
Potentilla anserina (W) Silverweed
Ranunculus acris/repens/bulbosus (W) Meadow/Creeping/Bulbous Buttercup
Ranunculus sardous (W) Hairy Buttercup

waste/disturbed/arable ground

Atriplex spp (W) Orache
Cerastium sp (W) Chickweed
Chenopodium album (W) Fat-hen
Chenopodium rubrum/glaucum (W) Red/Oak-leaved Goosefoot
***Cirsium arvense* (W) Creeping Thistle
** *Conium maculatum* (W) Hemlock
Hyoscyamus niger (W) Henbane
** *Odontites/Euphrasia* (CW) Bartsia/Eyebright
** *Plantago major* (W) Greater Plantain
Polygonum aviculare (W) Knotgrass
Raphanus raphanistrum ssp *raphanistrum* (C) Wild Radish
** *Rubus* sect. *Glandulosus* (W) Bramble

Woodland/hedgerow/scrub

Carex sylvatica (CW) Wood-sedge
***Cirsium arvense* (W) Creeping Thistle
** *Hypochaeris* spp (W) Cat's-ear
** *Rubus* sect. *Glandulosus* (W) Bramble
Sambucus nigra (W) Elder

cultivated/of economic importance

Avena sp (C) Oat
Hordeum sp (C) Barley
Secale cereale (C) Rye
Triticum sp (C) Wheat

Rumex spp (W)	Dock
Sonchus asper (W)	Prickly Sow-thistle
Sonchus oleraceus (W)	Smooth Sow-thistle
Stellaria media (CW)	Common Chickweed
** *Taraxacum* sect *Ruderalia* (W)	Dandelion
Thlaspi arvense (W)	Field Penny-cress

key

**	occurring in 2 habitat groups
***	occurring in 3 habitat groups
C	charred
M	mineralised
W	waterlogged

Table 6.1: Merton College lands in the surveys of 1601, 1756 and 1840 (Tithe)

1601	***area 1601***	***1756***	***area 1756***	***Tithe Number***
1. One ground called Great Rushwoods, half pasture, half tillage, having a partition in the midst	8a 0r 0p	Rushey in Dolemore Lane	10a 0r 0p	TM 49 [abuts Dolemoor Lane]
2. One other ground called Little Rushwoods, pasture	4a 0r 0p	Five acres opposite	5a 0r 0p	TM 50 [on the opposite side of Dolemoor Lane to TM 49]
3. One piece of pasture ground abbutting upon Flemming Gout*, half acre	0a 2r 0p	Cod Acre	1a 0r 0p	TM 143* 'Smock Acre'
4.One halfe acre of pasture lying in a ground called Whatlys parrock	0a 2r 0p	Puxton Paddock	½ a	TM 202
5. Arable called Little Ashfield	2a 0r 0p	Ashfield	2 ½ a [with TM 200+202]	TM 205
6. Arable lying in Great Ashfield	1a 0r 0p	Ashfield	2 ½ a [with TM 205]	TM 200+202 'Ashield'
7. One acre and halfe of meadow in a close called Prince, being disjointed	1a 2r 0p	in common with lands of James Arundell	1 ½ a	TM 193 'Prints'
8. A little orchard	0a 2r 0p	orchard	1 ½ a	?
9. One 4th part of an acre of arable adjoining to the orchard	0a 1r 0p			TM 219
10. A little cut full of elms containing the 6th part of an acre	0a 0r 27 p	Withy Bed	¼ a	?
11. One half acre meadow lying in a ground called Leydens Hurst	0a 2r 0p	The Yeo	½ a	TM 204 'Yeo Ground'
meadow	2a 0r 0p			
pasture	9a 0r 0p			
arable	7a 1r 0p			
orchard	0a 2r 0p			
a [?]platt of elms	0a 0r 27 p			
in all	18a 3r 27p		22a 3r 0p	
common for two great cattle or thereabouts in a great moor called Puckstons Moor: for which common, work in two rivers, Bawles ewe [Balls Yeo] and Hole ewe [Oldbridge River], one and twenty feet a piece, is to be performed, and fifty feet thereabout, about the said moor				TM 88a in the enclosed Puxton Moor

* this parcel can be identified as No. 143 (Smock Acre') in the Tithe Survey, which lay next to No. 142 (Flemans: Fig 6.6, bottom right).

Table 6.2 The 'infield' enclosures in the main study area (in decreasing order of certainty): see Fig 6.7 for location

site	***circuit***	***settlement in 19th century***	***chapel***
Puxton	complete (Figs 1.8, 2.5 and 9.2)	hamlet to north	yes
St Georges	complete (Fig 6.8)	hamlet to north	yes
Ashfield	nearly complete (Fig 6.6)	hamlet to south	no
Bourton	nearly complete (Fig 6.11)	Hippisleys and Hodders Farm on NW edge	no
Puttingworth	nearly complete (Fig 6.8)	Puttingworth Farm on western edge	no
Chestnut Farm	nearly complete (Fig 6.6)	single farm at centre	no
'Smeaths'	complete (Fig 6.6)	The Oaks on northern edge	no
East Hewish	conjectural: around three quarters of circuit can be reconstructed from earthworks and extant field boundaries	hamlet to east	no
Woodbine Cottage	conjectural: around three quarters of circuit can be reconstructed from earthworks and extant field boundaries	single farm to south; part of detached part of Kewstoke parish	no
Wick village	a number of curvilinear boundaries around the hamlet at Wick are suggestive of an 'infield' enclosure obscured by later settlement (Fig 1.3)	occupied by village	yes
West Hewish Green	sub-rectangular arrangement of field boundaries, seemingly cut by Greenstreet Common (Fig 6.11)	no	no

Table 6.3 Medieval pottery collected from farmsteads and houses shown on the Tithe Maps by the North Somerset Levels Project (in plain text) and Linda Jenkins (in italics)

settlement	*tenement*	*Tithe No.*	*pottery*
Wick St Lawrence	Appleton Farm	Wi 162	two sherds of 12th–13th century coarseware (fabrics Px04 and U4), *and one sherd of 12th–13th century Ham Green Ware*
	Banksea Farm and Cottages	Wi 228-30	*two sherds of 13th–14th century pottery*
	Gervinia Cottage	Wi 235	*one sherd of 11th–12th century pottery, one sherd of 12th–13th century Ham Green Ware and three sherds of 13th–14th century pottery*
	Castle Cottages	Wi 171	*three sherds of 12th–13th century pottery, and two sherds from the 15th–16th centuries*
	Old School House	Wi 233a	*two sherds of 12th–13th century Ham Green Ware and five sherds of 13th–14th century pottery*
	Jenkins Orchard	Wi 238-9	*one sherd of 11th–12th century pottery and five sherds from the 13th–14th centuries*
	The Cedars	Wi 155	*two sherds of 12th–13th century Ham Green Ware and 21 sherds of 13th–14th century pottery*
	Mulberry Farm	Wi 156	*two sherds of 12th–13th century pottery and eight sherds from the 13th–14th centuries*
	Lower Wick Farm	Wi 62	*no medieval pottery*
	Chapel House	Wi 219	*no medieval pottery*
	Quinces	Wi 84	*no medieval pottery*
Ebdon	Barnfield Farm	Wi 203	*no medieval pottery*
	Barnfield Cottage	Wi 197	*no medieval pottery*
Icleton	Icelton	Wi 98	*one sherd of of 13th–14th century pottery*
	Baytree Farm	Wi 141	*two sherds of 12th–13th century Ham Green Ware and two sherds of 13th–14th century pottery*
	Rose Court Farm	Wi 125	*one sherd of 12th–13th century Ham Green Ware and three sherds of 13th–14th century pottery*
south east Wick	Hippisleys Farm	Wi 279	*four sherds of 13th–14th century pottery*
	Hodders Farm	Wi 294	*one sherd of 15th–16th century pottery*
		Wi 298	*two sherds of 13th–14th century pottery were also recovered from the plot opposite Hodders Farm, now occupied by Mendip View Cottage*
	Sluice Farm	Wi 308	one sherd possibly of fabric AA2 (?late 10th–11th centuries), one sherd of 12th–13th century Ham Green, and five sherds of 16th century pottery (Malvern Ware, Frenchen Stoneware and South Somerset Ware). *One sherd of 11th-12th century, two sherds of 12th-13th century Ham Green, and four sherds of 13th–14th century*
	Old House	Wi 289	*no medieval pottery*
Bourton	Bourton Cottage	Wi 406	*no medieval pottery*

Green			
	Bourton Mill	Wi 338	*no medieval pottery*
	Jasmine Cottage	Wi 341	*no medieval pottery*
Bourton	Court Farm		one sherd of ?12th–13th century coarseware
	Manor Farm	Wi 396	one sherd of a mid 12th century Ham Green jug; *and two other sherds of 12th to 14th century pottery*
	Willow Farm	Wi 438	*one sherd of 11th–12th century pottery and one sherd of the 13th–14th centuries*
	Lilac Cottage	Wi 452	*two sherds of 12–13th century Ham Green ware and ten sherds of 13th –14th century pottery*
	north of Lilac Cottage	Wi 453	ten sherds of medieval pottery from fieldwalking including 12th-13th century fabrics U4 and PX03
Hewish	Palmers Elm Farm	Co 34	possible sherd of 16th century South Somerset Ware
Congresbury Marsh	Chestnut Farm	Co 135	eight sherds of 12th–13th century pottery (fabrics PX03, PX04, U4, Ham Green), two sherds of 13th–14th century pottery (fabrics AAA and Minety Ware).
	Bindings	Co 107	over 50 sherds of medieval pottery collected from test pits and rhyne cleaning, including 12th–13th century Ham Green Wares
East Rolstone	Land House	Ba 719	two sherds of medieval coarseware. 59 sherds of medieval pottery, including green glazed ware, and a coin of Edward II (1307–27) previously recorded (SMR 217 and 2483)
	opposite Box Bush Farm	Ba 770	29 sherds of medieval pottery from fieldwalking
	Gout House Farm	Ba 828	two sherds of medieval courseware, including 12th–13th century fabric PX03; 37 sherds of 12th–13th century pottery previously recorded from the site (SMR 368)
Puxton	Old Chestnut Farm	Px 17	sixteen sherds of medieval pottery including 12th–13th century Ham Green Ware and fabrics PX03 and PX08.
	cottage west of Myrtle Farm	Px 17	three sherds of 13th–15th century pottery (fabric AAA)
	Puxton Court	Px 148	one sherd of 13th–15th century pottery (fabric AAA) and a fragment of possible 13th–14th century roof tile
St Georges	Grove Farm	Ba 28	medieval pottery from archaeological evaluation (CAT 2002a, c)
	Poplar Farm	Ba 36	13th century pottery from archaeological evaluation (CAT 2002b)
	St Georges Farm	Ba 79	two medieval pits with 11th – 13th century pottery from archaeological evaluation and excavation (Lankstead 2003)

Table 6.4 Densities of pottery from fieldwalking survey

district	***area (ha)***	***sherds of abric AA1***	***C12th – 14th sherds/ha***	***C15th–16th sherds/ha***	***C17th – 18th sherds/ha***	***C19th–20th sherds/ha***
Puxton Church Field	4.02	8	27.36	1.24	18.66	14.93
rest of Puxton	7.68	?2	6.31	1.14	14.28	5.47
East Rolstone	23.14	1 or ?2	2.75	0.19	2.73	2.56
West Rolstone	29.63	1 or ?3	1.48		3.24	4.29
Waywick	14.00	3	1.48	1.40	2.01	2.16
South Mead	12.88			0.05	0.61	1.41
Puddy Moor	10.21		0.15?		3.87	4.06
New Moor	6.50				0.43	0.43
Silver Moor	11.73		0.35		0.67	1.36
Rockers	9.71		0.19		0.43	1.46
Blackstones	3.03		0.99		0.66	0.99
Havadge	19.16				0.23	1.73
New Ditch	12.49		0.07		0.07	0.70
Banwell Moor	8.65		0.12		0.69	1.97

Table 6.5 Post medieval landuse from documentary sources

		acres	***pasture***	***meadow***	***arable***
1567	Congresbury Marsh	437*	57%	23%	16-19%
1601	Merton College lands, Puxton	18.5	49%	10%	41%
c 1770	Puxton	142	28%	48%	24%
c 1770	East Rolstone	167	28%	68%	4%
c 1770	West Rolstone	220.5	50%	45%	5%
1840	Puxton	603			8%

* the full acreage was 543.75 but 107.25 acres was described as ‘land, meadow and pasture’

Table 6.6 Historic landscape character areas

character area	*the natural environment*	*tenurial structures*	*unenclosed land*	*artificial drainage and flood defence*	*settlements*	*field systems*	*roads*
DRYLAND							
Banwell village	on northern flanks of Banwell Hill, extending down to fen-edge, including Hack Mead and Marrow Mead	(not mapped)	none	only extends very slightly onto the wetland	substantial nucleated village of Banwell and small hamlet at Knightcott	coaxial field systems, suggestive of former open field, with large numbers of long narrow fields and a small number of unenclosed strips shown on the Tithe map	long, slightly sinuous, roads without roadside waste
Woolvers hill	low gently undulating dryland area and adjacent wetland fringes on almost four sides.	small, mostly compact holdings with some detached parcels	none	only extends very slightly onto the wetland	dispersed	intermediate, with little evidence for an underlying structure; currently large closes, possibly laid out between coaxial boundaries, but no evidence for former strip fields	long, slightly sinuous, roads without roadside waste
Towerhead	On northern flanks of Banwell Hill, extending down to fen-edge, including Ox Lease and Great Mead	land split between two substantial landholdings, whose holdings are in pkaces interspersed	none	only extends very slightly onto the wetland	two adjacent farmsteads at Towerhead	series of large closes laid out between the edge of Banwell Wood, the through road, and the fen-edge	long, slightly sinuous, roads without roadside waste
Sandford	on northern flanks of Banwell Hill, extending across low foothills down to fen-edge, including a substantial area of backfen to north (including Sidcot Mead), and east (Sandmead)	extremely fragmented	none	bounded by Nye Drove/Liddy Yeo to north	with the exception of one isolated farm (Droveway Farm), all settlement located in a single loosley nucleated settlement	coaxial field system laid out between a series of long boundaries, that encomapses both dryland and wetland; large numbers of long narropw fields and unenclosed strips with furlongs depicted on map of 1792	one droveway extends from village towatds Nye
Brinsea and northern Churchill	low foothills in Wring Valley extending down to fen-edge including Coney Mead	fairly compact tenements though some with detached parcels	extends down to Brinsea Moor	not applicable	loosley nucleated settlements in both Brinsey and Churchill	large, mostly irregular fields, with occasional blocks with a coaxial layout, but showing no overall coherence of evidence for unenclosed strips on the map of 1739	long, slightly sinuous, roads without roadside waste
Congresbury	low foothills in Wring Valley	fairly compact tenements	Extends down to Brinsea	not applicable	large compact nucleated village	small, mostly irregular fields, paddocks and	long, slightly sinuous, roads

village	including God Croft	though some with detached parcels to south of village, though highly fragment landholdingp to the west (the Oar)	Moor			orchards, with occasional blocks with a coaxial layout, but showing no overall coherence; occasional unenclosed strips on the map of 1739 but restricted to meadow	without roadside waste
Land	on the flanks and foothills of Candbury Congresbury Hill		none	not applicable	beyond the extension of Congresbury village northy of the Yeo, settlement is dispersed	predominantly coaxial layout with long narrow fields laid out between broadly east-west boundaries; long narrow fields and unenclosed strips on map of 1739	sinuous droveways without areas of roadside waste
WETLAND							
Wick St Lawrence	highest areas of marsh beside the coast	mostly fragmented, especially in Wick Field to the north of the village	intertidal slatmarshes beyond sea wall	bounded by sea walls along open coast and besides Banwell River and Congresbury Yeo	large nucleated settlement possibly associated with an 'infield' enclosure	largely small, irregular field systems, with some coaxial blocks suggesting a greater degree of planning of some areas; some unenclosed strips on map of 1736	sinuous droveways formerly with limited areas of roadside waste
Icelton and Bourton	highest areas of marsh beside the Congresbury Yeo	some compact blocks of fields associated with the farmsteads, though other areas have predominantly fragmented pattern with much accommodation land	Bourton Green	bounded by sea walls along the Congresbury Yeo, and possible sea wall along New Ear Rhyne to the south	small to medium sized compact hamlets (one possibly associated with an 'infield' enclosure)	several sets of coaxial block fields, all broadly trending NE – SW but showing little sign of an underlying cohesion	sinuous droveways formerly with areas of roadside waste
Bourton Hams, Raven Ground	beside Banwell River, Bourton Rhyne and New Ear Rhyne.	mostly compact blocks of closes	none	either side of the Bourton Town Rhyne	none	area of larger irregular fields between Wick St Lawrence/Bourton and St Georges, Rolstone, and Puxton	sinuous droveways without areas of roadside waste
East Hewish	area of high marsh beside the Congresbury Yeo	compact blocks of closes	none	bounded by sea wall alongside the Congresbury Yeo and the New Rhyne to the south	compact hamlet possibly associated with 'infield' enclosure	area of small, irregular closes	sinuous droveways without areas of roadside waste
West Hewish		compact blocks of closes	West Hewish Green	between the natural creek of New Year Rhyne to the north and New Rhyne to the south.	single compact, possibly planned, hamlet	several sets of coaxial block fields, all broadly trending NE – SW	sinuous droveway that broadens to form a wide funnel shaped common
St Georges,	intermediate area between	fragmented	small greens and areas of	series of possible fen-banks to	compact hamlets associated with	dominated by small, irregular field systems, and	sinuous droveways

and Puxton	the higher coastal marshes and low-lying backfens		roadside common	south	‘infield’ enclosures	some small coaxial blocks suggestive of former open fields	formerly with areas of roadside waste
Congresbury Marsh	area of high marsh beside the Congresbury Yeo	compact blocks of closes	none		isolated farmsteads	area of small, irregular closes	sinuous droveways with large areas of roadside waste
West Wick, Waywick and Rolstone	intermediate area between the higher coastal marshes and low-lying backfens	fragmented	Coles Green	series of possible fen-banks to south	small, loosely nucleated hamlets	area of small, irregular closes	sinuous droveways with small areas of roadside waste
Banwell backfen	lowest-lying backfen immediately north of the fen-edge		Banwell Moor enclosed 1797	bounded by several possible fen-banks to north	occasional dispersed farmstead	intermediate, with substantial areas divided into long narrow fields	long and straight without roadside waste
Nye, Rookery Farm and Bower House	on northern edge of backfen in Banwell and Sandford	large compact landholdings associated with the farmsteads; remaining area mostly accommodation land	field-names (eg Havadge) suggest large areas were once unebclosed pasture	to south of Rolstone’s fen-banks	three isolated farmsteads, two (Nye and Rockery) on small bedrock islands	predominatly very large, polygonal closes, with clusters of smaller fields adjacent to the farmsteads	long and straight without roadside waste
Crookwell, Carditch and Churchill Moor	low-lying backfens in south west Congresbury (west of Brinsea) and Churchill	highly fragmented pattern of landholding with a relatively large amount of accommodation land	Crookwell Common Mead	found either side of the Meer Wall where it marks the Congresbury/Churchill parish boundary	none	short coaxial systems mostly divided into open or enclosed strips on the 1739 map	long, slightly sinuous, roads without roadside waste
Dolemoors	low-lying backfens in Congresbury (west oof village) and Puxton	highly fragmented pattern of landholding with a relatively large amount of accommodation land	East and West Dolemoor common meadows, and Puxton Moor enclosed in 1816	coaxial boundaries cut by the Meer Wall; several of the coaxial boundaries have ‘wall’ names	none	long coaxial system, mostly divided into open or enclosed strips on the 1739 map, with larger closes in far west (east of West Dolmoor in Puxton)	long, slightly sinuous, roads without roadside waste
The Hearth	area of Congresbury’s backfen immediately south of the Congrebury Yeo	Highly fragmented pattern of landownership with a relatively large amount of accommodation land	very broad areas of roadside waste beside droveway	east of Pillhay (the original outfall of the Oldbridge River	none	predominantly irregular field system that in the east includes small blocks of open and enclosed strip fields	sinuous droveways formerly with areas of roadside waste

Great Moor	low-lying backfen north of the Congresbury Yeo	[not studied]	Great Moor itself enclosed in 1816	southern boundary marked by the northern sea wall along the Congresbury Yeo	none	Great Moor itself was subject to Parliamentary Enclosure and has a regular-block layout of fields; areas to the east and west were enclosed earlier and have large irregular closes	long and straight without roadside waste

Table 7.1 Possible components of an early estate based at Portbury

parishes	***ecclesiastical relationship***	***detached parcels***	***1086***	***1066***	***charters***	***place-names***
Portbury		Clapton Wick, Ham Green, Happerton, and Failand Farm	5, 33: Bishop of Coutances	Godwin, 8 hides	S.1707 (899x925): land granted by K. Edward S.1781 (979x1016): land granted by K. Aethelred	shares 'port' prefix with Portishead
Portishead			5,25: Bishop of Coutances	Aelfric the Young, 8 hides		shares 'port' prefix with Portbury
Clapton-in-Gordano		Clapton Wick part of Portbury	5, 27: Bishop of Coutances	Algar, 5.5 hides		shares '-ton' suffic with other Gordano parishes
Easton-in-Gordano			5,24: Bishop of Coutances	Alric, 12 hides		'East-ton' of Portbury?
Walton-in-Gordano			29,1: Ralph of Mortimer	Gunni the Dame, 3.5 hides		shares '-ton' suffic with other Gordano parishes
Weston-in-Gordano			5, 22: Bishop of Coutances 5, 26: Bishop of Coutances	Brictnoth 7 hides Algar, 3 hides 1 virgate		'West-ton' of Portbury?
Abbots Leigh		Ham Green part of Portbury	16,9: Thurston	father of Thurston, 1 hide		
Wraxall	mother church of Nailsea	Happerton, and Failand Farm part of Portbury	5,40: Bishop of Coutances	Aelfric, 20 hides		
Nailsea	chapel of Wraxall		[un-named 4.5 hides in Wraxall?]	[absent: included under Wraxall?]		
Flax Bourton	chapel of Wraxall		[absent: included under Wraxall?]	[absent: included under Wraxall?]		
Backwell			5, 30: Bishop of Coutances	Thorkell, 10 h		
Tickenham			26,8: William of Eu 41,2: Arnulf of Hesdinc	Saewulf + Theodulf as two manors, 8.5 hides Edric, 1 hides 3 virgates		
Clevedon			44,1: Matthew of Mortagne	Hildebert, 5.5 hides		

Table 7.2 Possible components of an early estate based at Chew Magna

parishes	*ecclesiastical relationship*	*parish boundaries*	*1086*	*1066*	*charters*	*place-names*
Chew Magna		detached parcel Folly Farm east of Stowey	6,13: Bishop of Wells	Bishop of Wells, 30 h	S.1042 (1065): spurious confirmation held by Bishop of Wells	The 'South-ton' of Chew Magna could be Sutton in Stowey
Chew Stoke	tithes paid to Chew Magna	boundary with Chew magna cuts through furlong boundaries	37,3: Serlo de Burcy 37,4 (Chillyhill): Serlo de Burcy 37,4: Serlo de Burcy 47,16: Aldwin	Everwacer, 0.5 h Everwacer, 3 v Aelfric, 0.5 h Aldwin, 1h 3v		
Dundry	chapel of Chew Magna	interweaved with Chew Magna and Norton Hawfield	[absent: included under Chew Magna?]	[absent: included under Chew Magna?]	S.1042 (1065): spurious confirmation held by Bishop of Wells	
Norton Hawfield	tithes paid to Chew Magna	interweaved with Dundry	[absent: included under Chew Magna?]	[absent: included under Chew Magna?]		'North-ton' of Chew Magna?
Norton Malreward		interweaved with Publow	5,16: Bishop of Coutances	Alfwold, 5 h		'North-ton' of Chew Magna?
Stowey	tithes paid to Chew Magna	interweaved with Chew Magna	[absent: though Aelfric of Stowey held 7 virgates of Chew Magna]	[absent: included under Chew Magna?]		
Moreton		interwoven with Chew Stoke	37,11: Serlo of Burcy	three thanes as three manors, 5h		'Marsh-ton' of Chew Magna?
Stanton Drew			1,28 (as part of the King's manor of Keynsham)	the King, 10 hides		
Penford	chapelry of Stanton Drew		[absent: included under Stanton Drew?]			
Publow	chapelry of Stanton Drew	interweaved with Stanton Drew and Norton Malreward	[absent: included under Stanton Drew?]			
Winford		Detached parcel in Nempnett Thrubwell, and to north of Dundry	5,41: Bishop of Coutances	Alfwold, 10 h Aelfric, 1h [Regilbury?]		
Regilbury		detached parcels in Winford and	[see Winford 1066]	[see Winford]		

		Butcombe				
Nempnett Thrubwell		Includes detached parcel of Winford				
Butcombe		includes detached parecls of Regilbury	5,41: Bishop of Coutances	Alfward, 3 h		
Barrow Gurney		boundary with Winford zig zags through the historic landscape	5,32: Bishop of Coutances	Edric, 10 hides		

Table 7.3 Possible components of an early estate based at Congresbury

parishes/vills	***ecclesiastical relationship***	***parish boundaries***	***1086***	***1066***	***charters***	***place-names***
Congresbury		intermixed with Puxton and Wick St Lawrence	1,21: the King	Earl Harold, 20 h	Finberg 1964, No. 372 (688/726); *Life of Alfred* ..., f.81, 22; S.1042 (1068)	
Puxton		intermixed with Puxton and Wick St Lawrence	[absent: part of Congresbury?]	[absent: part of Congresbury?]		
Wick St Lawrence	chapelry of Banwell	intermixed with Puxton and Wick St Lawrence	[absent: part of Congresbury?]	[absent: part of Congresbury?]		
Wemberham (Hewish)	part of Yatton		6,14 Bishop of Wells	Kings manor of Congresbury, 1 hide		
Yatton			6,14 Bishop of Wells	Bishop of Wells, 20 h		
Kenn	chapelry of Yatton	carved out of Yatton	5,29 Bishop of Coutances	No reference to TRE		
Kingston Seymour			5,63 Bishop of Coutances	Aldred, 1 h		King’s-tun
Kingston Seymour			5,64 Bishop of Coutances	Four thanes, 4.5 h		King’s-tun
Brockley			45, 16 Aldred	Aldred, 4 h		
Midgell	detached part of Chelvey	carved out of Brockley	5,68 Bishop of Coutances	Aelmer, 1 hide		
Chelvey			44,2 Matthew of Mortagne	Thorkell the Dane, 1 h		

Table 7.4 Possible components of an early estate based at Worlebury

parishes/vills	*ecclesiastical relationship*	*parish boundaries*	*1086*	*1066*	*charters*	*place-names*
Worle		interwoven with Kewstoke	24,1: Walter of Douai	Asgar, 6.5h		
Kewstoke		interwoven with Worle and Weston-super-Mare	42,1, Gilbert son of Thorold	Edric, 1.5 h		Middle-ton and North-ton (see below)
Milton (in Kewstoke)		-	24,2: Walter of Douai 46, 19: Ansketel Parker	Alwaker, 1.5 h Osward, 1 h		
Woodspring (in Kewstoke)		-	27,3:William of Falaise	Everwacer, 6h 1v		
Ashcombe (in Weston-super-Mare)		interwoven with Kewstoke	5, 13:Bishop of Coutances	Brictric 3.5 h		West-ton

Table 7.5 The evolution of the place-names Puxton and Rolstone

date	Puxton	Rolstone	source	
1174/91	Wringmareis (chapel of) [Puxton?]		*Bruton* No. 134	
late C12th		Rolveston	*Bruton* No. 133[2]	
1212	Pukereleston		*Fees*, 82.	
?1215	Pokereleston (chapel of)		*Bruton* No.135	
1308/9		Rolustone (land in)	*Fines* II, 11	
1312/13	Pokerelston (land in)		*Fines* II, 31	
1317/18		Rolveston (lands in)	*Fines* II, 75	*Fines* II, 75
1326/27		Rolueston	*Fines* II, 11	*Fines* II, 11
1330/1		Rolveston (lands in)	*Fines* II, 154–5	*Fines* II, 154–5
1333	Pokerston (chapel)		*Shrewsbury*, No. 599	
1341/2		Rolveston (manor)	*Fines* II, 215	*Fines* II, 215
1345/6		Rolveston (manor)	*Fines* II, 229–30, 235–7	*Fines* II, 229–30, 235–7
1371	Pokerelston		*CIM*(C) vol. III, No. 822	*CIM*(C) vol. III, No. 822
1379		Rolveston (land in)	*CIPM* XIV, No. 115	*CIPM* XIV, No. 115
1380/1		Rolleston (lands in)	*Fines* III, 107	*Fines* III, 107
1383/84	Pokereleston (manor)		*Fines* III, 124	
1385	Pokerleston (manor of)		Batten 1901, 69	
1410	Pokerolleston	Rolleston (land in)	*CPR* 11 Hen.IV, 191	*CPR* 11 Hen.IV, 191
1412	Pokeston		*Feudal Aids* VI, 509	*Feudal Aids* VI, 509
1423/4		Rolleston	*Fines* IV, 61	*Fines* IV, 61
1441/2	Pokerelleston (manor)		*Fines* IV, 196	
1449/50	Poxton (chaplain of)		*Bekynton*, No. 487	
1463	Puckeston (chaplain of)		*Bekynton*, No. 1522	
1468	Paxston (chaplain of)		*Stillington*, No. 118	
1468	Puckerelliston	(land in)	MC 1234	MC 1234
1487	Pukeston		*CIPM* Hen.VII, vol.1, No. 87	*CIPM* Hen.VII, vol.1, No. 87

1497	Pokerilston/Pokerelston	Rollyston/Rollesto n	*CIPM* Hen VII Vol I, No. 1150	
1499	Pukrelston (manor of)		*CIPM* Hen.VII, vol.II, No.189	
1502		Pokeston & Rouleston	*CIPM* Hen.VII vol. III, No.1105	
1534	Puxston		Weaver 1905, 28	Weaver 1905, 28
1539	Puxton		*Knyght*, No. 584	*Knyght*, No. 584
1544	Poxston		*Wells Wills*, p80	*Wells Wills*, p80
1624	Puxton		*Quarter Sessions*	

Table 7.6 Summary of the history of the estates and manors

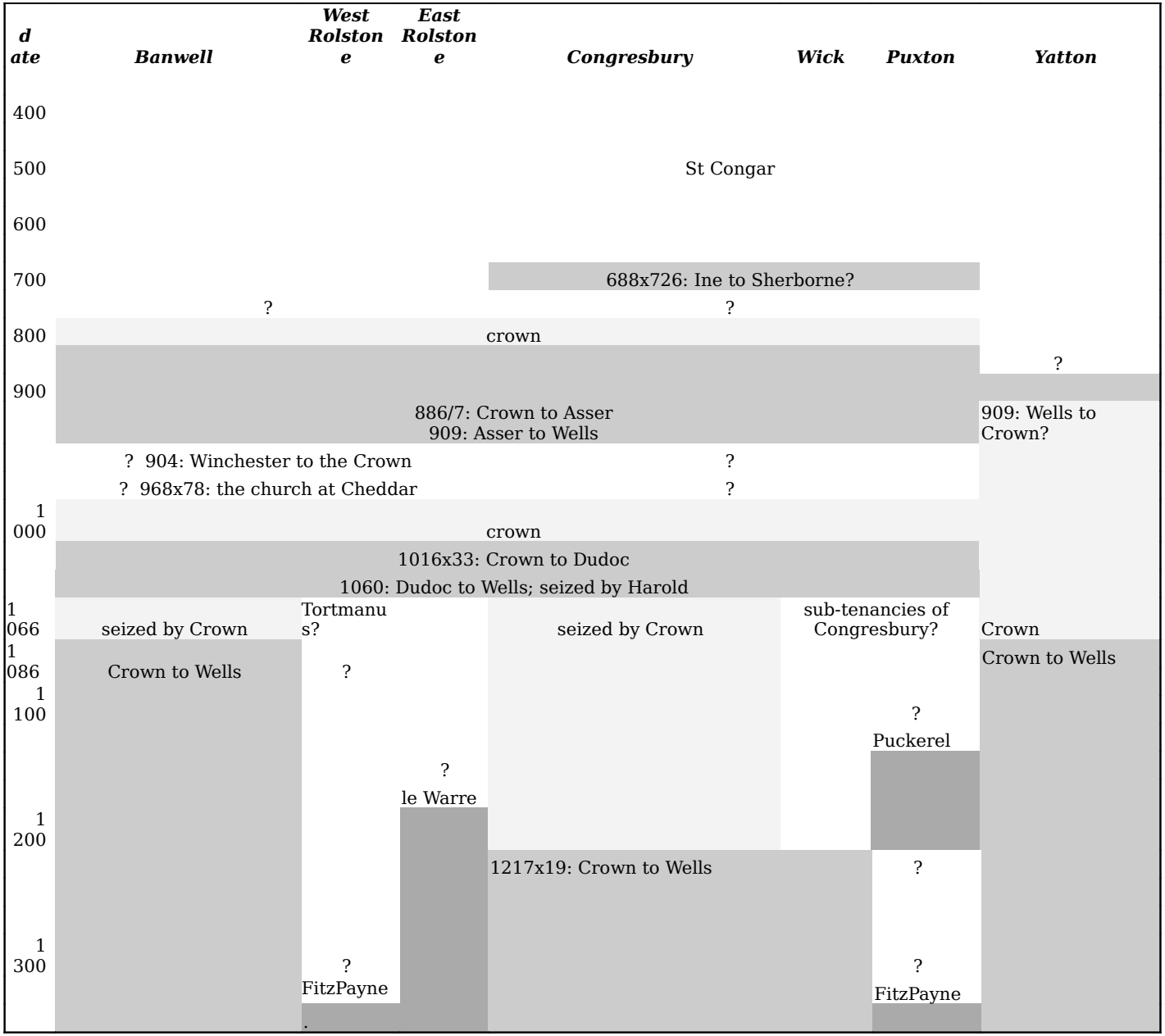

Table 8.1 The tenements in Congresbury Marsh and Wick St Lawrence in the survey of 1567, placed in order of their acreages

tenant	*customary measure*	*acres*		*1593–6, sold to*	*modern name*
					CONGRESBURY MARSH
BROWNE, John Browne	fardell	18a	mess. etc	William Younge	Tile House
ORTON, Joan Orton	fardell	20a	mess. etc	Thomas Farr of Wick St Lawrence	'Home Ground'
TAYLOR, John Taylor	half yardland	32a	mess. etc	Mr Kedwyn of Bristol	unlocated
Isabell Cade and son [?]	third yardland	34a	mess. etc		unlocated
PAYNE, John Payne	half yardland	39a	mess. etc	Thomas Farr of Wick St Lawrence	'Bindings'
KNIGHT, John Knight	half yardland	40a	mess. etc	Frances Knight of Bristol	?Burnt House
HARDWILL, Edmond	half yardland	41a	mess. etc	[retained]	Pool Farm
IRYSH, John	half yardland	42a	mess. etc	John Irish of Congresbury	Grange Farm
BUMER, Ralph Bumer	half yardland	43a	mess. etc	Edward Muttlebury of Congresbury	Grange Farm
WILLOT, Cuthbert Willot	half yardland	48a	mess. etc	[retained]	Palmers Elm Farm
WILLETT, Robart Willett	half yardland	51a	mess. etc	Francis Knight of Bristol	Willow Farm
KEENE, Thomas Keene	half yardland	71a	mess. etc	Mr Cole in 1600	The Oaks
CADE, Isabel & daughters	yardland	90a	mess. etc	John Irish of Congresbury	Chestnut Farm
					WICK ST LAWRENCE
BODYE, Johann	toft	1	cottage		?
GEFFRYS, Edith	cottage	3	cottage		?
DAWKES, Christopher	toft	3	toft		?
TUCKER, Thomas	eighth acre	3	cottage		?
CUSSH, Richard	toft and cottage	4	toft & cottage		?
TYRELL, Julyan	eighth acre	4	toft		?
KYNGE, John	fardel	14+	closes		pt of Castle Cottages
NYE, Thomas	fardel	15	mess. etc		?
BODYE, Johann	fardell	16	mess. etc		?Hippisleys Farm
FARRE, Ansell	fardell and toft	17	mess. etc		?
ANDREWES, Thomas	fardle	19	mess. etc	[retained]	East Town Farm
TUCKY, John	fardle	19	mess. etc		?
FARRE, Thomas	fardle and toft	19	mess. etc		Hodders or Manor Farm
WILLYE, William	fardle + half a pill	20	mess. etc		Wick House
KYNGE, John	fardel	21	mess. etc		Castle Cottages
SARE, William	fardel	23	mess. etc		?TM 428
SMYTH, Henry	half yardland	30	mess. etc		?
BODY, James	half yardland	30	mess. etc	[retained]	Rose Court
BADMAN, Margaret	half yardland	32	mess. etc	John Irish	Baytree Farm

TUCKER, John	half yardland	33	mess. etc	[retained]	Ebdon Court
KYNGE, John	half yardland	33	mess. etc	[retained]	Little Orchard
BANWELL, George	half yardland	34	mess. etc		?
TUCKER, Thomas	half yardland	34	mess. etc	[retained]	Old House
ANDREWES, Richard	half yardland + toft	40	mess. etc	[retained]	Appleton Farm
HARDWELL, Thomas	half yardland	45	mess. etc		Westhouse
QUARR, John	yardland	72	mess. etc	Francis Knight	?Sluice Farm
WILLIAMS, Richard	yardland	85	mess. etc	[retained]	The Cedars
CRASE, Richard	yardland	88	mess. etc	[retained]	Icelton Farm

Table 8.2 The tenements in Puxton in the 16th century court rolls, pre 1642 rental and *c* 1770 survey, placed in order of their acreages

Modern name *	***........................1770 survey.......................................***						***<1642 Rental***				***15th – 16th century court rolls***
		occupier	house (H) and cust. acres		statut. acres		tenant	cust. acres	annual rent		
CUSTOMARY TENEMENTS											
Appletree Cottage	X	HAYNE, Mary	H	2a	1a 3r 0p		Thomas Hamon for Northhouse	2	0 2s 0		
(Sharps, TM 93)	pt S	pt of Hammond's holding of 20a		[5a]			Thos Moors for Sharps	5	0 5s 0		1491 Thos Urche 4 acres ‘Sharps’.
(Cheekes, TM 12)	H	MAY, Mark (late Cheekes)	H	5a	4a 2r 35p		Pither, Richard	5.5	0 4s 10d		
(Northwall, CongTM 793-4)	f	HARRIS, Thomas (Northwall)		8a	7a 3r 32p		William Norvall part of Northhouse	8	0 8s 0		
(Dovers, TM 158-9)	A	GAGE, Wm (Dovers) lt Mary Helliers		15a	15a 3r 36p		John Irish jun. for Dobers	8	0 8s 0		1548: John and Agnes Irish hold two closes called Dovers, 8 acres, 8s 1d
							COOKE, Judith e	8	0 8s 0		
Old Chestnut Farm	M	HURDITCH, John (Mays)	H	11a	10a 0s 29p		KNIGHT, Marg. (2 tenements)	10	0 11s 0		1547: Lewis Marks surrendered to Rich. Spryng alias Whatley tenement and 10 acres for 10s
(Butts, TM 38)	W	CREASE, Thomas (Taylors)		11a	10a 1r 8p		BURGS, John	11	0 10s 6.5d		[part of:] 1567: lease to John Comer of 2 tenements (1 ruinous), 22.5 acres, 21s 6d (in 1547 the Court Roll records that Wm Chalcrofte and Wm Clercke were to dig their ditch in Collishey [Coles Hay, TM 31] and Burts [Butts, TM 38]on pain of 3s 4d.
							PITHER, Richard	11	0 10s 6d		
							IRISH, wid	13	0 14s 0		1557: lease to Richard Coke of a tenement and 13 acres
(Coxes, TM 113)	pt S	pt of Hammond's holding of 20a		[15a]			COOKE, Joseph e	15	0 14s 8d		
(Weeks)	E	JONES, Thomas (Week's)	H	16a	15a 1r 35p		HASKINS, Elizabeth	15	0 15s 1d		1569: Joan Down inherits a tenement and 15 acres from parents Wm and Joan
Myrtle Farm	L	ATHAY, lt Samuels Extors (Taylors)	H	28a	23a 0r 15p		INMAN, Thomas	16	0 14s 9d		1566: Wm and Isabel Hayne holds tenement (once Seyleys), 15 acres, 14s 9d
Mayfield	C	CREASE, Thomas (Dowlings)	H	18a	16a 0r 32p		Longes (2 tenements)	17.5	0 11s 1.5d		1570: John Lange holds 2 tenements (1 roofless), 17.5 acres, 11s 0.5d
(part of Shalvers)	N	BAILEY, John (Shalvers)		19a	16a 1r 4p		SHALMER, William	19	0 18s 2.5d		
(part of Shalvers)	N	BAILEY, John (Shalvers)		19a	16a 1r 4p		SHALMER, William	19	0 18s 2.5d		
(part of Shalvers)	N	BAILEY, John (Shalvers)		19a	16a 1r 4p		SHALMER, William	19	0 18s 2.5d		

Heathgate Farm	c	COUNCELL, William			27a 2r 14p	INMAN, John (2 tenements)	24	£1 3s 2d	
The Bungalow	K	SYMON, William	H	24a	20a 3r 13p	AVERY, Thomas	25	£1 5s 4d	
Goose Acre Farm	R	MILLARD, widow (Nichols)	H	24a	23a 2s 15d	HOSKINS, Henry s	25	£1 4s 0	
(Days)	G	BAILEY, John (late Ruth Days)		26a	23a 3r 25 p	HARRIS, Thos (2 roofless tenements)	26.5	£1 4s 4d	1567: Emota and Alice Webbe hold 2 tenements (1 ruinous), 26.5 acres, £1 4s 6d
						COOKE, John	27	£1 7s 0d	
Blackhouse	B	HARDWICK, Sarah (Upholds)		28a	25a 2r 10p	IRISH, Mathew for Blackhouse	28	£1 6s 8d	
South Farm	U	BROOKMAN, widow (Warnell's)	H	29a	27a 0r op	IRISH, Agnes for Wornells	30.25	£1 8s 0	
Puxton Court	D	KNUTCHBALL, Norton (late Long's)	H	48.5 a	47a 1r 27p	WHIPPEY, George (Keen's 13 Eliz)	40.5	£2 3s 4d	1552: Philip Geve held two tenements (one roofless called Blackstones), 40.5 acres; passed to Richard Kene
Church View	J	HEWLETT, Samuel (Horts)	H	42a	36a 0 6	INMAN, Thomas (4 tenements)	51	£1 19s 1d	1570: John & Agnes Atwill, 3 tenements (2 ruinous), 40.5 acres, £1 19s 1d; 1571: Agnes Atwyll holds 4 tenements
Puxton Moor Farm	(outside manor: George Hardwick)					? pt INMAN, John (demeans)	? pt 59	not given	
(Sheephouse, TM 109)	T	Hardwick, George (Cooks)		21a	19a 0r 9p	? pt INMAN, John (demeans)	? pt 59	not given	
FREEHOLDS		**1755 rental**				**1642 rental**			**15th – 16th century court rolls**
tenement		occupier			rent	occupier		rent	
Balls Barn		PAULETT, the Earl			0 0 9d	PAULETT, Lord John		0 9s 0d	1496: PAYNE, Thomas, 1 acre free hold called Tredgoldshay; 1547: PAYNE, Thomas, a barn called Paynes Barn
Rushworthys		MERTON COLLEGE			0 0 6d	MERTON COLLEGE		0 6s 0d	1547: Merton College
Easthays		MAY, Mark			0 3s 6d	MASON, Thomas		£3 6s 0d	1547: BURGES, John and GEVE, Flora; 1567: 15.5 acres
Full Quart (TM 214-5)		COUNSELL, William (late Brooks)			0 3s 6d	KNIGHT, William		£3 6s 0d	1547: BUSTELL, John
Purbecks						HAWKINS		an *acus*	1547: PURBECKS, John
Villa Farms		HARDWICK, Samuel (late Knights)			0 5s 0d	COOKE, Joseph		£5 0s 0d	1552: COOKE, John; 1569: half virgate and 15a 1r

* modern name is given where tenement is occupied by a farmstead/cottage; where the tenement now comprises an area of fields the customary name is given in brackets with the Tithe Map number)

Table 8.3 The tenements in Rolstone in the 1651 rental (West Rolstone: WRO 2667/23/38) and *c* 1770 survey, placed in order of their acreages (excludes tenements located in Kewstoke, Woolvershill and Worle)

modern name	***.....c.1770.....***					***1651 rental of West Rolstone***		
		occupier	cust. acres	stat. acres			cust. acres	annual rent
WEST ROLSTONE								
Upper Gout House	P	Brookman, widow	4	1a 3r 18p		Branch, John	4a	0 3s 4d
north of Box Bush Fm	B	Miller, Jas lt Thos Urch (Crockers)	5	5a 1r 38p		Stock, Hen., Wm. And Ann	5a	0 6s 0d
Bosse Close and Blackstones	C	Athays, Sam. Extors lt Berekleys	8	7a 2r 12p		Raynes, Joanne and Thomas	7a	0 7s 0d
Stuntree Farm (pt): 'Yards'	v	Beard, Wm, pt of Jollieffs (Yards)	8	5a 3r 21p		Conway, Thomas	p t50 a	£2 13s 3d
Stuntree Farm (pt)	t	Gage, Wm pt of Jollieffs	9	7a 3r 38p		Conway, Thomas	p t50 a	£2 13s 3d
Little Knights	x	Urch, Jn (Moors)	10	10a 3r 29p		Inman, Prudence	9a	£1 0s 0d
Stuntree Farm (pt): Castle Moor	S	Jones, Thos pt of Jolliefs	14	12a 1r 5p		Conway, Thomas	p t50 a	£2 13s 3d
Stuntree Farm	R	Keene, Jn pt of Jolliefs	24	18a 2r 4p		Conway, Thomas	p t50 a	£2 13s 3d
Swaynes	O	lt Athays, Sam extrors (Swains als Sandford)	25.25	20a 3r 28p		Swaine, Robert	23a	0 13s 8d
Rockers	A	lt Hurditches extors	26	23a 3r 35p		Cox, John	26a	0 11s 0d
Wolvershill	N	Keene, wid. Lt Giles Hemen	34	25a 3r 27p		Bradford, Christian	34a	0 7s 10d
west of Box Bush Fm	I	lt Urch, Jn, Parkers	37	32a 2r 6p		Parker, Mary, Jn and Thos	34a	£1 12s 0d
Fryplace	C	lt Walker, George [at Woolvershill]	40.25	38a 0r 32p		Andrews, Alice for Fryplace	40a	0 19s 4d
Kencutt's and Old House	y	Jones, Thos, Court Grove late Moors	46.5	41a 2r 22p		Kencott, Robert	40a	£1 15s 2d
Rolstone Court	W	Counsells, Rich (Latches and Hatchhouse)	66	56a 3r 29p		[absent but Sayer, Thos in 1648]	63a	£3 9s 10d
EAST ROLSTONE								
Day Paddock	H	Cook, Jn lt Ambrose Wall	6	6a 1r 32p		Sayer, Edmund	6a	0 7s 0d
Bosse Close and Blackstones	C	Athays, Sam. Extors lt Berekleys	8	7a 2r 12p		Raynes, William	2a 3r	0 2s 4d
Swaynes tenement	J	Beard, Wm lt Jn Lane	13.25	12a 1r 19p		Wilmott, Edith	13a 1r	0 13s 8d
Upper Gout House	P	lt Mary now Dinah Payne,	16	15a 0r 4p		Stock, Thos and Mary	16a	0 16s 0d

		Gouthouse						
Balls Barn	O	Gage, Wm lt Hosiers	19.5	15a 2r 34p		Arundell, Hen. + Hosier, Eliz.	18a	£1 1s 6d
[down Havadge Drove]	q	Hunt, Joseph & Bishop, Jas (lt Wid. Urch)	23	22a 1r 16p		Lam, ... + Sprudd, Edmund	22a	£1 5s 4d
New Ditch	L 251	Beaks, Robert	30	30a 1r 19p		Tuckey, John	31a	£2 8s 8d
Land Farm	N	Jones, Thos (Court Place) lt Blackburrows	31.25	31a 2r 24p		Inman, Thos, Wm & Marg.	41a 3r	£1 16s 2d
Laurel Farm	M	Gilling, Samuel (Malpasses)	44	36a 0r 33p		Inman, Wm	42a	£ 1 15s 8d

Table 8.4 Comparative dimensions of dated houses within the study area

illustration number in Figure 8.3	building	dimensions			three-roomed cross passage houses			wall thicknesses in primary build
		length	width	area	higher end	lower end	lower end as % of total length	0.61m
late medieval–early 16th century three-room cross passage houses with open halls								
1	Brimblewort h Farm	19.7m	6.4m	126.1m ^{2}	10.1m	9.6m	49%	0.61m
3	Castle Cottages*	?22m	6.1m	?134m^2	?13 m	?7.5m	?34%	0.66m
4	Gout House Farm**	?15.7m	6.7m	?105.2 m^2	?11.2 m	4.5m	?29%	0.70m
5	Hodders Farm ***	18.4m	6.4m	117.8m ^{2}	10.0m	8.4m	46%	0.56m
* both gable ends rebuilt; ** inner room rebuilt; *** derived from single room structure								
late medieval–16th century two or three-room cross passage house with open hall								
2	?Glebe Cottage	incompl ete	5.9m	-	?9.6m			0.70m
late medieval–16th (or possibly 17th) century three-room cross passage houses								
6	Appleton Farm *	17.5m	5.6m	98.0m^2	10.4m	7.1m	41%	0.50m
7	Boxbush Farm	15.1m	5.7m	86.1m^2	9.2m	5.9m	37%	0.50m
10	?Chestnut Farm	19.8m	6.0m	78.0m^2				0.71m
11	?Doubleton	17.1m	5.4m	92.3m^2	9.2m	7.9m	46%	0.52m
14	?Hippisleys	incompl ete	6.1m	-				0.60m
8	Landhouse	18.5m	5.3m	98.1m^2	11.2m	7.3m	40%	0.55m
15	?Laurel Farm	16.5m	6.7m	110.1m ^{2}	?10.6 m	?5.9m	?36%	0.55m
9	Rolstone Court	17.0m	6.3m	107.1m ^{2}	9.8m	7.2m	42%	0.64m

13	?Sluice Farm	incomplete	6.5m	-	?11.2m			0.70m
12	?The Cedars	?21.6m	6.4m	138.2m^2	13.2m	8.4?	39%	0.51m
* derived from single room structure								
larger 17th century two-room central passage house (heating in both rooms)								
	Gervinia Cottage	13.8m	5.2m	71.8m^2				0.66m
16	Icelton Farm	12.4m	5.3m	65.72m^2				0.55m
17	Myrtle Farm	12.2m	5.6m	68.3m^2				0.62m
18	Pool Farm	12.2m	5.2m	63.4m^2				0.52m
	The Oaks	13.7m	5.2m	71.2m^2				0.57m
U-shaped house, 17th century								
20	Puxton Moor Farm	18.0m	6.5m					0.60m
19	The Grange	18.5m	6.2m					0.62m
smaller 17th century two-room central passage house (heating in both or just one room)								
21	Church House	10.5m	4.6m	48.3m				0.50m
22	Maysgreen Farm	10.8m	4.9m	52.9m				0.40m
23	Old Chestnut Farm	9.8m	5.4m	52.9m				0.51m
three-room 17th century axial passage houses								
25	Manor Farm	13.8m	4.9m	67.6m^2				0.56m
26	Willow Farm	12.1m	4.8m	58.1m^2				0.51m
27	Stuntree Farm	16.3m	5.4m	88.0m^2				0.60m
18th century two-room central passage house (heating in both rooms)								
28	The Poplars	13.4m	5.3m	71.0m^2				0.51m
19th century house								
	Palmers Elm Farm							
29	Puxton Court Farm	14.0m	11.5m	161m^2				0.48m
	The Elms							

17th- 18th century cottages								
30	Appletree Cottage (C17?)	8.5m	4.1m	34.9m^2				0.48m
24	Baytree Farm (C17-18)	8.4m	4.5m	37.8m^2				0.49m
other buildings recorded								
Banksea Cottages, Wick: Church House, converted into three Poor Houses by the 17th century, and now two cottages (SRO DD/V/AXR 28.1; Anon 1986, 183).								
Court Farm: 19th century house using some farbric of earlier structure								
The Old School House, Wick								

Table 8.5 Summary of the initial date of construction for surveyed houses in the North Somerset Levels study-area and other surveys in the region

	sample size	***C16 and earlier***	***C17***	***C18***	***source***
Somerset					
Alford and Lovington	24	6 (25%)	14 (58%)	4 (17%)	SSAVBRG 1986, 14
Barton, Winscombe	9	2 (22%)	2 (22%)	5 (56%)	Sue Shaw pers comm
Batcombe	29	9 (31%)	12 (41%)	8 (28%)	SSAVARG 1988, 18
Butleigh		19 (35%)	22 (41%)	13 (24%)	SVBRG 2001, 15-16
Chiselborough	36	11 (31%)	9 (25%)	16 (44%)	SSAVBRG 1983, 40
Compton Dundon	43	16 (37%)	15 (35%)	12 (28%)	SVBRG 2004, 20-21
Haselbury Plucknell	39	10 (26%)	18 (46%)	11 (28%)	SSAVBRG 1994, 33
Long Load	27	10 (37%)	10 (37%)	7 (26%)	SSAVBRG 1982, 24-9
Shapwick	26	7 (27%)	9 (35%)	10 (38%)	SVBRG 1996, 44
West and Middle Chinnock	23	9 (39%)	10 (44%)	4 (17%)	SSAVBRG 1984, 30-47
Somerset average		99 (32%)	121 (39%)	90 (29%)	
Somerset average of C16 and C17		45%	55 %		
Newton St Leo **		0	24 * (53%)	21 (47%)	
South Gloucestershire	67	87 (49%)	91 (51%)		Hall 1983, 11
North Somerset Levels	30	14 (47%)	15 (50%)	1 (3%)	

* of which 17 were constructed *c* 1690-1700

** Newton St Loe is excluded from the main Somerset average as it was clearly untypical in having a very high number of cottages, and an extensive programme of rebuilding from *c* 1690 through into the 18th century

Table 8.6 The landholdings associated with standing buildings that have been surveyed

MANOR and tenement	***house structure***					***comment***
PUXTON		1 840	1 770	1 642	mid C16	
Appletree Cottage	17th century single-room cottage	1	2	2		customary tenement
Church House	small 17th century symetrical two-room central passage house	1	6	6		customary tenement
Glebe Cottage	late medieval two or three room cross passage house	2 1	-	2 2		parsonage
Mays Green Farm	small 17th century symetrical two-room central passage house	7	8			customary tenement
Myrtle Farm	larger 17th century symetrical two-room central passage house	1 0	2 8	1 6	1 5	customary tenement
Old Chestnut Farm	small 17th century symetrical two-room central passage house	3 8	9	1 0	1 0	customary tenement
Puxton Court	19th century double pile house	5 6	4 8	40 ½	40 ½	customary tenement
Puxton Moor Farm	?17th century U-shaped farmhouse	2 2	1 2	59?		formerly part of the demesne?
ROLSTONE		1 840	1 770	1 651		
Boxbush Farm	late medieval–early 16th century three room cross-passage house with open hall	3 3				freehold tenement?
Gout House Farm	late medieval–early 16th century three room cross-passage house with open hall	2 4				freehold tenement?
Land House	late medieval–early 17th century three room cross passage house	4 0				freehold tenement?
Laurel Farm	?late medieval–early 17th century three room cross passage house	3 8	4 4	4 2		customary tenement
Rolstone Court	late medieval–early 17th century three room cross passage house	10 1	6 6	6 6		customary tenement comprising two

						earlier tenements
Stuntree Farm	17th century three room axial passage house	2 2	2 4	5 0		customary tenement that was broken up in the 18th century
The Poplars	18th century symmetrical two-room central passage house	1 0				freehold tenement?
BANWELL		1 8 4 0		1 6 6 1		
Brimbleworth Farm	15th century three room cross passage house with open hall	4 2		4 0		within manor of Banwell
Doubleton Farm	?late medieval–early 17th century three room cross passage house	8 2				within manor of Banwell
CONGRESBURY MARSH		1 8 4 0	1770	1 7 3 9	1 5 6 7	
Chestnut Farm	late medieval–early 17th century three room cross passage house	14 0	*	*	9 0	customary tenement (yardland)
Palmers Elm Farm		38	4 8	4 8	4 8	customary tenement (half yardland)
Pool Farm	17th century symetrical two-room central passage house	39	4 3	4 3	4 1	customary tenement (half yardland)
The Grange	17th century U-shaped farmhouse	10 9	*	9 0	4 2	customary tenement (half yardland)
The Oaks	17th century symetrical two-room central passage house	48			7 1	customary tenement (half yardland)
* property identifiable as a fee farm rent, but no acreage given						
WICK ST LAWRENCE		1 8 4 0	1 7 7 0	1 7 3 8	1 5 6 7	
Appleton Farm	?late medieval–early 17th century three room cross	4 2		4 9	4 0	customary tenement

	passage house derived from single room structure					
Bay Tree Farm	17th–18th century two-room cottage	38			32	sold off in late 16th century
Castle Cottages	late medieval–early 17th century three room cross passage house	38			21	Dean and Chapter
Gervinia Cottages	17th century symetrical two-room central passage house	8				Dean and Chapter
Icelton Farm	17th century symetrical two-room central passage house	80		97	88	customary tenement
The Ceddars	?late medieval–early 17th century three room cross passage house	146		96	85	customary tenement
Sluice Farm	? late medieval–early 17th century three room cross passage house	70	58		?72	sold off in late 16th century
Hipsleys Farm	?late medieval–early 17th century three room cross passage house	40			?16	sold off in late 16th century
Hodders Farm	late medieval–early 17th century three room cross passage house derived from single room structure	41				sold off in late 16th century
Court Farm	19th century house incorporating earlier fabric	36				sold off in late 16th century
Manor farm	17th century three room axial passage house	20			?19	sold off in late 16th century
Willow Farm	17th century three room axial passage house	0				sold off in late 16th century

Table 9.1 Documentary, standing building, and archaeological evidence for farmsteads and cottages in Puxton village

documentary	***landholding***	***standing structure***	***archaeological***	***interpretation***
Church View (Cambridge's alias Hort's) (PxTM 4)				
customary tenement of *c* 41 acres (Tenement J on map of *c* 1770) that in 1570 was the amalgamation of three tenements, two of which were then roofless ('Coles' and 'Oxlease')	scattered over putative open fields to the west and south of Church Field, along with several closes to the east	very heavily restored (not surveyed in detail): probably 17th/18th century?	13th century and later pottery was collected from flower-beds	large landholding derived from the consolidation of three tenements, the others probably being at TM 39 'Oxlease' and TM 31 'Coles' (see below); TM 4 itself appears to be an enclosure from the village green
Church House (Barrets) (PxTM 6)				
customary tenement of 6 acres in 1642 (Tenement F on map of *c* 1770)	two parcels in the former common field at Ashfield (TM Nos 205 and 208)	?18th century two-celled cottage. An inscribed stone just below the chimney bears a date stone inscribed 1786 (Clarke 1980, 2)		house and small landholding carved out of TM 7 (The Bungalow)?
The Bungalow (Simmon's) (PxTM 7)				
customary tenement of 25 acres in *c* 1642 (Tenement K on map of *c* 1770)	the whole of Church Field, part of the putative common field north of Puxton Moor, and a parcel of the putative open field south west of Church Field	demolished (now occupied by modern bungalow)	Clarke (1980, 3) describes occupation debris; pottery includes six sherds of a coarse limestone-tempered fabric (late 10th/11th century?)	typical customary tenement with fields scattered throughout the eastern part of the parish, including the putative open fields
by the Old School House (PxTM 9)				
landless cottage in *c* 1642	none	demolished (site now occupied by modern houses)		landless cottage on area of enclosed roadside waste
north of Babers (PxTM 10)				
post 1642 landless cottage	none	demolished (site now occupied by modern houses)		post-1642 landless cottage on area of enclosed roadside waste
Briarwood (PxTM 123)				
post *c*1770 cottage, that may lie on the site of a customary tenement of 15 acres deserted after 1569	landless cottage post *c* 1700; disposition of 15 acres unknown	19th century cottage (not surveyed)		Post-*c* 1770 landless cottage on area of enclosed roadside waste, occupying site of a house that had been deserted between 1569 and *c* 1770
Old Chestnut Farm (PxTM 17)				

customary tenement of 10 acres in 1547 (Tenement M on map of *c* 1770)	scattered over eastern part of Puxton, including in the putative open fields to the west of Puxton church	two-celled house dating from the 17th century, extended to the north and south during the 18th century	large amounts of 12th/13th century through to post medieval pottery collected from flower-beds	typical customary tenement with fields scattered throughout the eastern part of the parish, including the putative open fields
Myrtle Farm (Athays) (PxTM 15)				
amalgamation of two tenements: the now deserted 'Haynes', a customary tenement of 15 acres in 1566, and the present Myrtle Farm, a customary tenement with the remaining 12–13 acres that make up 'lt Sam. Athay (Taylors), 28a' (modern Myrtle Farm) in the c1770 Survey (Tenement L)	scattered over eastern part of Puxton, including fields in putative open fields to the west of Puxton church, north of Puxton Moor, and south of Puxton Moor	not surveyed; Listed as 17th century cross-passage house		amalgamation of two tenements (the present Myrtle Farm and the now deserted 'Haynes')
cottage site immediately west of Myrtle Farm ('Averys'/'Taylors') (PxTM 14)				
landless cottage in 1755 which did not exist in 1642 (roofless Tenement O on map of *c* 1770)	this toft, the field to the south and a detached field east of Hardingworth	site deserted	earthwork platform	post-*c*1642 cottage with small amount of land
cottage site further west of Myrtle ('Joneses', late 'Cheekes') (PxTM 12)				
cottage and five acres in 1642 (Tenement H on map of *c* 1770)	three scattered parcels and rights in common meadow in Dolemoor	site deserted	pronounced earthwork platform; three sherd of 13th – 15th century pottery collected from disturbed ground	decayed tenement with several strips in Dolmoors
'Flemmans '/'Shalvers? (PxTM 142)				
customary tenement of 19 acres in 1642 (roofless Tenement N on map of *c* 1770)	parcels scattered over the eastern part of Puxton parish, including parcel in putative common field north of Puxton Moor	site deserted	earthwork platform; test pitting in field to west ('Sollards', CoTM 110) revealed large amounts of 12th – 15th century pottery	typical Puxton small holding with lands scattered throughout the eastern part of the parish, including the putative common fields
Bindings Cottage/'Bunns' (CoTM 106)				
halfyardland of 39 acres in 1567	compact block of closes with detached parcels in former common fields at Dolemoor, Gildenhurst and Goosey	site deserted: cottage demolished in 20th century	test pitting produced 12th/13th century through to post medieval.	typical compact Congresbury-type half yardland
'Home Ground', north of Home Ground (Co TM 112)				
un-named 16 acres of pasture in five closes adjoining John Payne's	compact block of closes	site deserted: deserted by	several earthwork platforms with	typical compact Congresbury-type tenement located on

1567 messuage		time of 1567 Survey	12th–14th century occupation, and possibly reoccupation in 17th/18th century	eastern side of small triangular-shaped green ('The Wash': TM 18) at entrance to Mays Lane
Glebe Cottage (formerly the Parsonage) (PxTM 21)				
parsonage first recorded in 1636	compact block of closes adjacent to the parsonage, with parcel in common fields to north of Puxton Moor and in Twindix	two-celled house possibly dating from the 17th century or earlier		parsonage, and glebe that included parcels of several common fields; located on eastern side of 'The Wash' at entrance to Mays Lane
'Days' (?PxTM 25)				
customary holding of 26½ acres that in 1567 comprised the amalgamation of two tenements one ruinous (roofless Tenement G on map of *c* 1770)	parcels scattered over the eastern part of Puxton parish, including parcel in putative common field south west of Church Field	deserted by *c* 1770; reoccupied in 20th century and now covered in light industrial units		combination of two pre-1642 tenements, one already roofless by that date and the other by *c* 1770; the obvious locations for these two houses are the small plots TM 3 (north of the church) and TM25 (Ox House and Pen) respectively
(eastern part of PxTM3)				
customary holding of 26½ acres that in 1567 comprised the amalgamation of two tenements one ruinous ('Days' see above)along with an orchard of one rood between the church's house called le Churchhowse and the 'domus mancionem'	see 'Days'	deserted by 1567		
The Church House (western part of PxTM3?)				
tenement that can be traced back to 1566 as the Church House		deserted by *c* 1770 and ground amalgamated with 'Days' field TM 3	inaccessible: covered by scrub and a derelict shed	typical location for a Church House on the edge of the cemetery
Haynes (PxTM 26) (and see Myrtle Farm)				
customary tenement (not described as roofless or ruinous) with 15 acres in 1566 (part of roofless Tenement L in *c* 1770).	deserted by *c* 1770 though an ox house survived.	deserted	earthwork platforms; test pitting produced a small amount of 12th – 15th century pottery	
Butts (PxTM 38)				
customary tenement of 11 acres in *c* 1642 (roofless tenement W in *c* 1770).		deserted	earthwork platform; test pitting produced three sherds of fabric AA1 (?late 10th to 11th century), and large amounts of 12th –	

			15th century pottery	
TM 39 'Oxlease'				
part of roofless Tenement J on map of *c* 1770 that can be traced back to the three tenements (two ruinous) held by John and Agnes Atwill in 1570 (see Church View above)	see Church View	deserted	soil chemistry indicates an area of occupation in the north west corner of this field. Corresponds to an area without drainage gripes.	tenement that was absorbed into Church View (Cambridge's alias Hort's) (PxTM 4)?
Appletree Cottage ('North house') (PxTM 29–30)				
cottage with two acres of land in *c* 1642 (Tenement X in *c* 1770)		single-celled 17th century cottage	test pitting to the south produced large amounts of medieval pottery	cottage with just two acres of land
TM 31 'Coles'				
part of roofless Tenement J on map of *c* 1770 that can be traced back to the three tenements (two ruinous) held by John and Agnes Atwill in 1570 (see Church View above)	see Church View	deserted	earthwork platform; test pitting revealed one sherd of fabric AA1 (?late 10th to 11th century), and large amounts of medieval pottery	tenement that was absorbed into Church View (Cambridge's alias Hort's) (PxTM 4)?
Goose Acre Farm ('Millards') (PxTM 34)				
24 acre customary tenement that can be traced back to *c* 1642 (Tenement R in *c* 1770).	small block of fields immediately east of farm and detached fields in the putative open field to the north	early 20th century (not surveyed)		one of three green-side farmsteads on western edge of Puxton Moor
Puxton Moor Farm (PxTM 105)				
tenement of *c* 33 acres of which 21 acres of land lay within the manor in *c* 1770 (Tenement T) and the house and *c* 12 acres lay outside	concentrated immediately west of house forming a small but coherent block	the west wing survives of what was probably a substantial C-shaped 17th century house; the rest was rebuilt in the early 20th century		one of three green-side farmsteads on western edge of Puxton Moor. Small freehold that acquired an area of demesne (Tenement T)
South Farm (PxTM 95)				
29 acre customary tenement that can be traced back to 1560/62 (Tenement U in *c* 1770)	small block of fields immediately west of farm and detached fields in the putative open field to the north	modern		one of three green-side farmsteads on western edge of Puxton Moor
Sharps (PxTM 93).				
in 1491 the Court Roll refers to four acres of land called Sharps	single field	deserted	possible earthwork platform in north	cottage established on the edge of Puxton Moor and abandoned

described as *de antiquo astro* ('the ancestral home or hearth') which is typically applied to small pieces of land held by customary tenants; probably a cottage and five acres recorded in 1547; part of roofless Tenement S in *c* 1770			west corner of field, next to a pronounced buldge in the northern field boundary (marking the southern edge of Puxton Moor)	

Table 9.2 Soil micromorphology, Church Field: summary descriptions of contexts in thin section

context	*thickness*	*composite properties*	*mineral components*	*organic components*	*pedofeatures*
502	>14cm	Spongy microstructure with 20% porosity. Vughs and channels. No bedding.	Silty clay loam. Dark brown (PPL); brown (OIL).	Few. Highly fragmented and strongly decomposed. Reddish brown or very dark brown cell contents.	▪ earthworm granules ▪ soil fauna excrements ▪ gleying features
503	12cm	Spongy microstructure with 10% porosity. Vughs and channels. No bedding.	Silty clay loam. Brown (PPL & OIL).	Rare. Highly fragmented and strongly decomposed. Reddish brown or very dark brown cell contents.	▪ earthworm granules ▪ soil fauna excrements ▪ gleying features ▪ silty clay coatings on pore walls ▪ reworked fragments of other contexts
523 (?buried ground surface)	14cm	Vughy microstructure with 10% porosity. Lower 4cm show weak horizontal bedding.	Silty clay loam (upper); silty clay (lower). Brown (PPL); mixed brown & orange (OIL).	Rare. Highly fragmented and strongly decomposed. Brown cell contents.	▪ earthworm granules ▪ soil fauna excrements ▪ gleying features ▪ silty clay coatings on pore walls ▪ reworked fragments of other contexts
524	>10cm	Vughy microstructure with 5% porosity. Horizontally bedded structure.	Clay silt. Brown (PPL); mixed brown & orange (OIL).	Rare. Highly fragmented and strongly decomposed. Dark brown cell contents.	▪ gleying features ▪ silty clay coatings on pore walls ▪ reworked fragments of

					other contexts

Table 9.3 Quantification of pottery from Church Field (Trenches 1, 2, 3, 11, and 12)

fabric	***phase 5***		***phase 6***		***phase 7***		***phase 8***		***phase 9***		***phase 10***		***phase 00***	
	nos.	g	nos.	g	nos.	g	nos.	g	nos.	g	nos.	g	nos.	g
AA1	3	26	49	852							31	366		
PX01			2	30										
Bristol A/B	5	38	13	240					3	43				
PX03	3	11	129	568					15	84	70	306		
PX04	35	273	621	5648					14	85	143	918		
PX08	1	10	58	544					11	79	36	260		
U1	3	33	27	236					2	40	13	90	1	1
U4	8	34	91	527					9	40	37	171		
SE Wilts	1	20	1	4							1	3		
Y			1	15										
XX			2	17							1	10		
AA2			3	30										
Proto Ham Green			26	278					3	11	6	21		
PX09			18	98					1	4	7	144		
SS			2	6					1	1	8	65		
AAA	1	3	11	46					4	28	5	25		
Q			2	3					1	3				
Stamford Ware											1	7		
OO											4	43		
C27											1	1		
Malvern Chase											2	50		
C7									4	25	9	102		
Delftware											1	1		
M/KK											5	20		
plain or blue decorated pearlware			1	5					1	1	2	2		
press-moulded salt-glazed white stoneware											1	12		
Nottingham stoneware											1	1		
modern English stoneware									1	10				
unid	1	1	18	16							9	13	1	1
total	61	449	1075	9163					70	454	394	2 631	2	2

Table 9.4 Pottery from fieldwalking in Church Field

	sherds	%
PX08	21	8.9
U4	17	7.2
PX04	16	6.8
AA1	14	5.9
U1	11	4.6
PX03	6	2.5
Malvern Chase	5	2.1
Bristol ware jugs	5	2.1
Y	4	1.7
PX09	4	1.7
Q	3	1.3
Proto Ham Green coarsewares	2	0.8
Ham Green jugs	1	0.4
unid	1	0.4
H Gr cw	1	0.4
Frechen	1	0.4
C8	1	0.4
modern stoneware	1	0.4
C2	1	0.4
C3	2	0.8
C7	50	21.1
A1	4	1.7
M/KK	5	2.1
Westerwald stoneware	1	0.4
North Devon gravel-tempered	3	1.3
sponged ware	2	0.8
pearlware	33	13.9
creamware	5	2.1
industrially-made red wares	12	5.1
porcelain	1	0.4
bone china	1	0.4
factory slipwares	1	0.4
yellow ware	2	0.8

Table 9.5 Comparison of pottery assemblages from shovel test pits

fabric	*Flemans*		*Butts*		*Coles*		*Haynes*		*Totals*		*Bindings*	
	sherds	**g**	**sherds**	**g**	**sherds**	**g**	**sherds**	**g**	**sherds**	**g**	**sherds**	**g**
post medieval	3	35	19	173	17	59	13	57	52	324	61	273
% of total pottery	4.2	10.3	9.5	17.0	39.5	41.8	43.3	51.4	15.1	20.2	59.2	46.5
late medieval	14	56	21	99	3	17	9	25	47	197	13	118
% of total pottery	19.4	16.5	10.6	9.8	7.0	12.1	30.0	22.5	13.7	12.3	12.6	20.1
11th to 13th centuries	55	248	159	743	23	65	8	29	245	1085	29	196
% of total pottery	76.4	73.2	79.9	73.2	53.5	46.1	26.7	26.1	71.2	67.6	28.2	33.4
11th - 13th C as % of medieval	79.7	81.6	88.3	88.2	88.5	79.3	47.1	53.7	83.9	84.6	69.0	62.4
Total	72	339	199	1015	43	141	30	111	344	1606	103	587

Table 10.1 Assessment of pollen from Church Field, buried ground surface beneath enclosure bank. Sample depths are from the top of the monolith tin, which was 0.28m below the present ground surface

	sample depth in cm	14–15cm	21–22cm	26.5–27.5cm
	total pollen counted	17	19	9
	Lycopodium recovered	62	50	79
TREES & SHRUBS				
	Pinus (pine)	1		1
	Corylus-type (hazel)	1		
HERBACEOUS TYPES				
v	Poaceae (grasses)	7	8	2
m	*Centaurea nigra* (knapweed)			1
d	Lactuceae (dandelion and related Asteraceae)	4	9	3
d	Brassicaceae (cabbage family)	1		
d, s	*Solidago virgaurea*-type (daisy, sea aster and related Asteraceae)	2	2	2
s, d	Chenopodiaceae (goosefoot family)	1		
Counted Outside Pollen Sum				
	Filicales undifferentiated (ferns)	9	6	4
	Polypodium vulgare (polypody fern)	2	2	5
	Pteridium aquilinum (bracken)	1	5	2
	Ascaris egg (round worm)	1		
	Degraded grains (unidentifed)	23	7	10
	Pollen preservation	VP	VP	VP
	Pollen concentration	P	P	P
	Relative concentration of charcoal >40 µm	102000	56000	37000

Habitat preferences: v, various; d, disturbed ground; m, meadows or grazed land; s, saltmarsh or other maritime habitat.
Preservation and concentration categories: P = poor; VP = very poor

Table 10.2 Stratigraphy, pollen and foraminifera samples: Church Field enclosure ditch F.103. Depths are from the top of the monolith tin, which was 0.89m below the present ground surface (5.08m OD)

depth	*context*	*samples*	*stratigraphy*
0–11cm (4.19–4.08m OD)	107	1–2cm 8–9cm	dark grey clay with buff mottles, merging boundary
11–31.5cm (4.08–3.875m OD)	134	13–14cm 28–29cm	lighter dark grey clay with more extensive buff mottles
31.5– 39.5cm (3.875–3.795m OD)	163	32–33cm 38–39cm	dark grey unmottled clay
39.5–50cm (3.795–3.69m OD)	natural		orange–brown clay with paler patches

Table 10.3 Assessment of pollen from sediment samples from Church Field, ditch F.103

	context	**107**	**134**	**163**	**163**
	sample depth from top of tin	**8–9cm**	**28–29cm**	**32–33cm**	**38–39cm**
	total pollen counted	**60**	**157**	**130**	**160**
	Lycopodium *recovered*	89	46	36	32
TREES & SHRUBS					
	Pinus (pine)	1	1		1
	Betula (birch)		1	4	
	Quercus (oak)		1	2	1
	Alnus (alder)	1	1		
	Corylus-type (hazel)	1		1	4
	Fagus (beech)		1		1
	Fraxinus (ash)				1
	Salix (willow)	1	9	14	25
HERBACEOUS TYPES					
c	*Centaurea cyanus* (cornflower)		1		
d	*Rumex* spp. (docks)			1	1
d	*Plantago lanceolata* (ribwort plantain)		3		
d	Lactuceae (dandelion and related Asteraceae)	10	4	3	8
d, m	*Ranunculus acris*-type (buttercup)		1	1	4
d	Brassicaceae (cabbage family)	25	24	23	28
d, m	*Cirsium*-type (thistles)		1		1
d, s	*Solidago virgaurea*-type (daisy, sea aster and related Asteraceae)	5	3	5	
d	*Artemisia*-type (mugwort)				2
d, c, m	*Achillea*-type (yarrows, chamomiles)		1	2	1
s, d	Chenopodiaceae (goosefoot family)		15	8	10
v	Poaceae (grasses)	5	51	45	29
v	Cyperaceae (sedges)	1	3	1	14
v, c	Cereal-type (cereals etc)	4	10	9	9
v	Apiaceae (carrot family)		12	2	5
v	*Polygonum* (knotgrasses)	5	8	5	7
v	Fabaceae (pea family)				2

v	Caryophyllaceae (pink family)		1		1
v	Rosaceae (rose family)		1	1	
f	Potamogeton (pondweeds)	1			
f	*Menyanthes* (bogbean)		2	3	5
f	Lemnaceae (duckweed)		2		
counted outside pollen sum					
	Filicales undifferentiated (ferns)	8	3	10	5
	Polypodium vulgare (polypody fern)	9	3	3	2
	Pteridium aquilinum (bracken)	2		4	3
	Sphagnum (bog moss)				1
	degraded grains (unidentifed)	25	40	34	26
	pollen preservation	P	P	P	P–M
	pollen concentration	P	G	G	G
	relative concentration of charcoal >40μm	106000	82000	24000	268000

Habitat preferences: v, various; d, disturbed ground; c, cultivated land; m, meadows or grazed land; s, saltmarsh or other maritime habitat; f, fresh water ditch.
Preservation and concentration categories: P = poor; M = moderate; G = good

Table 10.4 Stratigraphy, pollen and foraminifera samples: Church Field, ditch F.128. Depths are from the top of monolith tin, which was 1.20m below the present ground surface (5.23m OD)

depth	***context***	***samples***	***stratigraphy***
0–24.5cm (4.03–3.785m OD)	144	7.5–8.5cm 17.5–18.5cm	mid grey clay with pale brown mottles and occasional fine black streaks, merging boundary
24.5–32.0cm (3.785–3.71m OD)	150	28.5–29.5cm	mid grey clay with pale brown mottles and black streaks, merging boundary
32–50cm (3.71–3.53m OD)	152	36–37cm 47–48cm	becoming darker with increasingly large black streaks and lumps of organic matter.

Table 10.5 Assessment of pollen from sediment samples from Church Field, ditch F.128

	context	**144**	**150**	**152**	**152**
	sample depth from top of tin	**17.5–18.5cm**	**28.5–29.5cm**	**36–37cm**	**47–48cm**
	total pollen counted	**119**	**52**	**89**	**103**
	Lycopodium *recovered*	84	78	60	37
TREES & SHRUBS					
	Pinus (pine)	1	1	1	1
	Betula (birch)	1	1		3
	Quercus (oak)	4	4	3	1
	Alnus (alder)	5	2		1
	Corylus-type (hazel)	1	2	2	3
	Ulmus (elm)			2	
	Fraxinus (ash)				1
	Salix (willow)	1			1
HERBACEOUS TYPES					
d	*Rumex* spp. (docks)				1
d	Lactuceae (dandelion and related Asteraceae)	10	5	6	11
d, m	*Ranunculus acris*-type (buttercup family)				1
d	Brassicaceae (cabbage family)	27	13	22	11
d, m	*Cirsium*-type (thistles)			1	
d, s	*Solidago virgaurea*-type (daisy and related Asteraceae)	6	1	4	10
d	*Artemisia*-type (mugwort)		1		
d, c, m	*Achillea*-type (yarrows)			2	
s, d	Chenopodiaceae (goosefoot family)	12	3	6	
v	Poaceae (grasses)	42	15	25	48
v	Cyperaceae (sedges)	5		1	1
v, c	Cereal-type (cereals etc)	3	3	9	8
v	Apiaceae (carrot family)		1		
v	Dipsacaceae (teasel family)			1?	
v	Fabaceae (pea family)	1		2	
h	Ericaceae (heaths)			1	
v	Rosaceae (rose family)			1?	
f, v	*Veronica* (speedwells)				1?

counted outside pollen sum					
	Filicales undifferentiated (ferns)	13	12	8	6
	Polypodium vulgare (polypody fern)	9	2	6	1
	Pteridium aquilinum (bracken)	7	7	7	
	Sphagnum (bog moss)	2			
	degraded grains (unidentifed)	43	12	43	36
	pollen preservation	P	P	P	P
	pollen concentration	M	P	P	M
	relative concentration of charcoal >40µm	64000	53000	153000	331000

Habitat preferences: v, various; c, cultivated ground; d, disturbed ground; s, saltmarsh or other maritime habitat; h, heathland; f, freshwater ditch. Identifications marked ? are uncertain because of poor preservation.
Preservation and concentration categories P = poor, M = moderate

Table 10.6a Waterlogged plant macrofossils from features at Church Field

		buried soil	*enclosure ditch*	*ditch basal fill*	*ditch earliest cut/lower fill*		*ditch upper fill*	*ditch upper fill*	*ditch basal fill*	*ditch basal fill*	*ditch mid fill*	***habitat***
	feature		F103	F115	F128		F128/140	F135	F510	F526		
	context	**503**	**134**	**116**	**152**	**150**	**141**	**131**	**525**	**528**	**527**	
	size of sample (kg/litres)	42.2/40	30.3/18.5	19/12	25.5/15	16.2/10	7.2/4.5	14.1/9	46.3/38	47.5/44	49.2/45	
	size of float (ml)		35	120		200	15	50	15	40	25	
CHARACEAE												
Chara sp	Stonewort									1		A
RANUNCULACEAE												
Ranunculus acris/repens/bulbosus	Meadow/Creeping/ Bulbous Buttercup			2	115	17	14					DG
Ranunculus flammula L.	Lesser Spearwort				1	1						MPRw
Ranunculus lingua L.	Greater Spearwort				2							M
Ranunculus sardous Crantz	Hairy Buttercup				2	4						CDW
Ranunculus sceleratus L.	Celery-leaved Buttercup				10	4	13					MPR
R. subg. *Batrachium* (DC.)A.Gray	Water Crowfoot				20	140	123			1		APR
MORACEAE												
Ficus carica L.	Fig					3						#
URTICACEAE												
Urtica dioica L.	Common nettle		8		333	797	115			5	2	DGHWp
BETULACEAE												
Betula sp	Birch					1						WEl aw
Corylus avellana L. (nut frags)	Hazel				45	3						HSW
CHENOPODIACEAE												
Atriplex spp	Orache		12		104	21	1	4	4	3	1	CDn
Chenopodium album L.	Fat-hen	1	2		8			7	7	2	2	CDn
Chenopodium ficifolium Smith	Fig-leaved Goosefoot	1	7		79	10		43	21	24	7	CD
Chenopodium polyspermum L.	Many-seeded Goosefoot										1	CD
Chenopodium rubrum/glaucum	Red/Oak-leaved Goosefoot	1				1	3	1				CDs
Chenopodiaceae indet	Goosefoot family		2		22	15	2					various
CARYOPHYLLACEAE												
Cerastium spp	Chickweed	3	4		3		2	1				CDG
Stellaria media (L.)Villars	Common Chickweed	3			5	1		2	2	3	12	CD
POLYGONACEAE												
Persicaria lapathifolia (L.)Gray	Pale Persicaria			1						7		Cdow
Persicaria maculosa Gray	Redshank			1	9				2			Cdo
Polygonum aviculare L.	Knotgrass					1						CD
Rumex spp	Dock		1		3	8	10					DG
BRASSICACEAE												
Brassica/Sinapis/Raphanus sp	Mustard/Rape/Cole etc				1							CD#
Coronopus squamatus (Forsskaol)Asch	Swine Cress				5		1					Do
Rorippa nasturtium-aquaticum (L.)Hayek	Water-cress					3	62					BPR
RESEDACEAE												
Reseda luteola L.	Weld					1						CDGo

ROSACEAE												
Crataegus monogyna Jacq	Hawthorn					1 + f	2f					HSW
Potentilla anserina L.	Silverweed				1							DG, sand-dunes
Rosaceae indet (thorn)	Rose family					1						HSW
Rubus sect. *Glandulosus* Wimmer & Grab	Bramble				8	2	23		1f			DHSW
FABACEAE												
Ulex sp (spine)	Gorse				1							EGWo
LINACEAE												
Linum usitatissimum L. (seeds)	Flax								19	1	1	#
Linum usitatissimum L. (capsule frags)	Flax								18			#
Linum spp (stem frags)	Flax								5			#
APIACEAE												
Aethusa cynapium L.	Fool's Parsley				9	4	9					C
Conium maculatum L.	Hemlock		13 + f		9	45	29					Bw
Heracleum sphondylium L.	Hogweed				1	1	2					DG
Torilis spp	Hedge-parsley				7	3						CGHW
SOLANACEAE												
Solanum dulcamara L.	Bittersweet					5	10					DHS
LAMIACEAE												
Ballota nigra L.	Black Horehound		3			6	1					HW
Lycopus europaeus L.	Gipsywort				1							FRw
Mentha aquatica L.	Water Mint						4					MPw
Stachys sylvatica L.	Hedge Woundwort						1					HSW
PLANTAGINACEAE												
Plantago major L.	Greater Plantain				13	12	1					CDG-o
SCROPHULARIACEAE												
Odontites/Euphrasia spp	Bartsia/Eyebright				6	1						CD
CAPRIFOLIACEAE												
Sambucus nigra L.	Elder		14 + f	20	33	131	26 + f	54	11	53	473	DHSWn
ASTERACEAE												
Anthemis cotula L.	Stinking Chamomile				10	9						CDh
Arctium minus (Hill)Bernh.	Lesser Burdock					1						DW
Cirsium c.f. *arvense* (L.)Scop	Creeping Thistle				11	12	1					CDGH
Cirsium c.f. *palustre* (L.)Scop.	Marsh Thistle						7					MGP(w) W(o)
Cirsium c.f. *vulgare* (Savi)Ten.	Spear Thistle				17	4						CDW
Cirsium spp	Thistle				5	2						DGMW
Eupatorium cannabinum L.	Hemp-agrimony				1							w-shade or open
Lapsana communis L.	Nipplewort						4					DH
Picris echioides L.	Bristly Oxtongue					1	1					DHWc
Sonchus asper (L.)Hill	Prickly Sow-thistle				2	3	1		1			CD
Sonchus oleraceus L.	Smooth Sow-thistle					1						CDW
ALISMATACEAE												
Alisma plantago-aquatica L.	Water Plantain					1	16					APR
Alisma spp	Water Plantain				4	5	117					APR
LEMNACEAE												
Lemna spp	Duckweed		254		267	40	742	2	20	29		A

JUNCACEAE												
Juncus spp	Rush	1	35		12		6			73		GMRw
CYPERACEAE												
Carex spp	Sedge				5	3	4			3		GMPRW
Carex flacca Schreber	Glaucous Sedge				1		20				1	G- wd
Carex hirta L.	Hairy Sedge				32	3	30					G (damp)
Carex riparia Curtis	Greater Pond-sedge				9		6					PMN, w
Carex sylvatica Hudson	Wood-sedge						1					HSW damp
Carex vulpina L.	True Fox-sedge				21	39	124					Wh/M ditches
Eleocharis palustris/uniglumis	Spike-rush				104	16						MPw
POACEAE												
Poaceae indet	Grasses	3			58	33	53					G
TYPHACEAE												
Typha spp	Bulrush		1		1					5		PR-reed swamp
	Total:	**13**	**356**	**24**	**1416**	**1416**	**1585**	**114**	**111**	**210**	**500**	

Table 10.6b Carbonised plant macrofossils from features at Church Field

		buried soil	*enclosure ditch*	*ditch basal fill*	*ditch earliest cut/lower fill*		*ditch upper fill*	*ditch upper fill*	*ditch basal fill*	*ditch Middle fill*	*ditch basal fill*	*ditch mid fill*	*habitat*
	feature		**F103**	**F115**	**F128**		**F128/140**	**F135**	**F510**		**F526**		
	context	**503**	**134**	**116**	**152**	**150**	**141**	**525**	**131**	**517**	**528**	**527**	
Grain													
Avena sp	Oat		25	2	148	16		5	6	7	7	9	#
c.f. *Avena* sp	Oat							1			3		#
Hordeum sp	Barley		6	5	42	6		21	24	11	38	4	#
Hordeum sp (hulled)	Barley		1	1	9	1							#
Hordeum sp (straight)	Barley											1	#
Hordeum sp (hulled/straight)	Barley											2	#
c.f. *Hordeum* sp	Barley		1	5				6	1	4	4		#
Hordeum sp (hulled/tail grain)	Barley				2								#
Hordeum sp (tail grain)	Barley				3	4			1	7			#
Secale cereale	Rye				33								#
Triticum sp	Wheat		39	22	843	68	1	31	185	54	42	25	#
c.f. *Triticum* sp	Wheat	2	21	6	174	17		35	56	65	30	11	#
Triticum sp (tail grain)	Wheat					13			5	2		1	#
Cereal indet		1	18	14	121	23	1	52	119	103	48	22	#
	Total:	**3**	**111**	**55**	**1375**	**148**	**2**	**151**	**397**	**253**	**172**	**75**	
Chaff													
Avena sp (pedicel)	Oat				1								#
Avena sp (pedicel – *fatua/ludoviciana* type)	Wild Oat				2								#
Avena sp (awns)	Oat		61		7				16				#
Hordeum sp (rachis internode)	Barley		1		10	1				2	1		#
Triticum sp (tough rachis internode)	Free-threshing wheat		7	1	523	17		2	39	10	13	2	#
Triticum sp (rachis internode base)	Wheat		4		20	2		4	5				#
Triticum sp (basal rachis internode)	Wheat				8							1	#
Triticum sp (tetraploid rachis frag)	Free-threshing wheat				15								#
Triticum sp (c.f. tetraploid rachis frag)	Free-threshing wheat				16								#
Triticum sp (free-threshing rachis frag)	Free-threshing wheat				3				1				#
Triticum spelta (spikelet fork)	Spelt wheat				2								#
Triticum spelta (glume base)	Spelt wheat					1							#
Triticum sp (hulled wheat glume base)	Hulled wheat				25	1							#
Triticum sp	Hulled wheat				11								#

(hulled wheat spikelet fork)													
Triticum sp (awns)	Wheat				27	1							#
Triticum sp (awns - silicified)	Wheat				1				freq				#
Cereal embryo area			1	1	4				3	2	1	3	#
Poaceae culm node	Grass				10								
Poaceae culm node (silicified)	Grass				14								
Poaceae culm base	Grass				2								
	Total:	**0**	**74**	**2**	**701**	**23**	**0**	**6**	**64**	**14**	**15**	**6**	
Weeds													
RANUNCULACEAE													
Ranunculus acris/repens/bulbosus	Meadow/ Creeping/ Bulbous Buttercup			1	5								DG
Ranunculus flammula L.	Lesser Spearwort				1								MPRw
Ranunculus spp	Buttercup							1f				1f	DMPR
BETULACEAE													
Corylus avellana L. (nut frags)	Hazel			6	5f			2		4f	7		HSW
CHENOPODIACEAE													
Atriplex spp	Orache		8		107							2	CDn
Chenopodium ficifolium Smith	Fig-leaved Goosefoot		3		10								CD
Chenopodiaceae indet	Goosefoot family		3			2		1					various
CARYOPHYLLACEAE													
Agrostemma githago L.	Corncockle				1								C
Cerastium sp	Chickweed		1		1								CDG
Stellaria media (L.)Villars	Common Chickweed				1								CD
POLYGONACEAE													
Persicaria lapathifolia (L.)Gray	Pale Persicaria			1	8								Cdow
Persicaria maculosa Gray	Redshank			1	7								Cdo
Rumex acetosella L.	Sheep's Sorrel				1								Ho, CG, a,sandy
Rumex spp	Dock		12	1	31	3		4	6	2	10	13	DG
BRASSICACEAE													
Brassica c.f. *nigra* (L.)Koch	Black Mustard		7			2			3				DRWs
Brassica/Sinapis/ Raphanus spp	Mustard/Rape/ Cole etc		4		9								CD#
FABACEAE													
Lathyrus c.f. *nissolia* L.	Grass Vetchling									2f			G
Lathyrus/Vicia spp	Pea/Vetch		2					1		3f	1 + f	1	DG
Lathyrus/Vicia/Pisum spp	Vetch/Garden Pea		4		6f	3		1 + f					CDG#
Medicago lupulina L.	Black Medick		1										GR
Pisum sativum L.	Garden Pea				3								#CD

c.f. *Pisum sativum* L.	Garden Pea				1								#CD
Trifolium/Medicago spp	Clover/Medick		1		5	1		1			3	2	DGR
Vicia faba L.	Celtic/Horse Bean			2 + f	7 + 17f	1 + f			1f	2f	2		#
Vicia hirsuta (L.)Gray	Hairy Tare		1										DG
Vicia tetrasperma (L.)Schreber	Smooth Tare									1			G
APIACEAE													
Bupleurum rotundifolium L.	Thorow-wax				2								C
SOLANACEAE													
Solanum nigrum L.	Black Nightshade		1										CD
PLANTAGINACEAE													
Plantago major L.	Greater Plantain		5		4						1		CDG-o
SCROPHULARIACEAE													
Odontites/Euphrasia spp	Bartsia/ Eyebright		3		18			2	1		4	3	CD
RUBIACEAE													
Galium aparine L.	Cleavers			1	2								CHSo
CAPRIFOLIACEAE													
Sambucus nigra L.	Elder										1	1	DHSWn
ASTERACEAE													
Anthemis cotula L.	Stinking Chamomile		85		135	8			16		3	4	CDh
Chrysanthemum segetum L.	Corn Marigold											1	Ca
Lapsana communis L.	Nipplewort				1								DH
JUNCACEAE													
Juncus spp	Rush										3		GMRw
CYPERACEAE													
Carex spp	Sedge				3						1		GMPRW
Carex vulpina L.	True Fox-sedge				1								Wh/M ditches
Eleocharis palustris/uniglumis	Spike-rush		1		15								MPw
POACEAE													
Bromopsis c.f. *erecta* (Hudson) Fourr.	Upright Brome				1								Gdc
Bromus racemosus/ hordaceus/secalinus	Smooth/Soft/ Rye Brome		7		9	1							DG/DG/CD
Bromus sp	Brome			1				1	1	1		1	CD
c.f. *Bromus* spp	Brome								2				CD
Cynosurus cristatus L.	Crested Dog's -tail				6	1							G
Poa/Phleum spp	Meadow-grass/Cat's-tail		20		43						5		G
Poaceae indet	Grasses		6		52	3			14	2	2	3	G
	Total:	**0**	**175**	**14**	**490**	**25**	**0**	**12**	**43**	**6**	**43**	**31**	
Charcoal fragments			abund	abund	abund	freq	few	freq	freq	freq		freq	
Charcoal frags >2mm			<200	400+	<400	<50		100+	100+	50+		<100	

Key for habitats: see Table 3.6

Table 10.6c Mineralised plant macrofossils from features at Church Field

		ditch basal fill	***ditch basal fill***	***ditch middle fill***	***habitat***
	feature	F510	F526		
	context	**525**	**528**	**527**	
RANUNCULACEAE					
Ranunculus spp	Buttercup		1	38	DMPR
URTICACEAE					
Urtica dioica L.	Common nettle	15		11	DGHWp
Urtica urens L.	Small nettle			2	CDl
CHENOPODIACEAE					
Atriplex spp	Orache			40	CDn
Chenopodiaceae indet	Goosefoot family	7		104	various
POLYGONACEAE					
Persicaria lapathifolia (L.)Gray	Pale Persicaria			42	Cdow
Polygonum c.f. *aviculare* L.	Knotgrass			8	CD
Polygonum spp	Knotgrasses			6	various
Rumex spp	Dock	44		164	DG
MALVACEAE					
Malva spp	Mallow	16			DW
BRASSICACEAE					
Brassica/Sinapis/Raphanus spp	Mustard/Rape/Cole etc	15		105	CD#
VITACEAE					
Vitis vinifera L.	Grape	17			#
APIACEAE					
Bupleurum rotundifolium L.	Thorow-wax	37		11	C
LAMIACEAE					
Prunella vulgaris L.	Selfheal			12	DG
PLANTAGINACEAE					
Plantago lanceolata L.	Ribwort Plantain			1	G
Plantago major L.	Greater Plantain	1		5	CDG–o
SCROPHULARIACEAE					
Odontites/Euphrasia spp	Bartsia/Eyebright	1		6	CD
CAPRIFOLIACEAE					
Sambucus nigra L.	Elder	2		19	DHSWn
ASTERACEAE					
Anthemis spp	Chamomile			14	Cd
CYPERACEAE					
Carex spp	Sedge	2		10	GMPRW
POACEAE					
Poaceae indet	Grasses	10		48	G
CEREALS					
Avena sp (grain)	Oat			1	#
Avena sp (grain with partial floret)	Oat			1	#
c.f. *Hordeum* sp (grain)	Barley			1	#
Secale cereale (grain)	Rye			2	#
	Total:	**16**	**1**	**651**	

Table 10.7 Plant habitat groups at Church Field

wet places: marsh, by or in ditches or streamsides

bankside/boggy places

Carex riparia (W) Greater Pond-sedge
Carex vulpina (CW) True Fox-sedge
Carex spp (CMW) Sedge
** *Cirsium palustre* (W) Marsh Thistle
Eleocharis palustris/uniglumis (CW) Spike-rush
** *Eupatorium cannabinum* (W) Hemp Agrimony
** *Filipendula ulmaria* (W) Meadowsweet
Juncus sp (CW) Rush
Lycopus europaeus (W) Gipsywort
Mentha aquatica (W) Water Mint
Ranunculus lingua (W) Greater Spearwort
Ranunculus sceleratus (W) Celery-leaved Buttercup
** *Ranunculus flammula* (CW) Lesser Spearwort
Rorippa nasturtium-aquaticum (W) Water-cress
Typha spp (W) Bulrush

aquatics

Alisma plantago-aquatica (W).....Water Plantain
Chara spp (W) Stonewort
Lemna spp (W) Duckweed
Ranunculus subg. *Batrachium* (W) Water Crowfoot

brackish indicators

** *Carex flacca* (W) Glaucous Sedge

dry pasture/rough grassy places/fields

Bromopsis erecta (C) Upright Brome
** *Bromus racemosus/ hordaceus/secalinus* (C) Smooth/Soft/ Rye Brome
*** *Cirsium arvense* (W) Creeping Thistle
** *Cirsium vulgare* (W) Spear Thistle
Cynosurus cristatus (C) Crested Dog's-tail
** *Eupatorium cannabinum* (W) Hemp Agrimony
** *Heracleum sphondylium* (W) Hogweed
Lathyrus nissolia (C) Grass Vetchling
Lathyrus/Vicia spp (C) Pea/Vetch
** *Malva* spp (CM) Common Mallow
Medicago lupulina (C) Black Medick
** *Odontites/Euphrasia* (CMW) Bartsia/Eyebright
Plantago lanceolata (M) Ribwort Plantain
** *Plantago major* (CM) Greater Plantain
Poa/Phleum spp (C) Meadow-grass/Cat's-tail
**Poaceae (CM) Grass
Prunella vulgaris (M) Selfheal
Rumex acetosella (C) Sheep's Sorrel
Torilis spp (W) Hedge-parsley
Trifolium/Medicago spp (C) Clover/Medick
Vicia hirsuta (C) Hairy Tare
Vicia tetrasperma (C) Smooth Tare

meadows/damp pasture

** *Carex flacca* (W) Glaucous Sedge
Carex hirta (W) Hairy Sedge
** *Cirsium palustre* (W) Marsh Thistle
** *Conium maculatum* (W).....Hemlock
** *Filipendula ulmaria* (W)..... Meadowsweet
**Poaceae indet (CMW) Grass
Potentilla anserina (W)Silverweed
Ranunculus acris/repens/bulbosus (W) Meadow/ Creeping/Bulbous Buttercup
** *Ranunculus flammula* (CW).....Lesser Spearwort
Ranunculus sardous (W) Hairy Buttercup
Ranunculus sp (CM) Buttercup

cornfields

Agrostemma githago (C) Corncockle
Anthemis cotula (CW) Stinking Chamomile
Anthemis spp (M) Chamomile
Bupleurum rotundifolium (CM).....Thorow-wax
Chrysanthemum segetum (C).....Corn marigold

waste/disturbed/arable ground

Aethusa cynapium (W) Fool's Parsley
** *Arctium minus* (W) Lesser Burdock
Atriplex spp (CMW) Orache
Brassica c.f. *nigra* (C) Black Mustard
Brassica/Sinapis/Raphanus spp (CMW) Mustard/Rape/Cole etc
** *Bromus racemosus/* Smooth/Soft/ Rye Brome

heath/downland/common

Ulex sp (W) Gorse

cultivated/of economic importance

Avena sp (CM).....Oat
Ficus carica (W).....Fig

hordaceus/secalinus (C)	
Cerastium sp (CW)	Chickweed
Chenopodium album (W)	Fat-hen
Chenopodium ficifolium (CW)	Fig-leaved Goosefoot
Chenopodium polyspermum (W)	Many-seeded Goosefoot
Chenopodium rubrum/glaucum (W)	Red/Oak-leaved Goosefoot
Chenopodiaceae indet (CMW)	Goosefooot
*** *Cirsium arvense* (W)	Creeping Thistle
** *Cirsium vulgare* (W)	Spear Thistle
** *Conium maculatum* (W)	Hemlock
Coronopus squamatus (W)	Swine Cress
** *Galium aparine* (C)	Cleavers
** *Lapsana communis* (CW)	Nipplewort
Hordeum sp (CM)	Barley
Linum usitatissimum (W)	Flax
Pisum sativum (C)	Garden Pea
Secale cereale (CM)	Rye
Triticum sp (C)	Wheat
Vicia faba (C)	Celtic/Horse Bean
Vitis vinifera (M)	Grape-vine

waste/disturbed/arable ground

** *Malva* spp (M)	Mallow
** *Odontites/Euphrasia* (CMW)	Bartsia/Eyebright
Persicaria lapathifolia (CMW)	Pale Persicaria
Persicaria maculosa (CW)	Redshank
Picris echioides (W)	Bristly Oxtongue
** *Plantago major* (CMW)	Greater Plantain
Polygonum aviculare (MW)	Knotgrass
Reseda luteola (W)	Weld
** *Rubus* sect. *Glandulosus* (W)	Bramble
Rumex sp (CMW)	Dock
Solanum nigrum (C)	Black Nightshade
Sonchus asper (W)	Prickly Sow-thistle
Sonchus oleraceus (W)	Smooth Sow-thistle
Stellaria media (CW)	Common Chickweed
Urtica dioica (MW)	Common nettle
Urtica urens (M)	Small nettle

woodland/hedgerow/scrub

** *Arctium minus* (W)	Lesser Burdock
Ballota nigra (W)	Black Horehound
Betula spp (W)	Birch
Carex sylvatica (W)	Wood-sedge
*** *Cirsium arvense* (W)	Creeping Thistle
Corylus avellana (CW)	Hazel
Crataegus monogyna (W)	Hawthorn
** *Galium aparine* (C)	Cleavers
** *Heracleum sphondylium* (W)	Hogweed
** *Lapsana communis* (W)	Nipplewort
Rosaceae (W)	Rose Family
** *Rubus* sect. *Glandulosus* (W)	Bramble
Sambucus nigra (CMW)	Elder
Solanum dulcamara (W)	Bittersweet
Stachys sylvatica (W)	Hedge Woundwort

Key

** occurring in 2 habitat groups	*** occurring in 3 habitat groups
C charred	M mineralized
	W waterlogged

Table 10.8a Plant macrofossils from features at Home Ground

		buried soil	***between buried soils***	***ditch lower fill***		***ditch***	***lower pit fill***	***upper pit fill***	***gully***	***ditch***	***habitat***
	feature			**F267**		**F308**	**F265**		**F243**	**F209**	
	context	**281**	**321**	**285**	**285**	**323**	**280**	**266**	**244**	**230**	
	sample	**145**	**146/147**	**139/140**	**141/142**	**152/153**	**137/138**	**135/136**	**131/132**	**127/128**	
	Sample size (kg/litres)	3.7/4	54.6/46	29.9/33	37.9/44	36.3/42	29.1/34	27.7/30	24.2/28	45.9/42	
	Size of float (ml)	<1	none	100	140	4	25	16	8	170	
RANUNCULACEAE											
Ranunculus acris/repens/bulbosus	Meadow/Creeping/ Bulbous Buttercup			4		2	1			25	DG
Ranunculus lingua L.	Greater Spearwort									1	M
Ranunculus sceleratus L.	Celery-leaved Buttercup									18	MPR
R. subg. *Batrachium* (DC.)A.Gray	Water Crowfoot				3	9	7		1	2	APR
URTICACEAE											
Urtica dioica L.	Common nettle			2	1					425	DGHWp
CHENOPODIACEAE											
Atriplex spp	Orache				1				2	2	CDn
Chenopodium ficifolium Smith	Fig-leaved Goosefoot								1		CD
Chenopodiaceae indet	Goosefoot family									2	various
CARYOPHYLLACEAE											
Cerastium spp	Chickweed						1	1		2	CDG
POLYGONACEAE											
Rumex sp	Dock									1	DG
BRASSICACEAE											
Rorippa nasturtium-aquaticum (L.)Hayek	Water-cress									1	BPR
ROSACEAE											
Crataegus monogyna Jacq	Hawthorn									10 + 40f	HSW
Potentilla anserina L.	Silverweed									1f	DG, sand-dunes
Rosaceae indet (thorn)	Rose family									7	HSW
Rubus sect. *Glandulosus* Wimmer & Grab	Bramble							1		39	DHSW
APIACEAE											
Aethusa cynapium L.	Fool's Parsley									1	C
Anethum graveolens L.	Dill									1	CD#
Conium maculatum L.	Hemlock									28	Bw
Heracleum sphondylium L.	Hogweed									1f	DG
Torilis spp	Hedge-parsley									2f	GHWo
SOLANACEAE											
Solanum dulcamara L.	Bittersweet									12	DHS
LAMIACEAE											
Ballota nigra L.	Black Horehound									2	HW
Lycopus europaeus L.	Gipsywort									2	FRw
Mentha sp	Mint									1	CDPW
Stachys sylvatica L.	Hedge Woundwort									21	HSW
PLANTAGINACEAE											

Plantago major L.	Greater Plantain									1	CDG-o
CAPRIFOLIACEAE											
Sambucus nigra L.	Elder					2			3	16	DHSWn
ASTERACEAE											
Chrysanthemum segetum L.	Corn marigold			2							Ca
Cirsium arvense (L.)Scop	Creeping Thistle									9	CDGH
Cirsium/Carduus sp	Thistle			1				1		12	DGMW
Leontodon spp	Hawkbit									1	G
Picris echioides L.	Bristly Oxtongue									2	DHWc
Sonchus asper (L.)Hill	Prickly Sow-thistle									2	CD
ALISMATACEAE											
Alisma plantago-aquatica L.	Water Plantain									5	APR
Alisma spp	Water Plantain									15	APR
POTAMOGETONACEAE											
Potamogeton sp	Pondweed					1					APR
LEMNACEAE											
Lemna spp	Duckweed	2		38	335	57	1	1	1	21	A
JUNCACEAE											
Juncus spp	Rush	20		20	12	10	32	3	16		GMRw
CYPERACEAE											
Carex spp	Sedge									3	GMPRW
Carex flacca Schreber	Glaucous Sedge									71	G, wd
Carex hirta L.	Hairy Sedge									1	G (damp)
Carex sylvatica Hudson	Wood-sedge									1	HSW damp
Carex vulpina L.	True Fox-sedge									7	Wh/M ditches
Eleocharis palustris/uniglumis	Spike-rush									1	MPw
POACEAE											
Poaceae indet	Grass								1	8	G
TYPHACEAE											
Typha spp	Bulrush				1				2	4	PR
	Total:	**22**	**0**	**67**	**353**	**81**	**42**	**7**	**27**	**787**	

Table 10.8b Charred plant macrofossils from features at Home Ground

		buried soil	***ditch***	***ditch***	***ditch***	***lower pit fill***	***upper pit fill***	***gully***	***habitat***
	feature		F267	F267	F308	F265	F265	F243	
	context	**281**	**285**	**285**	**323**	**280**	**266**	**244**	
	sample	**145**	**139/140**	**141/142**	**152/153**	**137/138**	**135/136**	**131/132**	
Grain									
Avena sp	Oat		8	2	9		2	5	#
Hordeum sp	Barley		2	8	7	1	2	7	#
Hordeum sp (hulled)	Barley				1				#
c.f. *Hordeum* sp	Barley			3	2				#
Hordeum sp (tail grain)	Barley		5	1				1	#
Triticum sp	Wheat		9	11	32	1	3	9	#
c.f. *Triticum* sp	Wheat		1	3	24		7	8	#
Triticum sp (tail grain)	Wheat				3			4	#
Cereal indet			7	18	41	1	9	12	#
	Total:	**0**	**32**	**46**	**119**	**3**	**23**	**46**	
Chaff									
Avena sp (awns)	Oat		23	20		1	1	12	
Hordeum sp (rachis internode)	Barley				1			3	#
Triticum sp (tough rachis internode)	Free-threshing wheat	1		1	1		6	46	#
Triticum sp (basal rachis internode)	Wheat							8	#
Triticum/Hordeum sp (awns)	Wheat/barley			5		1		1	#
Triticum/Hordeum sp (awns - silicified)	Wheat/barley		5	10	50	4			#
Cereal embryo area								2	#
Poaceae culm node (silicified)	Grass			1					
	Total:	**1**	**28**	**37**	**52**	**6**	**7**	**72**	
Weeds									
CHARACEAE									
Chara sp	Stonewort							1	A
BETULACEAE									
Corylus avellana L. (nut frags)	Hazel							1f	HSW
CHENOPODIACEAE									
Atriplex sp	Orache						1	1	CDn
POLYGONACEAE									
Rumex spp	Dock				2			4	DG
BRASSICACEAE									
Brassica/Sinapis/Raphanus sp	Mustard/Rape/Cole etc		1	1			1		CD#
FABACEAE									
Lathyrus/Vicia sp	Pea/Vetch		1		1				DG
Trifolium/Medicago sp	Clover/Medick						1	1	DGR
Vicia faba L.	Celtic/Horse Bean		1	1 + f	2 + f				#
PLANTAGINACEAE									
Plantago major L.	Greater Plantain							1	CDG-o
SCROPHULARIACEAE									
Odontites/Euphrasia spp	Bartsia/Eyebright						2	2	CD
ASTERACEAE									

Anthemis cotula L.	Stinking Chamomile		6	1			3	5	CDh
JUNCACEAE									
Juncus sp	Rush							1	GMRw
POACEAE									
Poa/Phleum sp	Meadow-grass/Cat's-tail				1				G
Poaceae indet	Grasses	1					2	8	G
	Total:	**1**	**9**	**3**	**6**	**0**	**10**	**24**	

Table 10.8c Mineralised plant macrofossils from features at Home Ground

		ditch lower fill	*ditch*	*habitat*
		F.267	F.308	
	context	**285**	**323**	
MINERALISED PLANT REMAINS				
CHENOPODIACEAE				
Chenopodium sp	Goosefoots	1		various
POLYGONACEAE				
Rumex acetosella L.	Sheep's Sorrel		1	Ho, CG, a sandy
BRASSICACEAE				
Brassica/Sinapis/Raphanus sp	Mustard/Rape/Cole etc		1	CD#
FABACEAE				
Trifolium/Medicago spp	Clover/Medick		1	DGR
	Total:	**1**	**3**	

Key for habitats: see table 3.6

Table 10.9 Plant habitat groups at Home Ground

wet places: marsh, by or in ditches or streamsides

bankside/boggy places

Carex vulpina (W) True Fox-sedge
Carex spp (W) Sedge
Eleocharis palustris/uniglumis (W) Spike-rush
Juncus spp (CW) Rush
Lycopus europaeus (W) Gipsywort
Mentha spp (W) Water Mint
Ranunculus lingua (W) Greater Spearwort
Ranunculus sceleratus (W) Celery-leaved Buttercup
Rorippa nasturtiun-aquaticum (W) Water-cress
Typha spp (W) Bulrush

aquatics

Alisma plantago-aquatica (W) Water Plantain
Chara spp (C) Stonewort
Lemna spp (W) Duckweed
Potamogeton spp (W) Pondweed
Ranunculus subg. *Batrachium* (W) Water Crowfoot

brackish indicators

** *Carex flacca* (W) Glaucous Sedge

dry pasture/rough grassy places/fields

***Cirsium arvense* (W) Creeping Thistle
**Heracleum sphondylium* (W) Hogweed
Lathyrus/Vicia spp (C) Vetch
Leontodon spp (W) Hawkbit
**Odontites/Euphrasia* (C) Bartsia/Eyebright
Poa/Phleum spp (C) Meadow-grass/Cat's-tail
** *Plantago major* (CW) Greater Plantain
Poaceae (CW) Grasses
Rumex acetosella (M) Sheep's Sorrel
Torilis spp (W) Hedge-parsley
Trifolium/Medicago (CM) Clover/Medick

meadows/damp pasture

** *Carex flacca* (W) Glaucous Sedge
Carex hirta (W) Hairy Sedge
** *Conium maculatum* (W) Hemlock
** Poaceae indet (CW) Grass
Potentilla anserina (W) Silverweed
Ranunculus acris/repens/bulbosus (W) Meadow/ Creeping/Bulbous Buttercup

waste/disturbed/arable ground

Aethusa cynapium (W) Fool's Parsley
Atriplex spp (CW) Orache
Brassica/Sinapis/Raphanus spp (CM) Mustard/Rape/Cole etc
Cerastium spp (W) Chickweed
Chenopodium ficifolium (W) Fig-leaved Goosefoot
Chenopodium spp (M) Goosefoot
***Cirsium arvense* (W) Creeping Thistle
** *Conium maculatum* (W) Hemlock
**Odontites/Euphrasia* (C) Bartsia/Eyebright
Picris echioides (W) Bristly Oxtongue
** *Plantago major* (CW) Greater Plantain
** *Rubus* sect. *Glandulosus* (W) Bramble
Rumex spp (CW) Dock
Sonchus asper (W) Prickly Sow-thistle
Urtica dioica (W) Common nettle

cornfields

Anthemis cotula (C) Stinking Chamomile
Chrysanthemum segetum (W) Corn Marigold

cultivated/of economic importance

Anethum graveolens (W) Dill
Avena sp (C) Oat
Hordeum sp (C) Barley
Secale cereale (C) Rye
Triticum sp (C) Wheat
Vicia faba (C) Celtic/Horse Bean

woodland/hedgerow/scrub

Ballota nigra (W)	Black Horehound
Carex sylvatica (W)	Wood-sedge
****Cirsium arvense* (W)	Creeping Thistle
Corylus avellana (C)	Hazel
Crataegus monogyna (W)	Hawthorn
** *Heracleum sphondylium* (W)	Hogweed
Rosaceae (W)	Rose family
** *Rubus* sect. *Glandulosus* (W)	Bramble
Sambucus nigra (W)	Elder
Solanum dulcamara (W)	Bittersweet
Stachys sylvatica (W)	Hedge Woundwort

Key

** occurring in two habitat groups
*** occurring in three habitat groups
C charred
M mineralized
W waterlogged

Table 10.10 Charcoal from medieval contexts at Church Field and Home Ground (numbers of fragments identified)

context	*Alnus*	*Corylus*	*Fraxinus*	*Ilex*	Pomoideae	*Prunus*	*Quercus*	*Tilia*	bark (unidentified)
266	-	-	-	-	-	1	-	-	-
297	2	2r	4h	1	6	-	10h, 1r	-	-
504	-	-	-	-	-	-	1h	-	1 (10mm thick)
505	-	-	1	-	1	-	-	-	-
519	-	-	2	-	-	-	-	-	-
521	-	-	-	-	-	-	-	4	-

Key: h = heartwood; r = roundwood (diameter <20mm)

Table 10.11 Foraminifera from Church Field enclosure ditch F.103

depth (from top of monolith tin)	***context***	***number of tests >125μm in 10cm³ wet sediment***	***species present and total***		***ecology of individual species***
1–2cm	107	4	*Ammonia beccarii* *Haynesina germanica*	1 3	brackish–marine brackish, mid/low marsh–mudflat
8–9cm	107	8	*Haynesina germanica* *Ammonia beccarii v. limnetes* *Elphidium williamsoni*	5 2 1	brackish, mid/low marsh–mudflat brackish–marine brackish mid/low marsh
13–14cm	134	18	*Haynesina germanica* *Elphidium williamsoni* *Ammonia beccarii*	9 6 3	brackish, mid/low marsh–mudflat brackish mid/low marsh brackish–marine
28–29cm	134	1	*Elphidium williamsoni*	1	brackish mid/low marsh
32–33cm	163	0			
38–39cm	163	29	*Ammonia beccarii v. limnetes* *Haynesina germanica* *Elphidium williamsoni*	13 7 9	brackish–marine brackish, mid/low marsh–mudflat brackish mid/low marsh

Table 10.12 Foraminifera from Church Field boundary ditch F.128

depth (from top of monolith tin)	***context***	***number of tests >125μm in 10cm³ wet sediment***	***species present and total***		***ecology of individual species present***
7.5–8.5cm	144	0			
17.5–18.5cm	144	2	*Ammonia beccarii v. limnetes* *Elphidium williamsoni*	1 1	brackish–marine brackish mid/low marsh
28.5–29.5cm	150	3	*Ammonia beccarii v. limnetes* *Elphidium williamsoni*	2 1	brackish–marine brackish mid/low marsh
36–37cm	152	1	*Elphidium williamsoni*	1	brackish mid/low marsh
47–48cm	152	0			

Table 10.13 Foraminifera from Home Ground boundary ditch F.267. Depth are below present ground surface

depth	***context***	***number of forams in 10cm³ wet sediment.***	***species present***	***ecology of species present***
100cm (4.18m OD)	268	<10	*Haynesina germanica* *Elphidium williamsoni* *Ammonia beccarii*	brackish, intertidal flats brackish intertidal flats brackish–marine
110cm (4.08m OD)	285	<10	*Elphidium williamsoni*	brackish intertidal flats
120cm (3.98m OD)	285	<10	*Haynesina germanica* *Elphidium williamsoni* *Brizalina sp.* <125u	brackish, intertidal flats brackish intertidal flats marine inner shelf
130cm (3.88m OD)	285	<10	*Haynesina germanica* *Ammonia beccarii* Agglutinated sp.	brackish intertidal flats brackish–marine high marsh

Table 10.14 Mollusca from Puxton Dolemoor, Church Field and Home Ground, nomenclature following Kerney (1999)

	Dolemoor		Church Field					Home Ground				
Feature (context)	(361)	F.311 (373)	F.156 (157)	F. 128 (152)	F.135 (131)	F. 140 (141)	F.103 (134)	F.308 (323)	F.267 (285)	F.265 (280)	F.209 (230)	321
Valvata cristata	-	-	-	-	-	-	-	-	-	-	1	-
Valvata macrostoma	-	-	-	1	-	-	-	-	-	-	-	-
Valvata piscinalis	1	-	-	5	-	1	1	2	-	-	-	-
Hydrobia ventrosa	48	1	-	1	-	-	-	2	-	13	2	300+
Hydrobia ulvae	-	-	-	-	-	-	-	-	-	-	5	50
Ovatella myosotis	-	-	-	1	-	-	-	-	-	-	-	-
Aplexa hypnorum	-	-	-	2	-	-	-	-	-	-	-	-
Bithynia tentaculata	-	-	-	4	-	-	-	1	-	-	-	-
Lymnaea palustris	-	5	-	1	-	1	-	-	4	-	-	-
Lymnaea truncatula	-	2	-	-	-	-	-	-	11	-	8	-
Lymnaea peregra	-	24	-	32	-	15	33	3	13	-	9	-
Anisus leucostoma	6	56	-	63	-	200+	90	2	200+	-	82	-
Bathyomphalus contortus	-	-	-	-	-	-	-	-	-	-	1	-
Gyraulus albus	-	-	-	2	-	-	-	-	-	-	-	-
Gyraulus crista	1	32	-	6	-	500+	41	-	-	-	4	-
Planorbis planorbis	-	-	-	-	-	-	-	-	-	-	3	-
Succineidae	-	3	59	-	-	-	1	-	1	-	3	-
Carychium minimum	-	-	-	20	-	10	11	1	-	-	4	-
Carychium tridentatum	-	-	-	7	-	-	3	-	-	-	1	-
Cochlicopa lubrica	-	-	-	17	-	4	45	-	23	-	8	-
Vertigo pygmaea	-	-	-	3	-	-	4	1	2	-	1	-
Pupilla muscorum	3	-	-	-	-	-	-	-	-	-	1	-
Vallonia costata	-	-	-	7	1	5	24	6	3	-	16	-
Vallonia excentrica	-	-	-	-	-	-	1	1	-	-	1	-
Vallonia sp.	15	-	-	-	-	4	5	-	-	-	-	-
Discus rotundatus	-	-	-	37	4	1	-	-	-	-	17	-
Vitrea spp.	-	-	-	22	-	-	25	-	5	-	3	-
Nesovitrea hammonis	-	-	-	3	-	4	-	2	2	2	2	-
Aegopinella nitidula	-	-	-	6	-	-	49	-	22	-	39	-
Oxychilus cellarius	-	-	-	11	-	9	10	-	2	-	4	-
Cecilioides acicula	-	-	-	34	-	-	2	-	4	1	-	-
Clausilia bidentata	-	-	-	-	-	-	-	-	-	-	2	-
Trichia hispida	-	-	-	7	1	39	41	2	72	1	117	-
Helix aspersa	-	-	-	-	-	-		1	5	-	7	-

Table 10.15 Marine shellfish from Church Field and Home Ground

feature	context	date	*Littorina*	*Patella*	*Ostrea*	*Cardium*	*Mytilus*	*Venus*
			littorea	*vulgata*	*edulis*	*edule*	*edulis*	*striatula*
CHURCH FIELD								
F.518	519	C11th–12th			1			
F.526	527	C11th–12th			3			
	528	C11th–12th			12			
F.531	522	C11th–12th			2			
F.103	108	C12th–13th	1					
F.115	116	C12th–13th	12		2			
F.119	120	C12th–13th			5			
F.128	130	C12th–13th			5			
	132	C12th–13th	1		1			
	144	C12th–13th			1			
F.135	131	C12th–13th	27	1 (a)	4			
	149	C12th–13th	10		2			
F.154	155	? C12th–13th	1	1 (a)				
F.510	517	C12th–13th	2	1 (a)	2			
	525	C12th–13th	2					
occupation layers	106/118	C12th–13th	19		7			
	121	C12th–13th	1					
	133	C12th–13th	2		1			
	151	C12th–13th	6		2			
	504	C12th–13th	2	1 (a)	2			
	505	C13	3		1			
F.140	109	C17th–18th	2	2 (1a)	1			
	141	C17th–18th	2					
HOME GROUND								
F.203	279	C12th–13th			1			
‘garden soil’	213	C14th – 15th			1			
	245	C14th – 15th			1			
Occupation	353	C16th			1		1	

layer								
F.207	208	C16th–18th					1	
F.203	233	C17th–18th			1			
F.209	230	C17th–18th			1			
F.308	309	C17th–18th	2		21	2	20	
	323	C17th–18th			2		34	
occupation layer	211	C17th–18th		1				
	222	C17th–18th		1	2			
topsoil	350	–		2 (s)	12	1	1	1

Table 10.16 Identifications of large mammal bone by species and element for Churchfield (all contexts) given as NISPs with species totals also given in form of MNEs and MAUs

element	***Bos***	***Ovicaprid***	***Sus***	***Equus***	***Capreolus***	***Canis***	***Felis***	***Lepus***
Horn Core/Antler	6	0	-	-	1	-	-	-
Maxilla	5	7	30	0	0	1	0	0
Mandible	27	21	31	0	1	0	2	1
Occipitus	4	0	0	2	0	1	0	0
Atlas	1	0	1	0	0	0	0	0
Axis	0	1	0	0	0	0	0	0
Scapula	9	6	13	1	0	0	0	0
P. Humerus	12	3	5	1	0	0	2	2
D. Humerus	25	9	19	1	0	1	4	1
P. Radius	11	16	6	1	3	0	1	0
D. Radius	7	12	3	1	1	0	1	0
Ulna	10	0	9	0	1	1	0	1
P. Metacarpal	7	11	10	1	0	0	0	0
D. Metacarpal	7	6	6	1	0	0	0	0
Pelvis	16	7	4	0	0	0	3	0
P. Femur	13	8	6	0	0	1	0	0
D. Femur	14	5	4	0	0	1	0	1
P. Tibia	11	13	9	0	1	0	0	2
D. Tibia	12	21	5	0	1	1	0	2
Astragalus	8	3	5	2	0	0	0	0
Calcaneum	9	1	6	0	0	0	0	3
P. Metatarsal	0	6	10	0	0	0	0	1
D. Metatarsal	5	7	7	0	0	1	0	0
1st Phalange	15	3	11	0	0	0	0	1
2nd Phalange	9	0	4	1	0	0	0	0
3rd Phalange	5	1	5	0	0	0	0	0
TOTAL NISP	**248**	**167**	**209**	**12**	**9**	**8**	**13**	**15**
TOTAL MNE	**232**	**159**	**197**	**12**	**9**	**8**	**13**	**15**
TOTAL MAU	**215.25**	**157**	**166.5**	**13.5**	**9**	**8.25**	**13**	**13.375**

Table 10.17 Identifications of large mammal bone by species and element for Churchfield (medieval contexts) given as NISPs with species totals also given in form of MNEs and MAUs

element	***Bos***	***Ovicaprid***	***Sus***	***Equus***	***Capreolus***	***Canis***	***Felis***	***Lepus***
Horn Core/Antler	6	0	-	-	1	-	-	-
Maxilla	4	6	23	0	0	0	0	0
Mandible	25	18	24	0	1	0	1	0
Occipitus	3	0	0	1	0	1	0	0
Atlas	1	0	1	0	0	0	0	0
Axis	0	1	0	0	0	0	0	0
Scapula	9	6	11	0	0	0	0	0
P. Humerus	9	3	3	0	0	0	2	1
D. Humerus	16	9	14	0	0	0	4	1
P. Radius	9	12	4	1	3	0	1	0
D. Radius	6	8	2	1	1	0	1	0
Ulna	10	0	8	0	1	1	0	1
P. Metacarpal	6	7	10	1	0	0	0	0
D. Metacarpal	5	5	5	1	0	0	0	0
Pelvis	13	5	3	0	0	0	3	0
P. Femur	11	7	5	0	0	1	0	0
D. Femur	11	4	3	0	0	1	0	1
P. Tibia	8	12	5	0	1	0	0	1
D. Tibia	10	16	2	0	1	0	0	1
Astragalus	7	3	3	2	0	0	0	0
Calcaneum	8	1	4	0	0	0	0	2
P. Metatarsal	0	3	9	0	0	0	0	0
D. Metatarsal	3	5	7	0	0	1	0	0
1st Phalange	15	2	10	0	0	0	0	0
2nd Phalange	7	0	3	1	0	0	0	0
3rd Phalange	5	1	5	0	0	0	0	0
TOTAL NISP	**207**	**134**	**164**	**8**	**9**	**5**	**12**	**8**
TOTAL MNE	**197**	**130**	**157**	**6**	**9**	**5**	**12**	**8**
TOTAL MAU	**177.75**	**128.75**	**129**	**6.5**	**9**	**5.25**	**12**	**8**

Table 10.18 Identifications of large mammal bone by species and element for Home Ground (medieval contexts) given as NISPs with species totals also given in form of MNEs and MAUs

element	***Bos***	***Ovicaprid***	***Sus***	***Equus***	***Dama***	***Canis***	***Felis***
Horn Core/Antler	0	0	0	-	0	-	-
Maxilla	0	0	1	0	0	0	0
Mandible	0	0	1	0	0	0	0
Occipitus	0	0	0	0	0	0	0
Atlas	1	0	0	0	0	0	0
Axis	0	0	0	0	0	0	0
Scapula	1	1	0	0	0	0	0
P. Humerus	0	0	1	0	0	0	0
D. Humerus	0	2	2	0	0	0	0
P. Radius	1	1	0	0	0	0	0
D. Radius	2	0	0	0	0	0	0
Ulna	0	1	0	0	0	0	0
P. Metacarpal	1	2	2	0	0	0	0
D. Metacarpal	1	0	0	0	0	0	0
Pelvis	2	2	4	0	0	0	0
P. Femur	0	0	0	0	0	0	0
D. Femur	1	0	0	0	0	0	0
P. Tibia	1	2	0	0	0	0	0
D. Tibia	1	2	3	0	0	0	0
Astragalus	1	0	0	0	0	0	0
Calcaneum	3	1	1	0	0	0	0
P. Metatarsal	1	1	0	0	0	0	0
D. Metatarsal	1	1	0	0	0	0	0
1st Phalange	0	0	0	0	0	0	0
2nd Phalange	2	0	2	0	0	0	0
3rd Phalange	0	0	0	0	0	0	0
TOTAL NISP	**20**	**16**	**17**	**0**	**0**	**0**	**0**
TOTAL MNE	**20**	**16**	**17**	**0**	**0**	**0**	**0**
TOTAL MAU	**19.5**	**16**	**14.5**	**0**	**0**	**0**	**0**

Table 10.19 Identifications of large mammal bone by species and element for Home Ground (post-medieval contexts) given as NISPs with species totals also given in form of MNEs and MAUs

element	***Bos***	***Ovicaprid***	***Sus***	***Equus***	***Dama***	***Canis***	***Felis***
Horn Core/Antler	0	0	0	-	0	-	-
Maxilla	0	1	3	0	0	0	0
Mandible	2	0	2	0	0	0	2
Occipitus	1	0	0	0	0	0	0
Atlas	0	0	0	0	0	0	0
Axis	0	0	0	0	0	0	0
Scapula	2	1	1	0	0	0	0
P. Humerus	2	3	5	0	0	0	0
D. Humerus	4	7	7	0	0	0	0
P. Radius	3	3	4	0	0	0	0
D. Radius	3	0	2	0	0	0	0
Ulna	0	0	7	0	0	0	1
P. Metacarpal	2	2	1	0	0	0	0
D. Metacarpal	2	2	0	0	0	0	0
Pelvis	5	3	0	0	0	0	0
P. Femur	3	0	0	0	0	0	0
D. Femur	4	0	0	0	0	0	0
P. Tibia	2	2	2	1	0	0	0
D. Tibia	2	7	5	0	0	0	0
Astragalus	2	2	1	0	0	0	0
Calcaneum	3	0	3	0	0	0	0
P. Metatarsal	2	2	1	0	0	1	0
D. Metatarsal	5	2	1	0	0	1	0
1st Phalange	5	1	1	0	1	0	0
2nd Phalange	8	0	2	1	0	0	0
3rd Phalange	2	1	2	0	0	0	0
TOTAL NISP	**64**	**39**	**50**	**2**	**1**	**2**	**3**
TOTAL MNE	**63**	**38**	**48**	**2**	**1**	**2**	**3**
TOTAL MAU	**53.5**	**36.5**	**42.75**	**1.5**	**0.25**	**0.5**	**3**

Table 10.20 Bird bone from Church Field

feature	context	stork	goose	mallard/domestic duck	other duck s	f owl	crane	heron	waders	raptors	pigeons	raven	other corvid	passerine	unident.	totals
topsoil	100	-	1	-	2	3	-	-	-	1	-	-	-	1	6	14
"	101	-	-	-	-	1	-	-	-	1	-	-	-	1	3	6
17th/18th century																
F.128	109	-	-	-	-	1	-	-	-	9	-	-	-	-	-	10
"	129	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
F.140	141	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2
12th/13th century																
F.115	116	-	-	-	-	4	1	-	-	-	-	-	-	-	3	8
F.119	120	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
F.122	123	1	-	-	-	-	-	-	1	2	-	-	-	-	-	4
F.128	150	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
F.135	131	-	-	1	1	2	-	-	1	10	1	-	-	-	1	17
"	136	-	-	-	-	5	1	-	-	6	-	-	-	-	-	12
"	145	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
F.135	149	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2
F.510	511	-	-	1	-	2	-	-	-	1	-	-	2	-	-	6
"	517	-	2	-	-	-	-	-	-	-	-	-	-	-	2	4
F.512	513	-	1	-	1	1	-	-	-	-	-	-	-	-	-	3
F.518	519	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
F.520	521	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
"	533	-	1	-	1	1	-	-	-	-	-	-	-	-	1	4
F.526	527	-	2	2	1	6	-	-	-	-	-	-	-	-	1	12
"	528	-	1	-	1	1	-	-	-	-	-	-	-	-	-	3
occupation layer	106	-	-	1	-	1	-	-	-	-	-	2	-	-	3	7
"	118	-	1	1	-	-	-	-	-	-	-	-	1	-	2	5
"	133	-	-	-	-	1	-	-	-	3	-	-	-	-	-	4
"	151	-	1	-	-	2	-	-	-	-	-	1	-	-	1	5
"	504	-	1	4	2	7	-	-	1	1	-	-	-	-	4	20
"	505	-	-	5	2	1	-	1	1	1	-	-	-	-	-	11
	Total	1	11	15	11	42	2	1	6	37	1	4	4	2	28	165
	%	*0.6*	*6.7*	*9.1*	*6.7*	*25.5*	*1.2*	*0.6*	*3.6*	*22.4*	*0.6*	*2.4*	*2.4*	*1.2*	*17*	
	% goose, duck and fowl		*16.2*	*22.1*		*6 1.8*										*68*

HERON grey heron, *Ardea cinerea*
STORK stork, cf. white, *Ciconia ciconia*
GOO domestic goose or greylag, *Anser anser*
ANAS/D domestic duck or mallard, *Anas platyrhynchos*
ANA SPP other duck, cf. wigeon, *Anas penelope*, and teal, *Anas crecca*
RAPTOR raptor, cf. buzzard, *Buteo buteo*, goshawk, *Accipiter gentilis*, and marsh harrier, *Circus aeruginosus*
FOW domestic fowl
TURKEY turkey, *Meleagris gallopavo*
CRANE crane, *Grus grus*
WADER cf. woodcock, *Scolopax rusticola*, and smaller waders
CURLEW..... .....curlew, *Numenius arquata*
COL FAM..... .....pigeon, *Columba sp.*
OWL owl cf. tawny, *Strix aluco*
RAVEN raven, *Corvus corax*
CORVID corvid cf. rook/crow, *Corvus corone/frugilegus*, and jay, *Garrulus glandarius*
PASSER small passerines, songbirds of thrush and sparrow size
BIR bird bone fragments, probably mostly fowl

AMPH amphibian, includes common frog, *Rana temporaria*

CONGER..... .....conger eel, *Conger conger*

FIS fish bones not identified to family or species.

Table 10.21 Bird bone from Home Ground

feature	***context***	***goose***	***m/dom. duck***	***f owl***	***turkey***	***raptors***	***owl***	***corvid***	***passerine***	***unident.***	***Totals***
topsoil	201	-	-	1	-	-	-	-	-	1	**2**
17th/18th century											
F.203	204	-	1	-	-	-	-	-	-	-	**1**
F.205	206	-	-	-	-	-	1	-	-	-	**1**
"	227	-	-	-	-	-	2	-	-	-	**2**
F.209	210	-	-	-	1	-	-	-	-	-	**1**
F.207	215	-	-	-	-	-	-	-	-	1	**1**
F.308	309	-	-	4	-	-	-	1	-	-	**5**
-	221	1	-	-	-	-	-	-	-	-	**1**
14th-16th century											
F.203	264	-	-	-	-	-	-	-	1	-	**1**
F.312	313	-	-	-	-	1	-	-	-	-	**1**
353	-	1	-	-	-	-	-	-	-	-	**1**
12th/13th century											
F.243	244	-	-	1	-	-	-	-	-	-	**1**
F.265	266	1	-	-	-	-	-	-	-	-	**1**
F.267	268	-	-	1	-	-	-	-	-	-	**1**
F.304	305	-	-	-	-	-	-	-	-	1	**1**
	Total	**3**	**1**	**7**	**1**	**1**	**3**	**1**	**1**	**3**	**21**
	%	***14.3***	***4.8***	***3 3.3***	***4.8***	***4.8***	***1 4.3***	***4.8***	***4.8***	***14.3***	
% goose, duck and fowl		***27.3***	***9.1***	***6 3.6***							*11*

Table 10.22 Minimum Number of Individuals of small mammals by phase at Church Field and Puxton

		Churchfield			***Home Ground***	
species	***common Name***	***C12–C13***	***C17–C18***	***topsoil***	***C12–C13***	***C17–C18***
Mus musculus	House mouse	2	-	-	-	-
Apodemus sp.	Wood mouse	2	-	-	1	-
Microtus agrestis	Field vole	2	1	-	-	4
Arvicola terrestis	Water vole	1	-	-	-	2
Sorex araneus	Common shrew	2	-	-	2	1
Talpa europaea	Mole	-	-	1	-	-
Erinaceus europaeus	Hedgehog	-	-	1	-	-

Table 10.23 Taxonomy of the small mammal species identified from the upper fill of ditch F.205 (context 227)

class	order	family	species	common names
Mammalia	Rodentia	Cricetidae	*Microtus agrestis*	Field vole, Short tailed vole
			Clethrionomys glareolus	Bank vole
			Arvicola terrestris	Water vole
		Muridae	*Micromys minutus*	Harvest mouse, Red mouse
			Mus musculus	House mouse
			Apodemus sp.	Wood mouse &/or yellow-necked mouse
			Rattus sp.	Rat
	Insectivora	Soricidae	*Sorex araneus*	Common shrew
			Sorex minutus	Pygmy shrew
		Talpidae	*Talpa europaea*	Mole
Amphibia	Anura	Ranidae	*Rana temporaria*	Common frog
			Rana sp.	

Table 10.24 MNI of mammal species identified from the small mammal cranial material from the upper fill of ditch F.205 (context 227)

species	skull			mandible		MNI
	‘whole ’*	right side	left side	right	left	
Field vole (*Microtus agrestis*)	5	1	1	13	13	**13**
Bank vole (*Clethrionomys glareolus*)	1	-	1	3	3	**3**
Water vole (*Arvicola terrestris*)	1	-	-	-	1	**1**
Unidentified voles	68	-	3	56	58	**71**
Harvest mouse (*Micromys minutus*)	-	-	1	-	-	**1**
House mouse (*Mus musculus*)	-	1	2	2	2	**2**
“Wood mouse” (*Apodemus* sp.)	-	10	10	2	9	**10**
Rat (*Rattus* sp.)	-	-	-	1	-	**1**
Unidentified Murinae	-	-	-	1	2	**2**
Common shrew (*Sorex araneus*)	7 + 29	7	14	62	57	**62**
Pygmy Shrew (*Sorex minutus*)	5	-	-	3 + 2	2 + 5	**8**
Mole (*Talpa europaea*)	-	-	-	1	-	**1**
Unknown ?insectivore	-	-	-	1	-	**1**
Total small mammal Fauna						**176**

* ‘Whole’ skulls refers to specimens where the snout and palate region was in one piece, even if the cranium was broken or missing. Where two figures are given, the first represents larger (‘adult’) specimens and the second is smaller (‘juvenile’) specimens.

Table 11.1 Summary of phasing and broad environmental/landscape conditions at the excavated sites

phase	***date***	***natural environment***	***cultural landscape***
10	modern	freshwater (reclaimed)	• topsoil
9	*c* 18th – 19th century	freshwater (reclaimed)	• latest infilling of ditches/gripes at Church Field and Home Ground
8	17th century	freshwater (reclaimed)	• re-occupation at Home Ground
7	14th to 16th century	freshwater (reclaimed)	• agricultural landscape
6	late 11th to 13th century	freshwater (reclaimed)	• occupation in Church Field and Home Ground
5	?*c* late 10th/early 11th century	decrease in inundation?	• 'summer/ring dike' at Church Field • earliest features within Church Field (on a different orientation to the 12th-13th century ditched enclosure)
4	Early Medieval	intertidal saltmarsh	• alluvium above upper dark horizon
3	Late Romano-British	freshwater (reclaimed)	• upper dark horizon (buried soil) at Home Ground and Hardingworth • upper fill of ditched enclosure system at Dolemoor • drainage ditch/gullies beneath later bank in Church Field
2b	Early Romano-British	decrease in inundation?	• creation and lower fill of ditched enclosure system at Dolemoor
2a	Late Iron Age/ Early Romano-British	intertidal saltmarsh	• salt production at Dolemoor • alluvium above the dark horizon at Home Ground
1	Middle Iron Age	decrease in inundation	• lower dark horizon at Home Ground
0	pre Middle Iron Age	intertidal saltmarsh	• alluvium below lower dark horizon at Home Ground

Table 11.2 Modern plant species associated with poaching and spoil banks beside ditches and rhymes (after Bailey *et al* 1998)

examples of taxa associated with poaching	**examples of taxa associated with ditch spoil banks**
Bidens tripartita *	*Atriplex (patula)* *
Chenopodium rubrum *	*Cirsium (arvense)* *
Juncus (bufonius) *	*Epilobium hirsutum*
Ranunculus sceleratus *	*Rumex (crispus)* *
Rorippa palustris	*Tripleurospermum inodorum*
Rumex (maritimus) *	*Urtica dioica* *
	(* taxa also found on Puxton Moor)

Table 11.3: The earlier Romano-British landscape and its associated ditched enclosure system at Puxton Dolemoor F.365 (lower cut, basal fills): zonation of plant communities with associated snail faunas

THE WIDER ENVIRONMENT			THE LOCAL ENVIRONMENT	
WOODLAND (on higher ground around margins of Severn Estuary)	**MARINE**	**MARINE BRACKISH/BRACKISH**	**DITCH MARGIN/AQUATIC**	**DISTURBED GRASSLAND**
Quercus (p)	*Paralia sulcata* (pmd)	*Pseudopodosira westii* (spmbd)	*Potamogeton* (p)	Poaceae (p)
Alnus glutinosa (p)	*Rhaphoneis* (md)	*Nitzschia navicularis* (bd)	*Sparganium emersum* type (p)	*Plantago lanceolata* (p)
Corylus type (p)	*Podosira stelligera* (md)	*Caloneis westii* (bd)		*Artemisia* type (p)
Ulmus (p)	*Cymatosira belgica* (md)	*Diploneis interrupta* (bd)		Brassicaceae (p)
Tilia (p)		*Navicula digitoradiata* (bd)		Lactuceae (p)
Pinus (p)		*Nitzschia punctata* (bd)		
Betula (p)	**SALTMARSH COMMUNITIES**			
	Chenopodiaceae (p)			
	Solidago virgaurea (p)			
	Plantago maritima (p)			
	Plantago coronopus (p)			

Key: bd = brackish diatoms; mbd = marine/brackish diatoms; md = marine diatoms; p = pollen; pmd = planktonic marine diatoms; spmd = semi-planktonic marine diatoms

Table 11.4: The later Romano-British landscape and its associated ditched enclosure system at Puxton Dolemoor F.365 (lower cut, middle/upper fills): zonation of plant communities with associated snail faunas

THE WIDER ENVIRONMENT			THE LOCAL ENVIRONMENT			
			FRESHWATER INDICATORS			
WOODLAND	**GRASSLAND**	**DISTURBED GROUND**	**MARSH PLANTS**	**SWAMP PLANTS**	**FLOATING-LEAVED PLANTS**	**TOTALLY SUBMERGED ROOTED PLANTS**
Quercus (p)	*Plantago major* (mp)	Lactuceae (p)	*Filipendula* (p)	*Cladium mariscus* (m)	*Potamogeton* (mp)	*Potamogeton* (mp)
Betula (p)	*Potentilla anserina* (m)	*Atriplex* (m)	*Ranunculus lingua* (m)	*Typha* (mp)	*Hippuris vulgaris* (m)	*Zanichellia palustris* (m)
Pinus (p)	*Rumex acetosella* (p)	*Polygonum aviculare* (m)	*Oenanthe fistulosa* (m)	*A. plantago-aquatica* (m)	*R.nasturtium aquaticum* (m)	*Chara* (m)
Ulmus (p)	*Prunella vulgaris* (m)	*Stellaria media* (m)	*O. pimpinelloides* (m)	*Schoenoplectus lacustris* (m)	*Ranunculus* subg *Batrachium* (m)	*Ceratophyllum demersum* (m)
Corylus type (p)	*Rhinanthus minor* (m)	*C. rubrum/glaucum* (m)	*Lycopus europaeus* (m)	*Phragmites* (m)	*M. spicatum* (m)	**FLOATING PLANTS**
Alnus (p)	*Plantago lanceolata* (p)	*Rubus* sect *Glandulosus* (m)	*Carex* (m) /Cyperaceae (p)	*Menyanthes trifoliata* (p.m)		*Lemna* (mp)
Tilia (p)	*Juncus* (m)	Brassicaceae (p)	*Juncus* (m)		**AQUATIC & WATER FAUNA**	
	Carex (m) /Cyperaceae (p)	*Sonchus asper* (m)	*Glyceria* (m)		Cladoceran ephyppia (water flea egg cases)	*Lophopus crystallinus*
	Ranunculus acris-type (p)	*Hyosycamus niger* (m)	*Apium nodiflorum* (m)		Leech cocoons	Caddis fly larvae
	R. sardous (m)	*Sambucus niger* (m)	*Mentha aquatica* (m)		**ALGAE**	
	R. acris/repens/bulbosus (m)	*Sonchus oleraceus* (m)	*Ranunculus sceleratus* (m)		*Spirogyra* (s)	*Mougeotia* (s)
	Poaceae (p)		*Hydrocotyle vulgaris* (m)		**FRESHWATER DIATOMS**	
	Rumex (m)		*Eleocharis palustris/uniglumis* (m)		*Epithemia turgida* - epiphytes	
	Taraxacum sect *Ruderalia* (m)		*Rumex hydrolapathum* (m)	*S. emersum*-type (p)	*Rhoicosphaenia curvata* epiphytes	
	Cirsium/Carduus (m). *Cirsium arvense* (m) *Cirsium* type (p)		*Carex vulpina* (m)		*Amphora veneta*	
					Surirella ovata submerged mud	
	BRACKISH INDICATORS					
		SALTMARSH	**SEMI-TERRESTRIAL DIATOMS**		**MARINE PLANKTONIC DIATOMS**	**BRACKISH WATER DIATOMS**
		Solidago virgaurea-type (p)	*Hantzschia amphioxys*		*Paralia sulcata*	*Synedra tabulate* - epiphyte
		Plantago coronopus (p)	*Pinnularia microstauron*		*Cymatosira belgica*	*Synedra pulchella* -epiphyte
		Plantago maritima (p)				
		Suaeda maritima (m)				
		Triglochin maritima (m)				
		S. tabernaemontani (m)				
		Chenopodiaceae (p)				

Table 11.5: The 11th/12th century landscape associated with the ditched enclosure system at Church Field: zonation of plant communities with associated snail faunas

THE WIDER ENVIRONMENT			THE LOCAL ENVIRONMENT		
WOODLAND	**GRASSLAND**	**DISTURBED GROUND**	**MARSH PLANTS**	**BANKSIDE PLANTS**	**FLOATING PLANTS**
Quercus (p)	*Plantago major* (m)	*Atriplex* (m)	*Ranunculus lingua* (m)	*Carex vulpina* (m)	*Lemna* (mp)
Betula (mp)	*Plantago lanceolata* (p)	*Chenopodium ficifolium* (m)	*Lycopus europaeus* (m)	*Carex riparia* (m)	**FLOATING-LEAVED PLANTS**
Pinus (p)	Cyperaceae (p)/*Carex* (m)	Chenopodiaceae (p)	Cyperaceae (p)/*Carex* (m)	*A. plantago-aquatica* (m)	*Potamogeton* (mp)
Fagus (p)	*Juncus* (m)	Lactuceae (p)	*Juncus* (m)	*Typha* (mp)	*R.* subg *Batrachium* (m)
Corylus (mp)	*Solidago virgaurea* type (p)	*Conium maculatum* (m)	*Eleocharis palustris/uniglumis* (m)		*Menyanthes trifoliata* (p)
Alnus (p)	*Ranunculus acris/repens/bulbosus* (m)	*Cerastium* (m)	*Lysimachia* (p)		**TOTALLY SUBMERGED ROOTED PLANTS**
Acer (p)	*Ranunculus sardous* (m)	*Stellaria media* (m)	*R. sceleratus* (m)		*Potamogeton* (p.m)
Fraxinus (p)	*Ranunculus acris* type (p)	*Rubus* sect *Glandulosus* (m)			*Chara* (m)
Salix (p)		Brassicaceae (p)	**SMALL MAMMALS/BIRDS**	**AQUATIC SNAILS**	
	Rumex (mp)		Water Vole	*Valvata piscinalis*	
	Cirsium arvense (m) *Cirsium vulgare* (m) *Cirsium* (p)		Marsh Harrier	*Lymnaea peregra*	
	Poaceae (mp)		Heron	*Bithynia tentaculata*	
		Sambucus niger (m)		*Aniscus leucostoma*	
		Urtica dioica (m)		*Gyraulus crista*	
		Sonchus asper (m)	**CULTIVATED/OF ECONOMIC IMPORTANCE**		
		Odontites/Euphrasia (m)	**Crops**	**Food remains**	
		Centaurea cyanus (p)	*Triticum*	*Ficus carica*	Cattle
		Anthemis cotula (m)	*Avena*	*Vitis vinifera*	Sheep/Goat
	TERRESTRIAL SNAILS		*Hordeum*	Brassicaceae (p)	Pig
	Damp well vegetated/shade	Drier , more open habitat	*Secale cereale*	Egg shell	Duck
	Carychium tridentatum	*Vallonia costata*	*Pisum sativum*	Fish scales/vertebrae	Goose
	Discus rotundatus	*Vertigo pygmaea*	*Vicia faba*		Chicken
	Aegopinella nitidula		*Linum usitatissimum*		Roe/Fallow Deer
	Oxychilus cellarius			**RARITIES**	
	SMALL MAMMALS/BIRDS			Goshawk	
	Wood Mouse Common Shrew	Rook/Crow		(White) Stork	
	Mole Hedgehog	Raven			
	Field Vole	Jay			