

TABLE 9.1 SITES BELONGING TO THE DIFFERENT REGIONS

REGION	SITES	SAMPLES
SOUTHAMPTON	Six Dials	13
	Owslebury	14
	Newport Roman Villa, IOW	2
	11 The Hundred, Romsey	1
	Solent modern oyster beds	13
POOLE	Poole Bay	2
	South Deep, Poole Harbour	2
	Wych Channel, Poole Harbour	1
	Thames Street, Poole	4
	Paradise Street, Poole	2
	Ower Farm	1
	Corfe Castle	5
	Lodge Farm, Kingston Lacey	1
	Greyhound Yard, Dorchester	12
	Alington Avenue, Dorchester	3
Halstock Roman Villa	1	
NORTH WESSEX AND LONDON	Ludgershall Castle, Andover	7
	39 Brown Street, Salisbury	3
	Reading Abbey Wharf	5
	Cross Street, Wokingham	1
	Moorgate & Coleman St London	4
	Guildhall House, London	2
	Pudding Lane, London	4
EAST COAST	Bury St Edmund's Abbey	3
	Burrow Hill	3
	Leiston Abbey	1
	Colchester (Roman)	2
	Colchester Feast (modern)	1
	River Colne	1
	River Roach	1
	North Shoebury	6

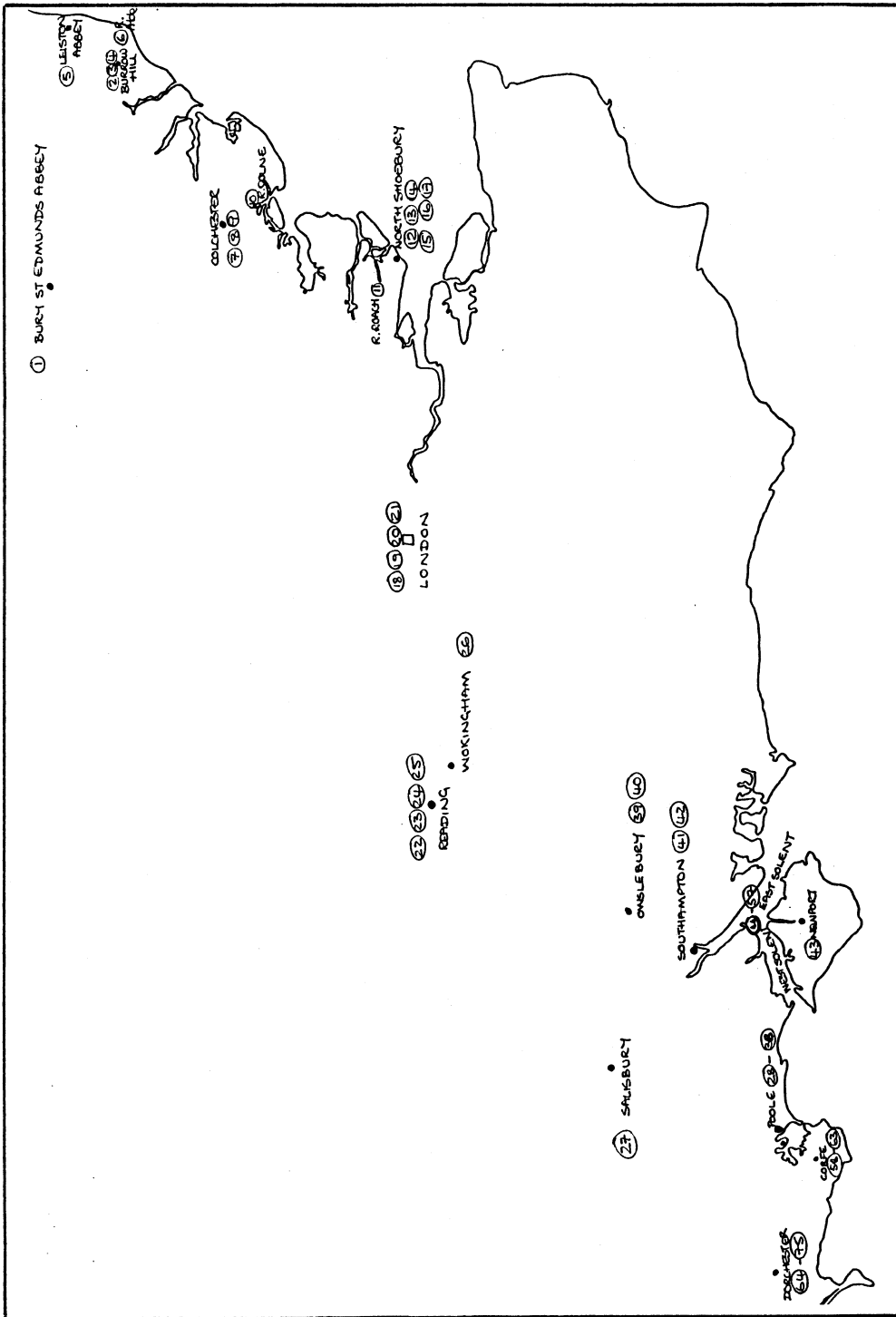


Figure 1. Sketch map of whole area showing locations where oyster shell samples were excavated or collected

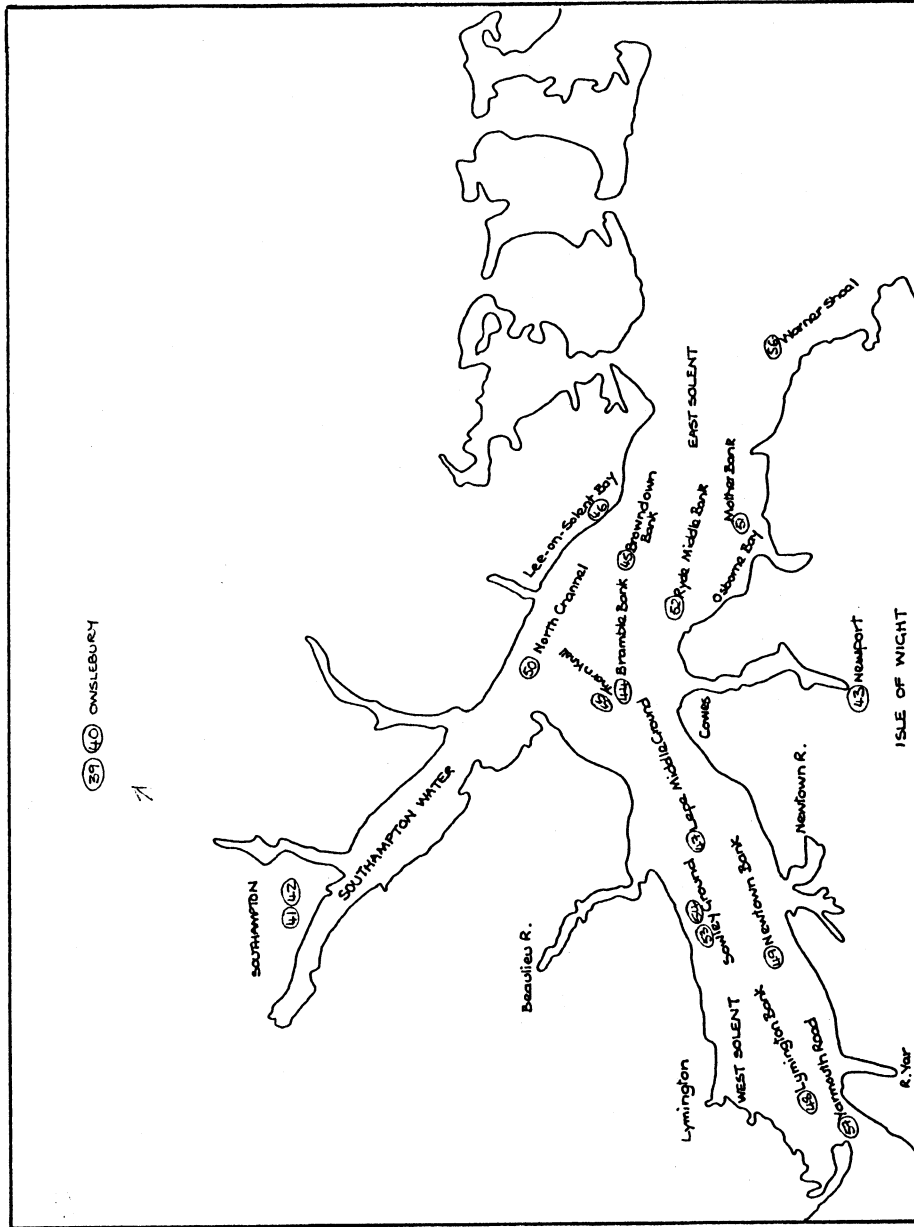


Figure 9.2 Sketch map of the Solent and Southampton region showing where oyster shell samples were excavated or collected

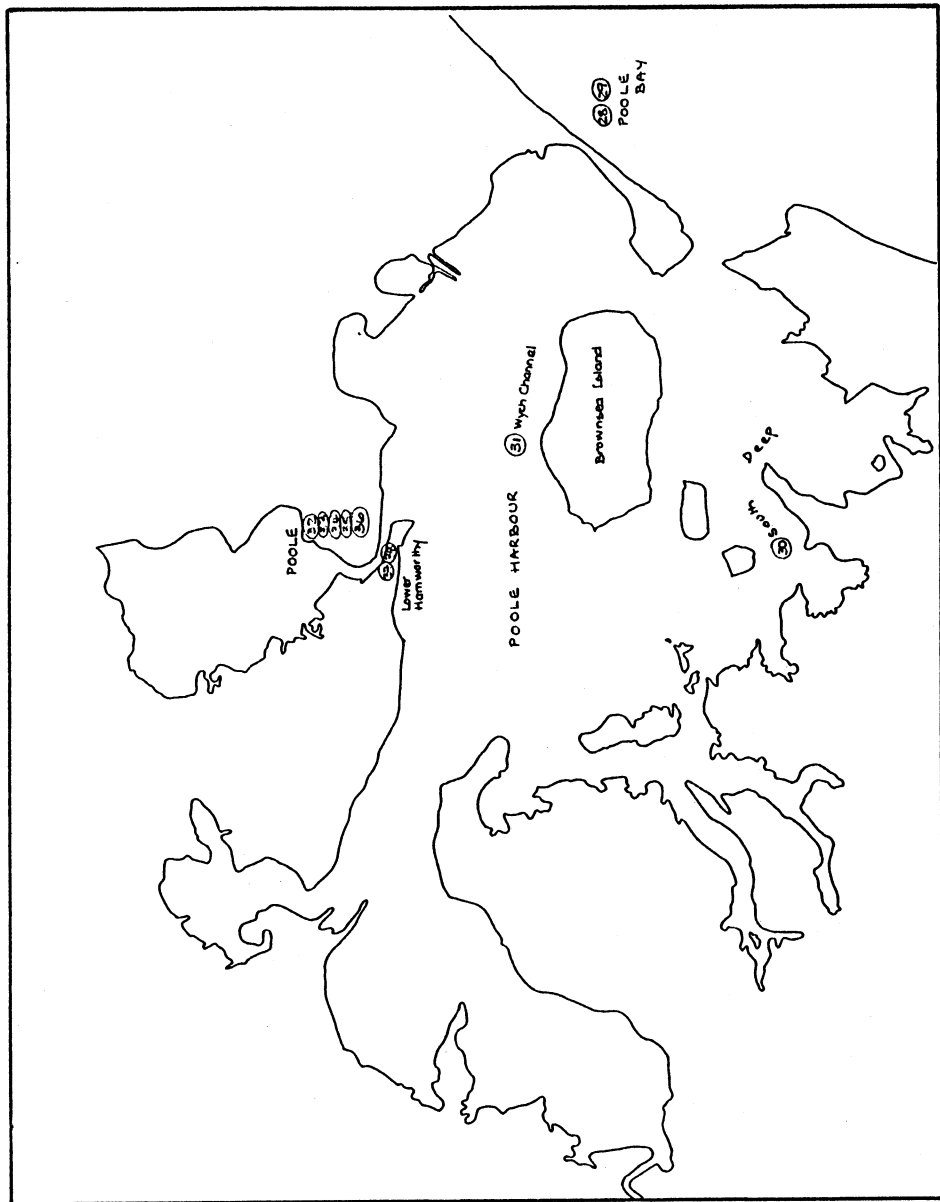


Figure 9.3 Sketch map of the Poole Harbour area showing where oyster shell samples were excavated or collected

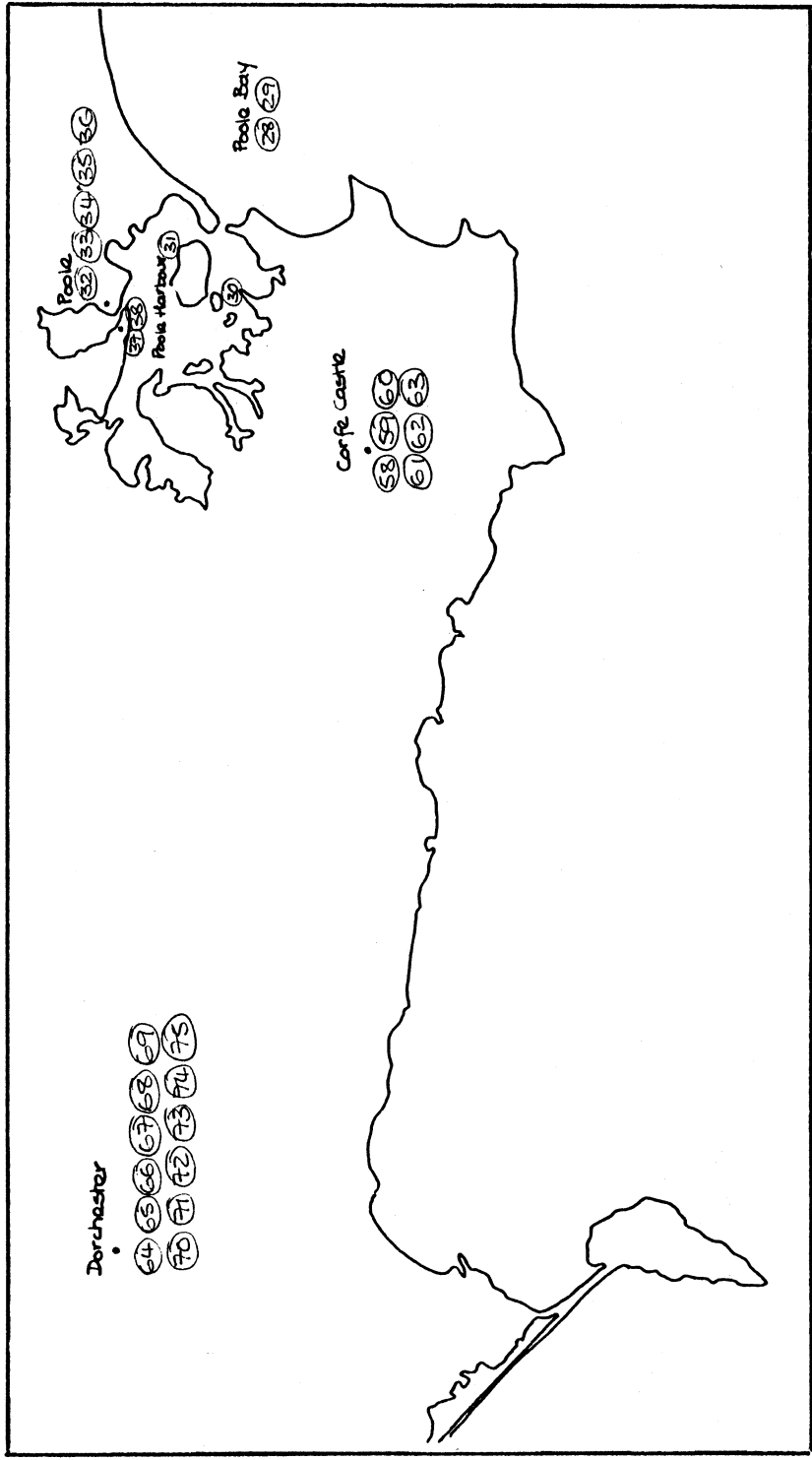


Figure 9.4 Sketch map of the Poole region showing where oyster shell samples were excavated or collected

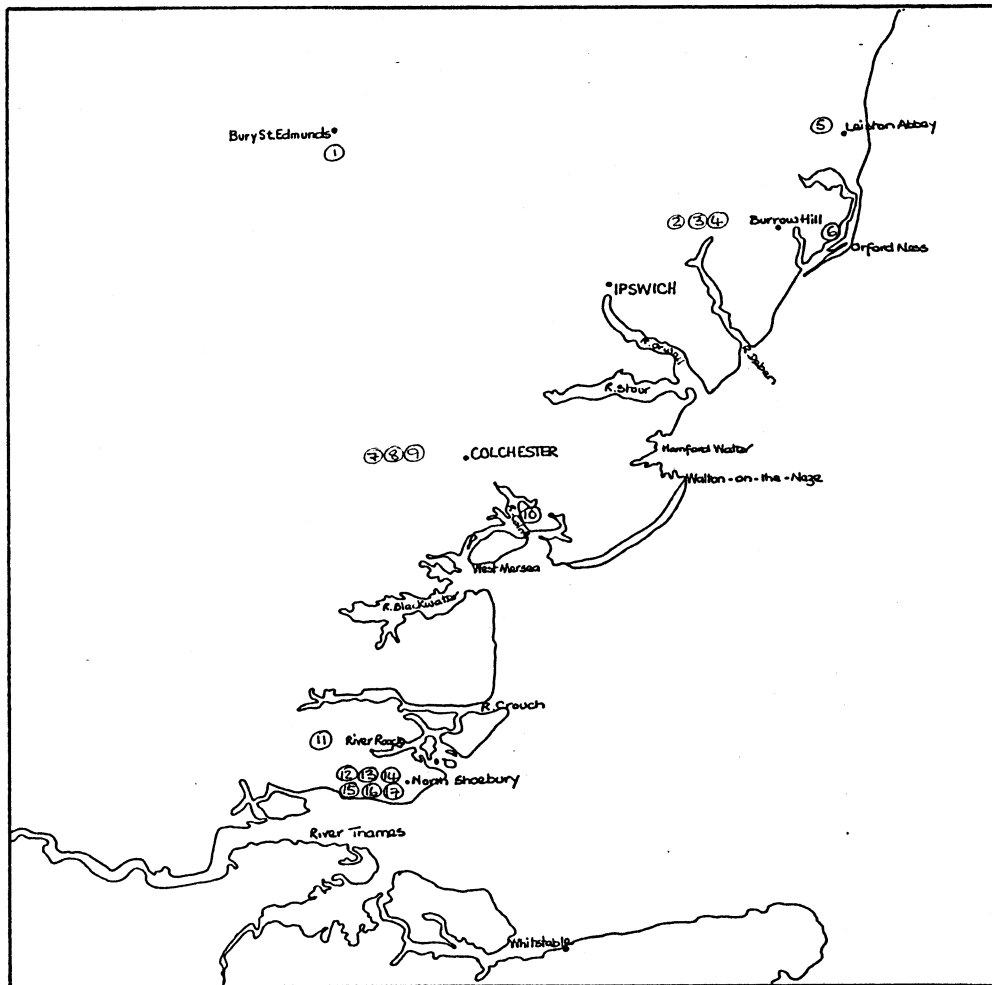


Figure 9.5 Sketch map of East coast region of Suffolk and Essex showing where oyster shell samples were excavated or collected

TABLE 9.2 NUMERICAL ANALYSIS OF NUMBERS OF SITES AND SAMPLES USED IN COMPARISONS OF SIZE IN OYSTER SHELLS

	a	b	c	d	e	f	g	h	i	j	k	l	m
a	Number of samples from site												
b	Number of sites used for right valve t-test comparisons												
c	Number of sites used for left valve t-test comparisons												
d	Number of sites used for left valve Kolmogorov-Smirnov tests												
e	Right valve t-tests : Number of samples used from the site												
f	Number of other sites with which compared												
g	Number of other samples with which compared												
h	Left valve t-tests : Number of samples used from the site												
i	Number of other sites with which compared												
j	Number of other samples with which compared												
k	Left valve K-S test : Number of samples used from the site												
l	Number of other sites with which compared												
m	Number of other samples with which compared												
SOUTHAMPTON REGION													
Six Dials, Southampton	13	9	8	1	13	9	32	2	8	15	2	1	1
Owslebury, nr Winchester	14	11	9	1	14	9	45	2	8	15	2	1	1
Newport Roman Villa, I o Wight	2	29	0	0	2	3	29	0	0	0	0	0	0
11 The Hundred, Romsey	1	0	0	0	0	0	0	0	0	0	0	0	0
Solent modern	13	5			2	5	23	0	0	0	13	1	1
POOLE REGION													
Poole Bay	2	11	1	9	2	11	45	2	1	1	2	9	16
Poole Harbour	2	16	1	9	2	16	71	2	1	1	2	9	16
Poole, Thames St.	1	11	1	9	1	11	33	1	1	1	1	9	16
Poole, Paradise St	4	11	1	9	1-4	11	59	4	1	1	4	9	16
Poole, Shipwright's Arms	2	11	1	9	1-2	11	51	2	1	1	2	9	16
Ower Farm, Purbeck	1	0	0	15	0	0	0	0	0	0	1	3	15
Corfe Castle, Purbeck	5	5	1	2	5	5	7	5	1	1	5	2	2
Lodge Farm, Kingston Lacey	1	0	2	2	0	0	0	1	1	5	1	2	7
Greyhound Yard, Dorchester	12	9	0	0	5-12	5	31	0	0	0	0	0	0
Alington Avenue, Dorchester	3	16	0	0	3	16	65	0	0	0	0	0	0
Halstock Roman Villa	1	0	0	0	0	0	0	0	0	0	0	0	0
NORTH WESSEX & LONDON													
Ludgershall Castle	7	5	0	0	7	5	23	0	0	0	0	0	0
39 Brown St, Salisbury	3	16	8	1	3	16	67	1	8	10	1	1	1
Reading Abbey Wharf	5	0	4	4	0	0	0	4	8	10	4	1	1
Cross St, Wokingham	1	0	8	1	0	0	0	1	8	10	1	1	1
Moorgate & Coleman St, London	4	4	8	1	4	4	9	1	8	10	1	1	1
Guildhall House, London	2	4	8	1	2	4	9	1	8	10	1	1	1
Pudding Lane, London	4	4	8	1	4	4	9	2	8	10	2	1	1
EAST COAST													
Bury St Edmunds Abbey, Suffolk	3	0	21	22	0	0	0	1	21	41	1	22	55
Burrow Hill, Suffolk	3	0	21	0	0	0	0	1-3	21	41	0	0	0
Leiston Abbey, Suffolk	1	0	21	0	0	0	0	1	21	41	0	0	0
Roman Colchester, Essex	2	0	21	0	0	0	0	1	21	41	0	0	0
Modern Colchester (Feast)	1	0	21	0	0	0	0	1	21	41	0	0	0
River Colne modern, Essex	1	0	21	0	0	0	0	1	21	41	0	0	0
River Roach modern, Essex	1	0	21	0	0	0	0	1	21	41	0	0	0
North Shoebury, Essex	6	0	21	0	0	0	0	1	21	41	0	0	0

Figure 9.6 Matrix of two sample t-test results for oyster shells from Owslebury compared with Southampton (Six Dials and Stoner Motor sites). Actual t-values.

	8568	8600	8686	8709	9959	11151	11275	242	667	896	3571	9901	9820
	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax	Sousax
Owsle 1	-2.32	-5.86	-2.30	-3.90	-2.86	-0.59	-0.51	-2.41	-0.07	4.43	-2.85	-6.41	-3.50
Owsle 2	-2.27	-8.28	-2.16	-4.16	-2.74	-0.08	0.17	-2.34	1.09	7.57	-2.68	-6.85	-3.61
Owsle 3	-2.67	-6.73	-2.59	-4.30	-3.10	-0.62	-0.55	-2.74	-0.07	5.06	-3.04	-6.84	-3.84
Owsle 4	-1.83	-5.12	-1.84	-3.42	-2.47	-0.33	-0.19	-1.94	0.30	4.57	-2.49	-5.97	-3.06
Owsle 5	0.45	-2.81	0.31	-1.49	-0.67	1.22	1.69	0.25	2.65	6.94	-0.85	-4.41	-1.16
Owsle 6	-2.75	-8.00	-2.62	-4.46	-3.10	-0.45	-0.34	-2.79	0.28	6.12	-3.01	-7.04	-3.94
Owsle 7	-2.21	-7.70	-2.12	-4.07	-2.72	-0.11	0.11	-2.29	0.96	6.95	-2.67	-6.76	-3.55
Owsle 8	-4.45	-13.60	-3.89	-5.72	-3.89	-0.79	-0.80	-4.21	-0.32	7.22	-3.64	-8.01	-5.02
Owsle 9	-0.92	-3.64	-0.98	-2.45	-1.68	0.17	0.39	-1.05	0.91	4.61	-1.77	-4.99	-2.15
Owsle 10	-2.04	-5.24	-2.04	-3.57	-2.63	-0.50	-0.40	-2.14	0.04	4.22	-2.65	-6.07	-3.21
Owsle 11	-1.34	-3.75	-1.38	-2.70	-1.99	-0.24	-0.10	-1.45	0.29	3.62	-2.07	-5.05	-2.43
Owsle 12	-2.74	-7.69	-2.62	-4.43	-3.11	-0.51	-0.40	-2.79	0.17	5.81	-3.03	-6.99	-3.92
Owsle 13	-2.72	-8.03	-2.58	-4.44	-3.07	-0.42	-0.29	-2.76	0.35	-6.23	-2.98	-7.03	-3.92
Owsle 14	-4.59	-13.34	-4.03	-5.82	-4.00	-0.89	-0.94	-4.35	-0.56	6.87	-3.74	-8.08	-5.13

Figure 917 Matrix of two sample t-test results for oyster shells from Owslebury compared with Southampton sites. Symbols.

	Sousax 8568	Sousax 8600	Sousax 8686	Sousax 8709	Sousax 9959	Sousax 11151	Sousax 11275	Sousax 242	Sousax 667	Sousax 896	Sousax 3571	Sousax 9901	Sousax 9820
Owsle 1	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 2	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 3	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 4	-	+	-	+	+	-	-	-	-	+	+	+	+
Owsle 5	-	+	-	-	-	-	-	-	+	+	-	+	-
Owsle 6	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 7	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 8	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 9	-	+	-	+	-	-	-	-	-	+	-	+	+
Owsle 10	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 11	-	+	-	+	-	-	-	-	-	+	+	+	+
Owsle 12	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 13	+	+	+	+	+	-	-	+	-	+	+	+	+
Owsle 14	+	+	+	+	+	-	-	+	-	+	+	+	+

Figure 9.8 Matrix of two sample t-test results for oyster shells from Owslebury compared with modern oysters from Sowley Ground and Newtown beds in the West Solent. Actual t-values and symbols.

	Sowley ground (modern)	Newtown beds (modern)	Sowley ground	Newtown beds
Owsle 1	4.15	0.89	+	-
Owsle 2	5.10	0.38	+	-
Owsle 3	4.81	0.94	+	-
Owsle 4	3.55	0.60	+	-
Owsle 5	1.29	-1.07	-	-
Owsle 6	5.29	0.78	+	-
Owsle 7	4.85	0.41	+	-
Owsle 8	8.16	1.20	+	-
Owsle 9	2.38	0.04	+	-
Owsle 10	3.71	0.77	+	-
Owsle 11	2.63	0.46	+	-
Owsle 12	5.16	0.83	+	-
Owsle 13	5.28	0.75	+	-
Owsle 14	8.19	1.31	+	-

Figure 9.9 Matrix of two sample t-test results for oyster shells from Owslebury compared with Newport Roman Villa on the Isle of Wight. Actual t-values and symbols.

	Newport 1 Newport Roman Villa, Isle of Wight	Newport 2 Newport Roman Villa, Isle of Wight		Newport 1 Newport Roman Villa, Isle of Wight	Newport 2 Newport Roman Villa, Isle of Wight
Owsle 1	-3.47	-2.78		+	+
Owsle 2	-6.00	-6.16		+	+
Owsle 3	-3.96	-3.32		+	+
Owsle 4	-3.65	-3.00		+	+
Owsle 5	-5.99	-5.64		+	+
Owsle 6	-4.86	-4.49		+	+
Owsle 7	-5.66	-5.57		+	+
Owsle 8	-5.61	-6.40		+	+
Owsle 9	-3.81	-3.22		+	+
Owsle 10	-3.32	-2.65		+	+
Owsle 11	-2.90	-2.29		+	+
Owsle 12	-4.60	-4.13		+	+
Owsle 13	-4.96	-4.63		+	+
Owsle 14	-5.29	-5.75		+	+

Figure 9.10 Matrix of two sample t-test results for oyster shells from Owslebury compared with modern oysters from Poole Bay and Poole Harbour - South Deep and Wych Channel. Actual t-values.

	Poole Bay 11.11.87	Poole Bay 17.11.87	Poole Harbour, Wych Channel 11.11.87	Poole Harbour, South Deep 17.11.87
Owsle 1	-3.11	-2.93	-9.93	-9.99
Owsle 2	-5.94	-5.64	-16.08	-16.12
Owsle 3	-3.62	-3.41	-11.49	11.55
Owsle 4	-3.32	-3.15	-9.78	-9.83
Owsle 5	-5.78	-5.60	-12.43	-12.48
Owsle 6	-4.62	-4.36	-13.79	-13.84
Owsle 7	-5.51	-5.23	-15.07	-16.11
Owsle 8	-5.65	-5.27	-18.08	-18.09
Owsle 9	-3.50	-3.36	-9.06	-9.11
Owsle 10	-2.98	-2.81	-9.27	-9.23
Owsle 11	-2.59	-2.46	-7.53	-7.58
Owsle 12	-4.32	-4.07	-13.11	-13.17
Owsle 13	-4.73	-4.47	-13.99	-14.04
Owsle 14	-5.25	-4.88	-17.38	-17.39

Figure 9.11 Matrix of two sample t-test results for oyster shells from Owslebury compared with modern oysters from Poole Bay and Poole Harbour - South Deep and Wych Channel. Symbols.

	Poole Bay 11.11.87	Poole Bay 17.11.87	Poole Harbour, Wych Channel 11.11.87	Poole Harbour, South Deep 17.11.87
Owsle 1	+	+	+	+
Owsle 2	+	+	+	+
Owsle 3	+	+	+	+
Owsle 4	+	+	+	+
Owsle 5	+	+	+	+
Owsle 6	+	+	+	+
Owsle 7	+	+	+	+
Owsle 8	+	+	+	+
Owsle 9	+	+	+	+
Owsle 10	+	+	+	+
Owsle 11	+	+	+	+
Owsle 12	+	+	+	+
Owsle 13	+	+	+	+
Owsle 14	+	+	+	+

Figure 9.12 Matrix of two sample t-test results for oyster shells from Owslebury compared with Poole sites. Actual t-values.

	PM 21.53 Paradise Street, Poole	PM 21.58 Paradise Street, Poole	PM 21.501 Paradise Street, Poole	PM 21.502 Paradise Street, Poole	PM 21.504 Paradise Street, Poole	PM 21 van Paradise Street, Poole	PM 9 Thames Street, Poole	PM Ship (32) Shipwright's Arms, Poole
Owsle 1	1.05	-0.26	0.06	-2.45	-0.12	1.91	5.39	3.22
Owsle 2	2.20	0.89	0.89	-2.32	0.62	3.21	9.43	5.46
Owsle 3	1.17	0.28	0.08	2.73	-0.12	2.10	6.27	3.64
Owsle 4	1.32	0.14	0.36	-2.01	0.18	2.14	6.47	3.41
Owsle 5	3.33	2.54	2.27	0.02	2.00	4.10	8.02	5.68
Owsle 6	1.56	0.05	0.34	-2.74	0.12	2.55	7.74	4.44
Owsle 7	2.09	0.76	0.81	2.28	0.56	3.07	8.78	5.16
Owsle 8	1.36	-0.71	-0.02	-3.82	-0.25	2.49	10.02	4.95
Owsle 9	1.76	0.78	0.89	-1.17	0.71	2.49	5.35	3.61
Owsle 10	1.08	-0.13	0.15	-2.20	-0.03	1.90	6.08	3.10
Owsle 11	1.13	0.17	0.35	-1.55	0.20	1.81	4.23	2.74
Owsle 12	1.44	-0.06	0.26	-2.75	0.05	2.42	7.30	4.21
Owsle 13	1.61	0.12	0.39	-2.71	0.16	2.61	7.89	4.53
Owsle 14	1.19	-0.96	-0.17	-3.95	-0.39	2.32	9.49	4.67

Figure 9.13 Matrix of two sample t-test results for oyster shells from Owslebury compared with Poole sites. Symbols.

	PM 21.53 Paradise Street, Poole	PM 21.58 Paradise Street, Poole	PM 21.501 Paradise Street, Poole	PM 21.502 Paradise Street, Poole	PM 21.504 Paradise Street, Poole	PM 21 ran Paradise Street, Poole	PM 9 Thames Street, Poole	PM Ship (32) Shipwright's Arms, Poole
Owsle 1	-	-	-	+	-	-	+	+
Owsle 2	+	-	-	+	-	+	+	+
Owsle 3	-	-	-	+	-	+	+	+
Owsle 4	-	-	-	+	-	+	+	+
Owsle 5	+	+	+	-	-	+	+	+
Owsle 6	-	-	-	+	-	+	+	+
Owsle 7	+	-	-	+	-	+	+	+
Owsle 8	-	-	-	+	-	+	+	+
Owsle 9	-	-	-	-	-	+	+	+
Owsle 10	-	-	-	+	-	-	+	+
Owsle 11	-	-	-	-	-	-	+	+
Owsle 12	-	-	-	+	-	+	+	+
Owsle 13	-	-	-	+	-	+	+	+
Owsle 14	-	-	-	+	-	+	+	+

Figure 9.14 Matrix of two sample t-test results for oyster shells from Owslebury compared with Greyhound Yard, Dorchester. Actual t-values.

	GREY ERB Greyhound Yard, Dorchester	GREY LRB Greyhound Yard, Dorchester	GREY RBD Greyhound Yard, Dorchester	GREY ARB Greyhound Yard, Dorchester	GREY EM Greyhound Yard, Dorchester	GREY EM2 Greyhound Yard, Dorchester	GREY 2.2 Greyhound Yard, Dorchester
Owsle 1	-3.70	-4.66	-6.93	-6.28	-7.77	-7.43	-5.44
Owsle 2	-4.51	-7.29	-10.01	-10.45	-11.73	-11.16	-6.57
Owsle 3	-3.85	-5.24	-7.71	-7.25	-8.80	-8.38	-5.70
Owsle 4	-3.85	-4.80	-6.97	-6.32	-7.78	-7.44	-5.56
Owsle 5	-5.16	-7.05	-9.19	-8.84	-10.16	-9.79	-7.02
Owsle 6	-4.13	-6.19	-8.84	-8.77	-10.25	-9.75	-6.10
Owsle 7	-4.44	-6.94	-9.60	-9.80	-11.16	-10.63	-6.46
Owsle 8	-4.09	-7.02	-10.01	-11.07	-12.15	-11.46	-6.19
Owsle 9	-4.06	-4.83	-6.77	-6.10	-7.43	-7.14	-5.67
Owsle 10	-3.67	-4.46	-6.61	-6.91	-7.37	-7.04	-5.35
Owsle 11	-3.52	-3.86	-5.66	-4.91	-6.18	-5.93	-4.99
Owsle 12	-4.06	-5.92	-8.52	-8.33	-9.84	-9.36	-5.99
Owsle 13	-4.17	-6.29	-8.95	-8.92	-10.38	-9.88	-6.15
Owsle 14	-3.99	-6.73	-9.71	-10.58	-11.76	-11.09	-6.07

Figure 9.15 Matrix of two sample t-test results from oyster shells from Owslebury compared with Greyhound Yard, Dorchester. Symbols.

	GREY ERB Greyhound Yard, Dorchester	GREY LRB Greyhound Yard, Dorchester	GREY RBD Greyhound Yard, Dorchester	GREY ARB Greyhound Yard, Dorchester	GREY EM Greyhound Yard, Dorchester	GREY EM2 Greyhound Yard, Dorchester	GREY 22 Greyhound Yard, Dorchester
Owsle 1	+	+	+	+	+	+	+
Owsle 2	+	+	+	+	+	+	+
Owsle 3	+	+	+	+	+	+	+
Owsle 4	+	+	+	+	+	+	+
Owsle 5	+	+	+	+	+	+	+
Owsle 6	+	+	+	+	+	+	+
Owsle 7	+	+	+	+	+	+	+
Owsle 8	+	+	+	+	+	+	+
Owsle 9	+	+	+	+	+	+	+
Owsle 10	+	+	+	+	+	+	+
Owsle 11	+	+	+	+	+	+	+
Owsle 12	+	+	+	+	+	+	+
Owsle 13	+	+	+	+	+	+	+
Owsle 14	+	+	+	+	+	+	+

Figure 9.16 Matrix of two sample t-test results for oyster shells from Owslebury compared with Alington Avenue, Dorchester. Actual t-values and symbols.

	Aling 30 Alington Avenue, Dorchester	Aling 40 Alington Avenue, Dorchester	Aling 50 Alington Avenue, Dorchester		Aling 30 Alington Avenue, Dorchester	Aling 40 Alington Avenue, Dorchester	Aling 50 Alington Avenue, Dorchester
Owslr 1	-3.64	-2.63	-3.26		+	+	+
Owslr 2	-4.56	-3.51	-4.60		+	+	+
Owslr 3	-3.81	-2.77	-3.52		+	+	+
Owslr 4	-3.79	-2.81	-3.44		+	+	+
Owslr 5	-5.22	-4.29	-5.24		+	+	+
Owslr 6	-4.13	-3.08	-3.99		+	+	+
Owslr 7	-4.47	-3.43	-4.46		+	+	+
Owslr 8	-4.10	-2.99	-4.05		+	+	+
Owslr 9	-4.00	-3.08	-3.67		+	+	+
Owslr 10	-3.60	-2.62	-3.20		+	+	+
Owslr 11	-3.42	-2.52	-2.96		+	+	+
Owslr 12	-4.04	-2.99	-3.86		+	+	+
Owslr 13	-4.17	-3.11	-4.05		+	+	+
Owslr 14	-4.00	-2.89	-3.90		+	+	+

Figure 9.17 Matrix of two sample t-test results for oyster shells from Owslebury compared with Ludgershall Castle, near Andover. Actual t-values.

	Lud. HL 4 Ludgershall Castle, nr. Andover	Lud. HLS Ludgershall Castle, nr. Andover	Lud. DJ4 Ludgershall Castle, nr. Andover	Lud. DJ6 Ludgershall Castle, nr. Andover	Lud. DL3 Ludgershall Castle, nr. Andover	DCD Ludgershall Castle, nr. Andover	FC D Ludgershall Castle, nr. Andover
Owsle 1	-6.51	-9.51	-6.22	-7.73	-8.62	-8.78	-9.42
Owsle 2	-8.09	-12.22	-7.69	-9.96	-11.21	-13.55	-18.44
Owsle 3	-7.38	-10.75	-7.05	-8.81	-9.81	-10.47	-10.99
Owsle 4	-5.85	-8.71	-5.57	-6.99	-7.64	-7.83	-8.61
Owsle 5	-3.80	-6.76	-3.52	-4.95	-5.83	-5.59	-6.39
Owsle 6	-8.09	-11.89	-7.70	-9.76	-10.91	-12.44	-12.65
Owsle 7	-7.76	-11.72	-7.38	-9.52	-10.71	-12.44	-12.58
Owsle 8	-10.83	-15.55	-10.38	-13.25	-14.68	-22.14	-19.02
Owsle 9	-4.46	-6.99	-4.22	-5.43	-6.17	-5.90	-6.60
Owsle 10	-5.95	-8.75	-5.68	-7.09	-7.89	-7.87	-8.54
Owsle 11	-4.50	-6.75	-4.29	-5.36	-6.02	-5.72	-6.37
Owsle 12	-7.89	-11.58	-7.53	-9.50	-10.61	-11.85	-12.17
Owsle 13	-8.08	-11.93	-7.71	-9.79	-10.95	-12.55	-12.73
Owsle 14	-10.85	-15.48	-10.40	-13.20	-14.61	-21.32	-18.70

Figure 9.18 Matrix of two sample t-test results for oyster shells from Owslebury compared with Ludgershall Castle, near Andover. Symbols.

	Lud. HL 4 Ludgershall Castle, nr. Andover	Lud. HL 5 Ludgershall Castle, nr. Andover	Lud. DJ 4 Ludgershall Castle, nr. Andover	Lud. DJ 6 Ludgershall Castle, nr. Andover	Lud. DL 3 Ludgershall Castle, nr. Andover	DG D Ludgershall Castle, nr. Andover	FG D Ludgershall Castle, nr. Andover
Owsle 1	+	+	+	+	+	+	+
Owsle 2	+	+	+	+	+	+	+
Owsle 3	+	+	+	+	+	+	+
Owsle 4	+	+	+	+	+	+	+
Owsle 5	+	+	+	+	+	+	+
Owsle 6	+	+	+	+	+	+	+
Owsle 7	+	+	+	+	+	+	+
Owsle 8	+	+	+	+	+	+	+
Owsle 9	+	+	+	+	+	+	+
Owsle 10	+	+	+	+	+	+	+
Owsle 11	+	+	+	+	+	+	+
Owsle 12	+	+	+	+	+	+	+
Owsle 13	+	+	+	+	+	+	+
Owsle 14	+	+	+	+	+	+	+

Figure 9.19 Matrix of two sample t-test results for oyster shells from Owslebury compared with Salisbury (W139). Actual t-values and symbols.

	Salis 2 W139, 39 Brown St., Salisbury	Salis 3a W139, 39 Brown St., Salisbury	Salis 5 W139, 39 Brown St., Salisbury		Salis 2 W139, 39 Brown St., Salisbury	Salis 3a W139, 39 Brown St., Salisbury	Salis 5 W139, 39 Brown St., Salisbury
Owsle 1	6.10	5.72	6.67		+	+	+
Owsle 2	6.79	5.83	7.80		+	+	+
Owsle 3	6.65	5.97	7.38		+	+	+
Owsle 4	5.59	5.38	6.07		+	+	+
Owsle 5	3.83	4.06	4.19		+	+	+
Owsle 6	6.96	6.03	7.89		+	+	+
Owsle 7	6.65	5.79	7.58		+	+	+
Owsle 8	8.32	6.63	9.82		+	+	+
Owsle 9	4.48	4.63	4.79		+	+	+
Owsle 10	5.70	5.49	6.17		+	+	+
Owsle 11	4.56	4.75	4.82		+	+	+
Owsle 12	6.88	6.02	7.76		+	+	+
Owsle 13	6.95	6.02	7.89		+	+	+
Owsle 14	8.39	6.69	9.87		+	+	+

ANALYSIS OF VARIANCE

LEVEL	N	MEAN	STDEV	INDIVIDUAL 95 PCT CI'S FOR MEAN BASED ON POOLED STDEV
owsle.1	44	71.52	10.74	(--*--)
owsle.2	191	70.07	12.53	(*--)
owsle.3	88	71.50	12.61	(--*--)
owsle.4	56	70.82	12.95	(--*--)
owsle.5	47	66.51	11.41	(-*--)
owsle.6	86	71.01	9.98	(--*--)
owsle.7	119	70.16	10.96	(*--)
owsle.8	316	71.70	10.29	(*)
owsle.9	35	69.37	12.23	(--*--)
owsle.10	48	71.31	12.37	(--*--)
owsle.11	30	70.67	12.93	(--*--)
owsle.12	79	71.15	10.19	(--*--)
owsle.13	98	70.93	10.49	(--*--)
owsle.14	258	71.95	9.97	(*)
POOLED STDEV =		12.22		

Figure 9.20 Analysis of variance of size of oyster shells from Owslebury

INDIVIDUAL 95 PCT CI'S FOR MEAN
BASED ON POOLED STDEV

LEVEL	N	MEAN	STDEV	
1ud.h14	145	59.11	12.14	(*-)
1ud.h15	93	53.26	9.98	(--*-)
1ud.dj4	105	59.67	10.30	(--*-)
1ud.dj6	92	57.04	9.05	(--*-)
1ud.d13	87	55.33	8.89	(--*-)
1ud.dgd	1034	57.04	10.38	(--*-)
1ud.fgd	239	55.07	10.14	(--*-)
salib.e	25	57.72	7.89	(--*-)
salib.3a	21	55.90	12.02	(--*-)
alis.5	77	57.65	11.48	(--*-)
poole.11	163	77.08	10.23	(*)
poole.17	182	76.78	10.89	(*)
oling.20	27	82.78	13.70	(--*-)
oling.40	32	79.28	13.94	(--*-)
oling.50	93	79.53	17.77	(--*-)
pm21.53	106	73.78	14.59	(--*-)
pm21.ran	75	75.76	18.17	(--*-)
pm.ship	157	77.80	13.61	(--*-)
newport1	130	78.08	12.18	(--*-)
newport2	745	76.14	10.49	(*)
wylch.11	133	89.42	9.12	(--*-)
south	102	89.57	8.09	(--*-)
grey.erb	27	83.93	15.24	(--*-)
grey.rbd	108	85.89	13.45	(--*-)
grey.em	193	86.76	15.23	(--*-)
grey.em2	137	86.25	13.11	(--*-)
grey.22	66	88.23	19.52	(--*-)
sowley	135	64.17	8.35	(--*-)
r-21.502	153	66.86	15.03	(--*-)
09	65	63.82	10.85	(--*-)
9959	30	64.93	8.99	(--*-)
3571	43	64.35	12.68	(--*-)
9820	48	63.96	9.91	(--*-)
newtown	19	69.26	8.52	(--*-)
pm21.53	106	73.78	14.59	(--*-)
pm21.58	435	71.07	14.07	(--*-)
pm21.501	71	71.66	13.05	(--*-)
pm21.502	153	66.56	16.03	(--*-)
pm21.504	60	71.25	13.02	(--*-)
8568	134	67.34	9.16	(--*-)
8686	125	67.11	11.50	(--*-)
9959	30	64.93	8.99	(--*-)
11151	37	69.89	13.47	(--*-)
11275	51	70.37	11.20	(--*-)
242	163	66.98	12.26	(*)
667	226	71.39	11.91	(*)
3571	43	64.35	12.68	(--*-)

Figure 9.21a Analysis of variance of size of oyster shells from various sites

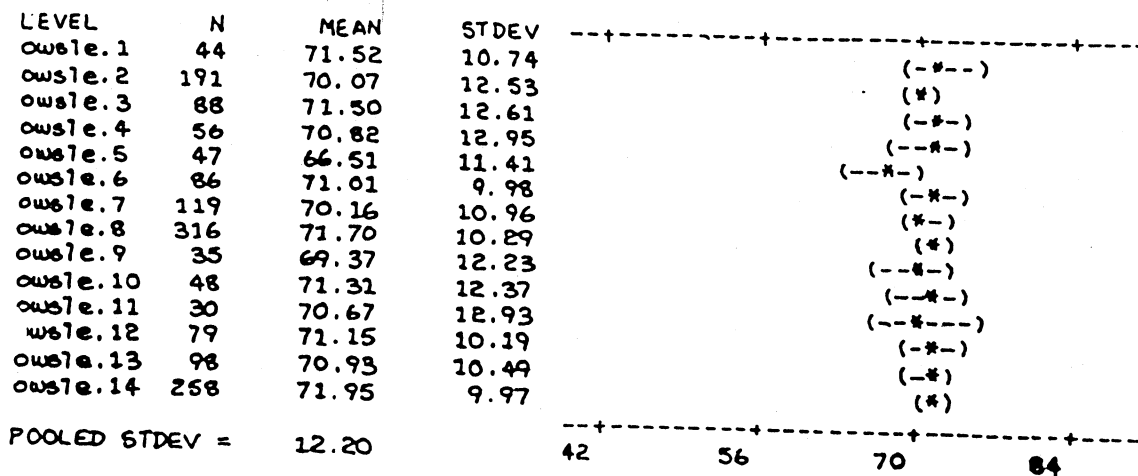


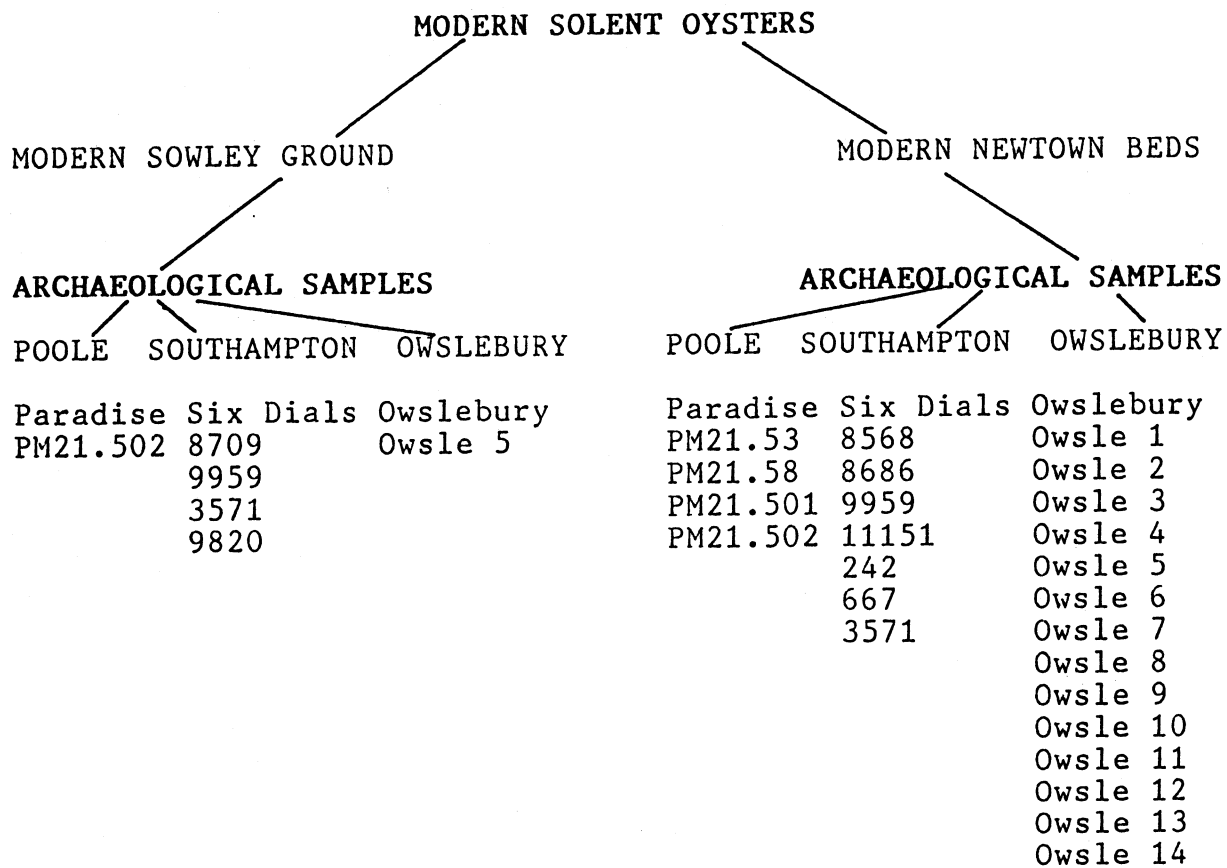
Figure 9.21b Analysis of variance of size of oyster shells from various sites continued

TABLE 9.3
TWO SAMPLE T-TEST RESULTS USING RIGHT VALVE MAXIMUM WIDTH

		NEWPORT ROMAN VILLA	
		SAMPLE 1	SAMPLE 2
ARCHAEOLOGICAL SITES			
POOLE			
Thames Street	PM9	2.48	5.96
Paradise St.	PM21.53	-2.50	-1.61
	PM21.58	-5.89	-6.53
	PM21.501	-3.50	-2.81
	PM21.502	-7.38	-7.52
	PM21.504	-3.51	-2.84
	PM21.RAN	-1.28	-0.25
Shipwrights' Arms	PM Ship	-0.20	1.43
DORCHESTER			
Greyhound Yard	GREY.ERB	-1.89	2.63
	GREY.LRB	-1.80	3.82
	GREY.RBD	-4.81	7.22
	GREY.ARB	-3.79	7.41
	GREY.EM	-5.90	9.14
	GREY.EM2	-5.42	8.45
	GREY.22	-3.64	4.58
Alington Avenue	ALING 30	-1.67	2.49
	ALING 40	-0.45	1.26
	ALING 50	-0.69	1.80
MODERN OYSTER BEDS			
WEST SOLENT			
Sowley Ground		-11.45	-14.70
Newtown Beds		-4.03	-3.45
POOLE BAY			
Poole 11		-0.81	1.10
Poole 17		-1.05	0.74
POOLE HARBOUR			
Wych Channel		9.00	15.10
South Deep		-9.07	15.12

FIGURE 9.22.

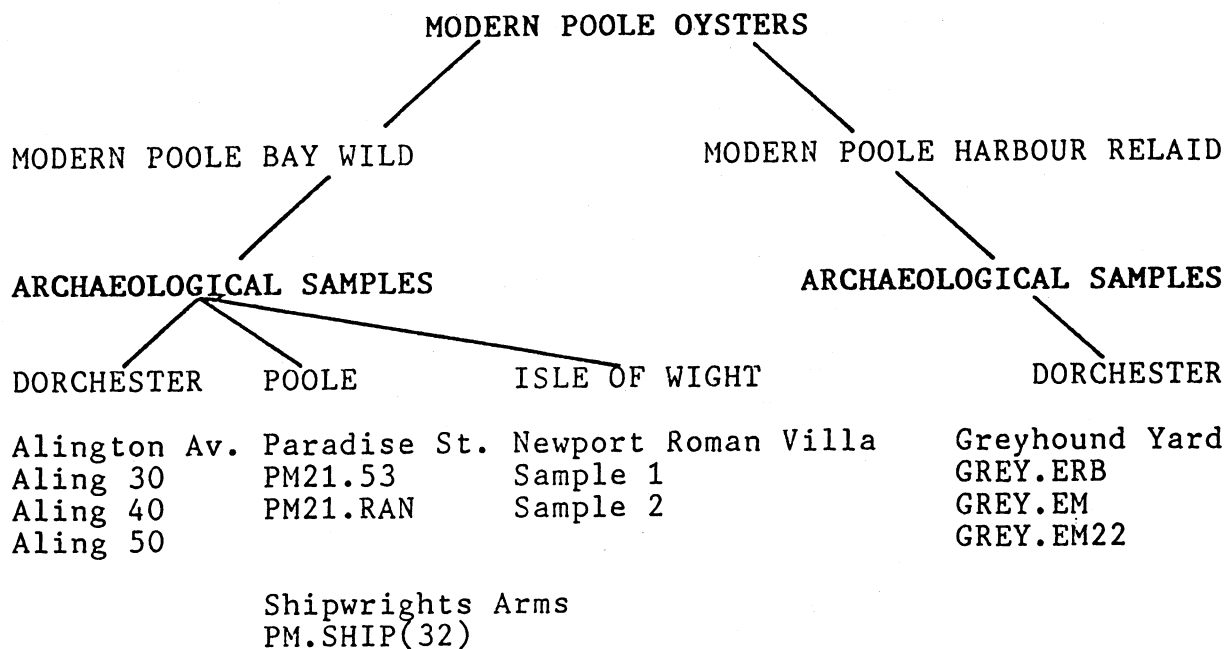
RELATIONSHIPS IN SIZE BASED ON 2 SAMPLE T-TESTS OF RIGHT VALVE
 MAXIMUM WIDTH MEASUREMENTS OF OYSTER SAMPLES



Using t values under 2 as criterion for similarity.

FIGURE 9.23

RELATIONSHIPS IN SIZE BASED ON 2 SAMPLE T-TESTS OF RIGHT VALVE
 MAXIMUM WIDTH MEASUREMENTS OF OYSTER SAMPLES



Using t values under 2 only as criterion for similarity

FIGURE 9.24.

OWER FARM OYSTERS (LVMD) COMPARED WITH OTHER SAMPLES BY KOLMOGOROV-SMIRNOV TEST

SAMPLE cf OF SP01	GTST DIFF (D)	VALUE of D REQD at 0.01% level to reject null hypothesis	SIG DIFF + = yes - = no
Poole Bay	0.4092	0.1415	+
South Deep Poole Harbour.	0.7661	0.1776	+
Thames St Poole	0.7255	0.1309	+
Paradise St Poole	0.3549	0.1304	+
Shipwrights Arms Hamworthy	0.5714	0.1854	+
Lodge Farm Kingston Lacey	0.0968	0.2622	-
Corfe Castle 3	0.252	0.2651	-
Corfe Castle 6	0.2907	0.3397	-

TABLE 9.4
 BASIC DATA FOR LVMW OF OYSTER SHELL SAMPLES FROM POOLE

SAMPLE	N	MEAN	ST. DEVIATION
MODERN			
POOLE 11	183	77.08	10.23
POOLE 17	182	76.78	10.39
WYTCH 11	133	89.42	9.12
SOUTH	102	89.57	8.09
ARCHAEOLOGICAL			
PM9	228	91.32	9.54
PM21.53	74	74.45	14.71
PM21.58	232	76.96	13.39
PM21.501	19	81.37	12.19
PM21.502	104	74.21	13.96
PM21.504	23	78.61	9.97
PM21 RAN	70	78.27	13.62
PM SHIP	181	86.97	14.39

TABLE 9.5

TWO SAMPLE T-TEST RESULTS FOR COMPARISON OF CORFE CASTLE SAMPLES OF OYSTER SHELLS WITH MODERN AND ARCHAEOLOGICAL SAMPLES FROM POOLE (USING LVMW)

	CORFE 2	CORFE 3	CORFE 4	CORFE 5	CORFE 6
MODERN WILD					
POOLE 11 (Poole Bay)	1.11	0.11	2.40	2.32	0.11
POOLE 17 (Poole Bay)	1.23	0.25	2.59	2.48	0.02
MODERN RELAID					
WYTCH 11 (Wytch Channel)	4.15	6.01	5.66	4.45	5.38
SOUTH DEEP (South Deep)	4.21	6.07	5.74	4.52	5.44
ARCHAEOLOGICAL					
Thames Street, Poole PM9	5.06	7.15	7.25	5.68	6.32
Paradise St., Poole PM21.53	1.87	1.13	2.91	2.88	0.86
PM21.58	1.13	1.16	2.38	2.32	0.05
PM21.501	0.48	1.22	0.21	0.02	1.28
PM21.502	2.10	1.34	3.44	3.31	1.01
PM21.504	0.35	0.47	0.86	1.01	0.59
PM21 RAN	0.51	0.40	1.18	1.30	0.53
Shipwrights' Arms, Hamworthy PM SHIP	2.97	4.51	3.68	2.89	4.14

Numbers in bold indicate no significant difference between the samples compared.

TABLE 9.6 RESULTS OF SIZE COMPARISONS BETWEEN OYSTER SHELLS FROM LODGE
FARM CONTEXT 122 AND CORFE CASTLE GROUPED SAMPLES

SAMPLE	PERIOD	N	T-value	K-Smirnov
Corfe 2	1646 demolition	27	1.05	-
Corfe 3	Pre+demolition	41	0.65	-
Corfe 4	Demo+17th c	78	1.84	+
Corfe 5	17th c	51	1.73	+
Corfe 6	Post 17th c	24	0.47	-

- represents no significant difference

+ represents a significant difference

	GREYHOUND YARD SAMPLES				
POOLE SAMPLES	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
POOLE 11 Modern, Poole Bay	2.26	4.79	2.63	4.29	6.95
POOLE 17 Modern, Poole Bay	2.36	5.00	2.74	4.47	7.09
WYTCH 11 Mod., Poole Harbour	1.81	5.8	2.29	4.11	0.49
SOUTH Mod., Poole Harbour	1.86	5.37	2.35	4.20	0.41
PM(Poole Museums)9 Thames St. dig	0.93	1.46	1.01	1.52	4.85
PM 21.53 Paradise St.	3.12	5.34	3.56	5.06	7.35
PM 21.58 Paradise St.	4.27	10.15	5.07	8.65	10.26
PM 21.501 Paradise St.	3.70	6.19	5.34	5.87	7.99
PM 21.502 Paradise St.	5.47	10.59	6.38	9.63	11.15
PM 21.504 Paradise St.	3.75	6.03	4.25	5.78	7.87
PM RAN Paradise St.	2.47	3.98	2.79	3.85	6.29
PM SHIP Shipwright's Arms	1.96	3.53	2.23	3.35	6.09

TABLE 9.7 GREYHOUND YARD: MATRIX OF TWO SAMPLE T-TEST RESULTS FOR COMPARISONS OF GREYHOUND YARD AND POOLE SAMPLES

FIGURE 9.25

Alington Avenue, phase)50	Alington Avenue, phase)40	Alington Avenue, phase)30	
			Alington Avenue, Dorchester)Phase 30
		0.97	Alington Avenue, Dorchester, Phase) 40
	-0.08	1.01	Alington Avenue, Dorchester, Phase) 50
1.27	1.21	0.29	Grey(hound Yard, Dorchester) ERB
0.59	0.56	0.68	Grey(hound Yard, Dorchester) LRB
2.83	2.37	1.06	Grey(hound Yard, Dorchester) RBD
1.70	1.42	0.07	Grey(hound Yard, Dorchester) ARB
3.37	2.77	1.39	Grey(hound Yard, Dorchester) EM
3.07	2.54	1.18	Grey(hound Yard, Dorchester) EM 2
2.73	2.49	1.47	Grey(hound Yard, Dorchester) 22
8.99	7.37	8.16	Salisbury W139, phase) 2
7.99	7.05	7.76	Salisbury W139, phase) 3 (3a, 4)
9.68	7.75	8.54	Salisbury W139, phase) 5
-3.26	-2.63	-3.64	Owsle(bury) 1
-4.60	-3.51	-4.56	Owsle(bury) 2
-3.52	-2.77	-3.81	Owsle(bury) 3
-3.44	-2.81	-3.79	Owsle(bury) 4
-5.24	-4.29	-5.22	Owsle(bury) 5
-3.99	-3.08	-4.13	Owsle(bury) 6
-4.46	-3.43	-4.47	Owsle(bury) 7
-4.05	-2.99	-4.10	Owsle(bury) 8
-3.67	-3.08	-4.00	Owsle(bury) 9
-3.20	-2.62	-3.60	Owsle(bury) 10
-2.96	-2.52	-3.42	Owsle(bury) 11
-3.86	-2.99	-4.04	Owsle(bury) 12
-4.05	-3.11	-4.17	Owsle(bury) 13
-3.90	-2.89	-4.00	Owsle(bury) 14
-0.69	-0.45	-1.67	Newport (Roman Villa, IoW) 1
1.80	1.26	2.49	Newport (Roman Villa, IoW) 2
-7.77	-5.89	-6.81	Sowley (Ground, W. Solent, modern)
-3.82	-3.18	-4.12	Newtown (W. Solent, modern)
-4.93	3.92	2.41	Wytch (Channel, Poole Harbour, modern)
-5.00	-3.97	-2.46	South Deep, Poole Harbour, modern)
-1.23	-0.85	-2.08	Poole (Bay) 11 (modern)
-1.38	-0.97	-2.18	Poole (Bay) 17 (modern)

FIGURE 9.26

Alington Avenue, phase 50	Alington Avenue, phase 40	Alington Avenue, phase 30	
-9.72	-7.58	-8.39	Lud (gershall Castle) H14
-12.43	-9.74	-10.42	Lud (gershall Castle) H15
-9.46	-7.37	-8.19	Lud (gershall Castle) DJ4
-10.86	-8.43	-9.19	Lud (gershall Castle) DJ6
-11.66	-9.06	-9.79	Lud (gershall Castle) DL3
-12.02	-8.95	-9.69	Lud (gershall Castle) DQD
-12.51	-9.49	-10.20	Lud (gershall Castle) FQD
0.81	0.72	0.60	PM9 (Poole, Thames Street)
-2.47	-1.93	-3.01	PM 21.53 (Paradise Street, Poole)
-4.31	-3.21	-4.30	PM 21.58 (Paradise Street, Poole)
-3.27	-2.62	-3.64	PM 21.501 (Paradise Street, Poole)
-5.87	-4.63	-5.59	PM 21.502 (Paradise Street, Poole)
-3.32	-2.69	-3.69	PM 21.504 (Paradise Street, Poole)
-1.58	-1.22	-2.31	PM 21.505 (Paradise Street, Poole)
-0.81	-0.55	-1.75	PM Ship (Shipwright's Arms, Poole)
-7.79	-5.75	-6.70	PDN 3218 (Pudding Lane, London)
-2.89	-2.21	-3.31	PDN 1728 (Pudding Lane, London)
-2.23	-1.61	-2.80	PDN 1714 (Pudding Lane, London)
-8.95	-6.72	-7.60	PDN 1470 (Pudding Lane, London)
-6.27	-4.69	-5.69	GDH 409 (Guildhall House, London)
-6.60	-5.06	-6.03	GDH 309 (Guildhall House, London)
-12.36	-10.76	-11.36	MOG 65 (Moorgate/Coleman St., London)
-5.06	-4.40	-5.21	MOG 51.G (Moorgate/Coleman St., London)
-4.53	-3.78	-4.69	MOG 51.S (Moorgate/Coleman St., London)
-5.72	-4.66	-5.58	MOG 51.T (Moorgate/Coleman St., London)
-6.08	-4.62	-5.61	8568 (Six Dials, Southampton)
-9.41	-7.03	-7.89	8600 (Six Dials, Southampton)
-5.88	-4.56	-5.54	8686 (Six Dials, Southampton)
-7.10	-6.68	-6.57	8709 (Six Dials, Southampton)
-5.91	-4.85	-5.75	9959 (Six Dials, Southampton)
-3.34	-2.83	-3.74	11151 (Six Dials, Southampton)
-3.78	-3.05	-4.04	11275 (Six Dials, Southampton)
-5.68	-4.77	-5.64	3571 (Six Dials, Southampton)
-9.01	-7.64	-8.39	9901 (Six Dials, Southampton)
-6.67	-5.38	-6.27	9820 (Six Dials, Southampton)
-6.04	-4.65	-5.63	242 (Stoner Motors, Southampton)
-4.06	-3.05	-4.14	667 (Stoner Motors, Southampton)
0.18	0.24	-1.02	896 (Stoner Motors, Southampton)

FIGURE 9.27

Alington Avenue, phase)50	Alington Avenue, phase)40	Alington Avenue, phase)30	
			Alington Avenue, Dorchester)Phase 30
			Alington Avenue, Dorchester, Phase) 40
			Alington Avenue, Dorchester, Phase)50
			Grey(hound Yard, Dorchester) ERB
			Grey(hound Yard, Dorchester) LRB
+	+		Grey(hound Yard, Dorchester) RBD
			Grey(hound Yard, Dorchester) ARB
+	+		Grey(hound Yard, Dorchester) EM
+	+		Grey(hound Yard, Dorchester) EM 2
+	+		Grey(hound Yard, Dorchester) 22
+	+	+	Salisbury W139) phase 2
+	+	+	Salisbury W139, phase) 3 (3a, 4)
+	+	+	Salisbury W139, phase) 5
+	+	+	Owsle(bury camp) 1
+	+	+	Owsle(bury Camp) 2
+	+	+	Owsle(bury) 3
+	+	+	Owsle(bury) 4
+	+	+	Owsle(bury) 5
+	+	+	Owsle(bury) 6
+	+	+	Owsle(bury) 7
+	+	+	Owsle(bury) 8
+	+	+	Owsle(bury) 9
+	+	+	Owslebury) 10
+	+	+	Owsle(bury) 11
+	+	+	Owsle(bury) 12
+	+	+	Owslebury) 13
+	+	+	Owsle(bury) 14
			Newport (Roman Villa, IOW) 1
		+	Newport (Roman Villa, IOW) 2
+	+	+	Sowley(Ground, W. Solent, modern)
+	+	+	Newtown (W. Solent, modern)
+	+	+	Wytch(Channel, Poole Harbour, modern)
+	+	+	South(Deep, Poole Harbour, modern)
		+	Poole (Bay) 11 (modern)
		+	Poole (Bay) 17 (modern)

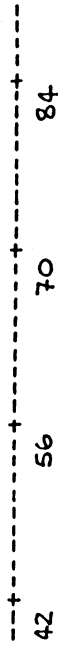
FIGURE 9.28

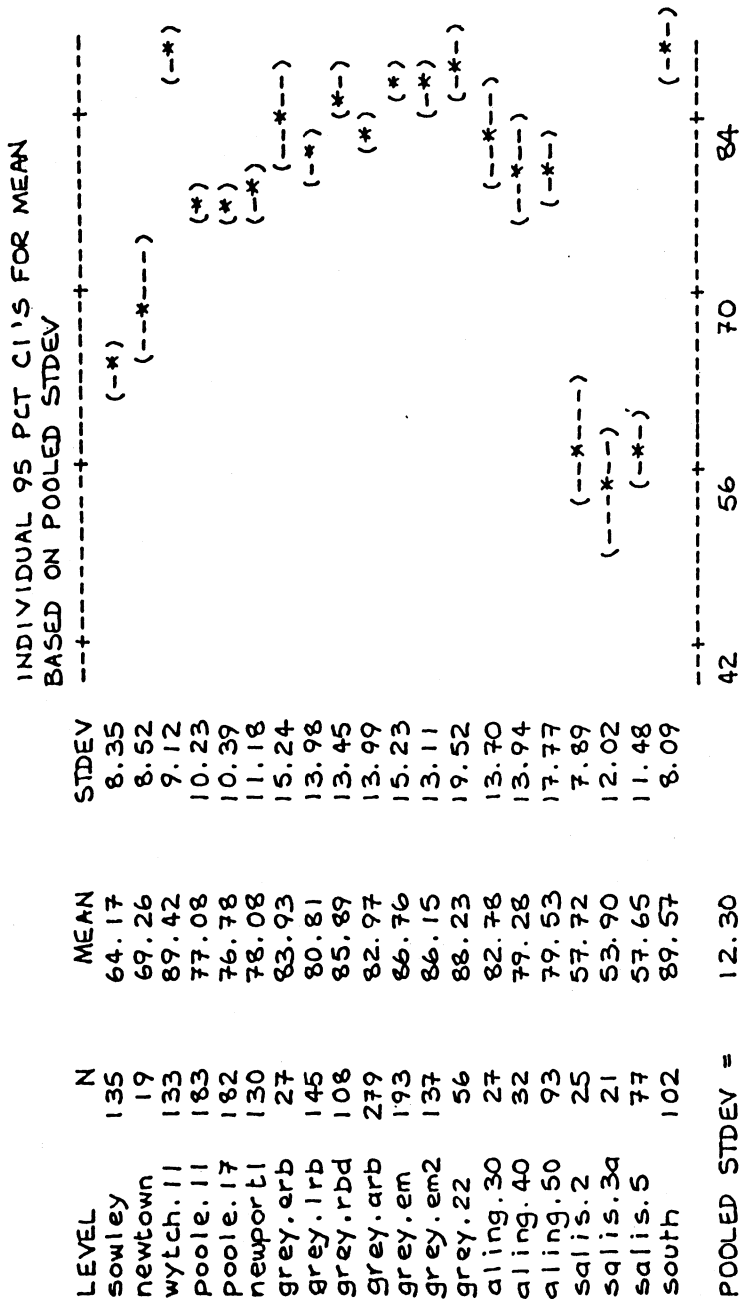
AUNCTON AVENUE PHASE 50	AUNCTON AVENUE PHASE 40	AUNCTON AVENUE PHASE 30	
+	+	+	Lud (gershall Castle) H14
+	+	+	Lud (gershall Castle) H15
+	+	+	Lud (gershall Castle) DJ4
+	+	+	Lud (gershall Castle) DJ6
+	+	+	Lud (gershall Castle) DL3
+	+	+	Lud (gershall Castle) DGD
+	+	+	Lud (gershall Castle) FGD
			PM (Poole Museum, Thames Street) 9
+		+	PM 21.53 (Poole Museum, Paradise Street)
+	+	+	PM 21.58 (Poole Museum, Paradise Street)
+	+	+	PM 21.501 (Poole Museum, Paradise Street)
+	+	+	PM 21.502 (Poole Museum, Paradise Street)
+	+	+	PM 21.504 (Poole Museum, Paradise Street)
		+	PM 21. ran (Poole Museum, Paradise Street)
			PM Ship. (Poole Museum, Shipwright's Arms)
+	+	+	PDN 3218 (Pudding Lane, London)
+	+	+	PDN 1728 (Pudding Lane, London)
+		+	PDN 1714 (Pudding Lane, London)
+	+	+	PDN 1470 (Pudding Lane, London)
+	+	+	GDH 409 (Guildhall House, London)
+	+	+	GDH 309 (Guildhall House, London)
+	+	+	MOG 65 (Moorgate Coleman St., London)
+	+	+	MOG 51.G (Moorgate Coleman St., London)
+	+	+	MOG 51.S (Moorgate Coleman St., London)
+	+	+	MOG 51.T (Moorgate Coleman St., London)
+	+	+	8568 (Six Dials, Southampton)
+	+	+	8600 (Six Dials, Southampton)
+	+	+	8686 (Six Dials, Southampton)
+	+	+	8709 (Six Dials, Southampton)
+	+	+	9959 (Six Dials, Southampton)
+	+	+	11151 (Six Dials, Southampton)
+	+	+	11275 (Six Dials, Southampton)
+	+	+	3571 (Six Dials, Southampton)
+	+	+	9901 (Six Dials, Southampton)
+	+	+	9820 (Six Dials, Southampton)
+	+	+	242 (Stoner Motors, Southampton)
+	+	+	667 (Stoner Motors, Southampton)
			896 (Stoner Motors, Southampton)

ANALYSIS OF VARIANCE				MS	F
SOURCE	DF	SS			
FACTOR	72	951933		13221	87.37
ERROR	11588	1753478		151	
TOTAL	11660	2705411			

LEVEL	N	MEAN	STDEV	
lud.h14	145	59.11	12.14	(*-)
lud.h15	93	53.26	9.98	(*-)
lud.dj4	105	59.67	10.30	(*-)
lud.dj6	92	57.04	9.05	(*-)
lud.d13	87	55.33	8.89	(*-)
lud.dgd	1034	57.04	10.38	(*)
lud.fgd	239	55.07	10.14	(*)
pm9	217	81.13	10.94	(*)
pm21.53	106	73.78	14.59	(*-)
pm21.58	435	71.07	14.07	(*)
pm21.501	71	71.66	13.05	(*-)
pm21.502	153	66.56	15.03	(*-)
pm21.504	60	71.25	13.02	(*-)
pm21.ran	75	75.76	13.17	(*-)
pm.ship	157	77.80	13.61	(*-)
pdn.3218	1313	65.05	8.49	(*)
pdn.1728	110	73.30	11.69	(*-)
pdn.1714	251	75.17	10.37	(*)
pdn.1470	586	62.32	13.31	(*)
GDH409	364	67.42	10.93	(*)
GDH309	156	65.99	11.24	(*-)
MOG65	116	42.75	25.18	(*-)
MOG51.G	70	63.90	20.76	(*-)
MOG51.S	62	67.52	15.00	(*-)
MOG51.T	132	65.60	18.30	(*-)

INDIVIDUAL 95 PCT CI'S FOR MEAN
BASED ON POOLED STDEV





SALISBURY W139 MATRICES OF RESULTS FROM TWO SAMPLE T-TESTS ON RIGHT VALVE MAXIMUM WIDTH MEASUREMENTS OF OYSTER SHELL SAMPLES

ACTUAL T-VALUES

	Salisbury W139) 2	Salisbury W139) 3a +	Salisbury W139) 5	Ludgershall Castle) h14	Ludgershall Castle) h15	Ludgershall Castle) dj4	Ludgershall Castle) dj6	Ludgershall Castle) dl3	Ludgershall Castle) dgd	Ludgershall Castle) fgd	9901 (Six Dials, Southampton)
Salisbury W139) 2		1.25	0.03	0.74	-2.36	1.04	-0.37	-1.27	-0.42	-1.55	-1.05
Salisbury W139) 3a +			-1.28	1.85	-0.23	2.05	1.13	0.51	1.18	0.43	0.34
Salisbury W139) 5				0.88	-2.63	1.22	-0.38	-1.43	-0.46	-1.76	-1.07

Salisbury W139) 2		-	-	-	+	-	-	-	-	-	-
Salisbury W139) 3a +			-	-	-	+	-	-	-	-	-
Salisbury W139) 5				-	+	-	-	-	-	-	-

The symbol - denotes no significant difference
 The symbol + denotes a significant difference.

FIGURE 9.33

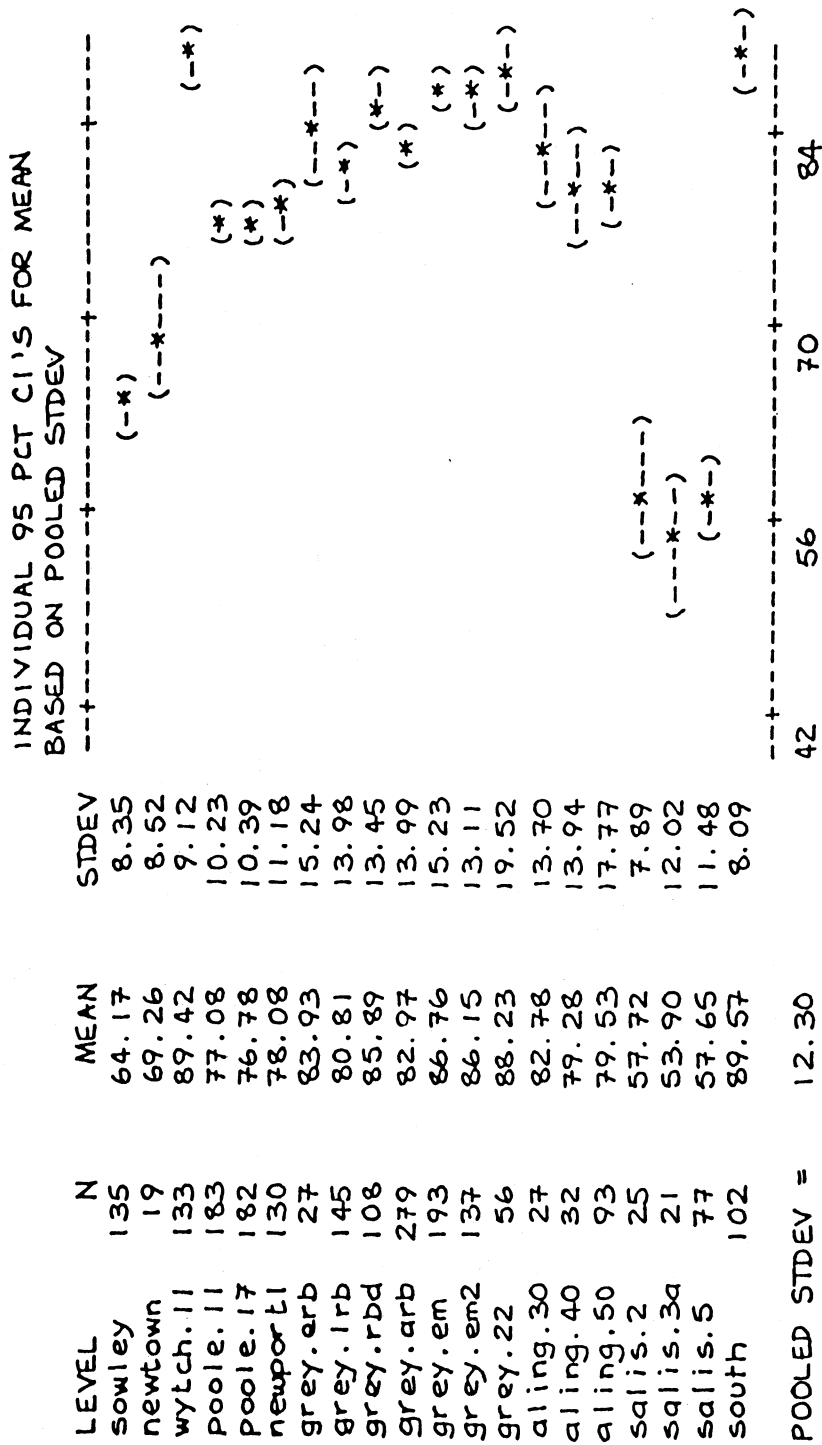


FIGURE 9.34
 COMPARISON OF GROWTH RATES OF OYSTER SHELLS FROM SALISBURY W139,
 ALINGTON AVENUE W98 AND CROSS STREET, WOKINHAM.

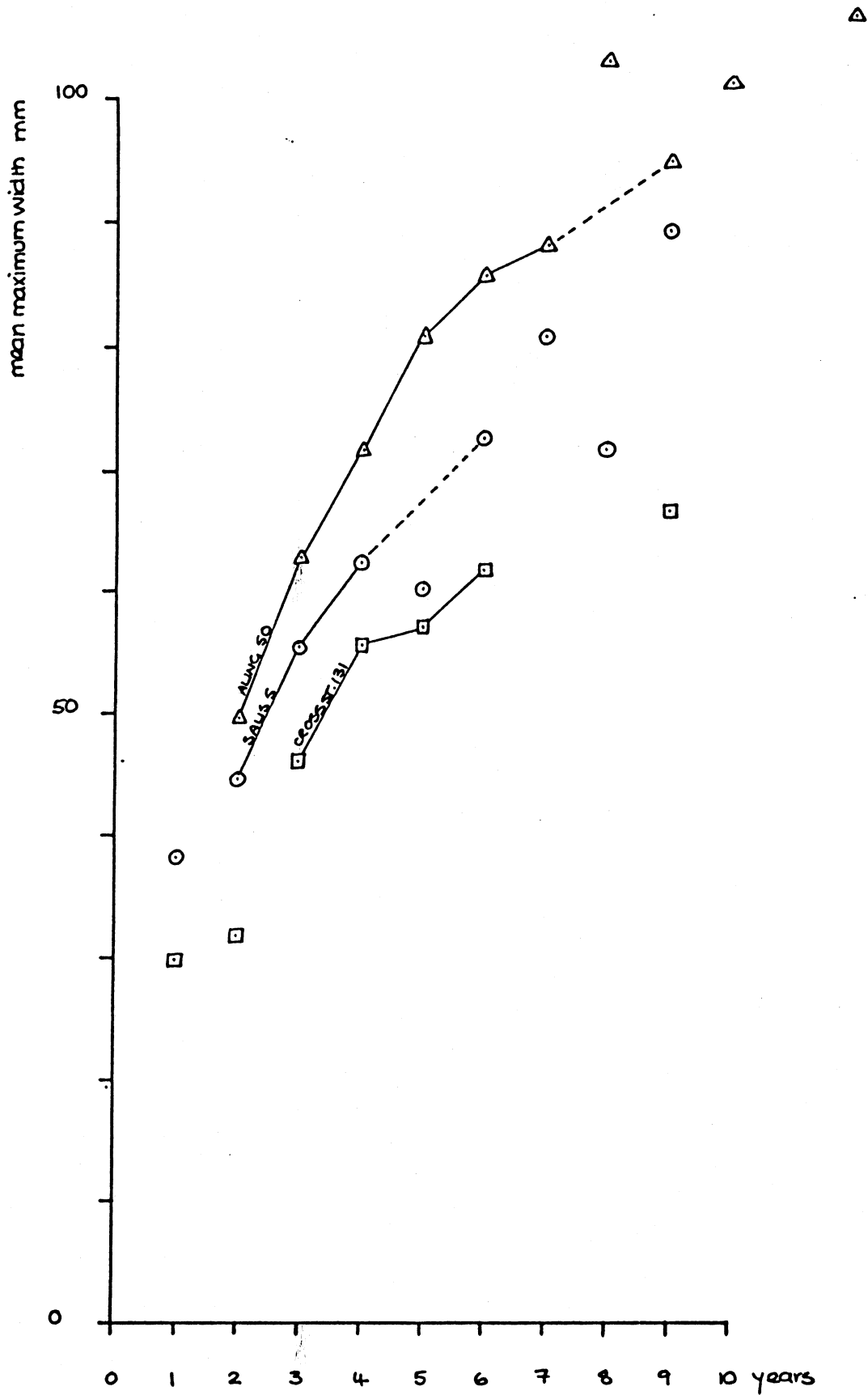
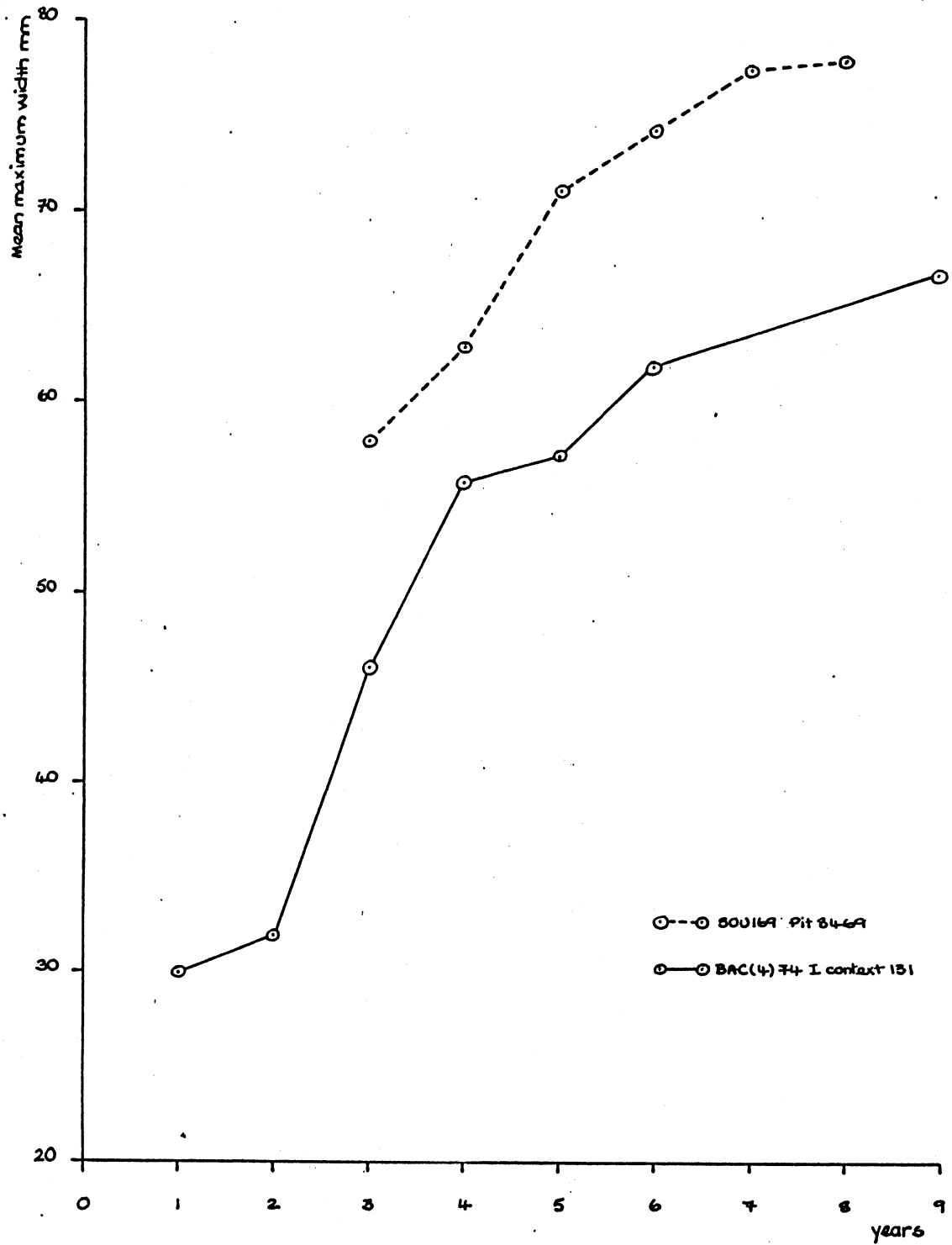
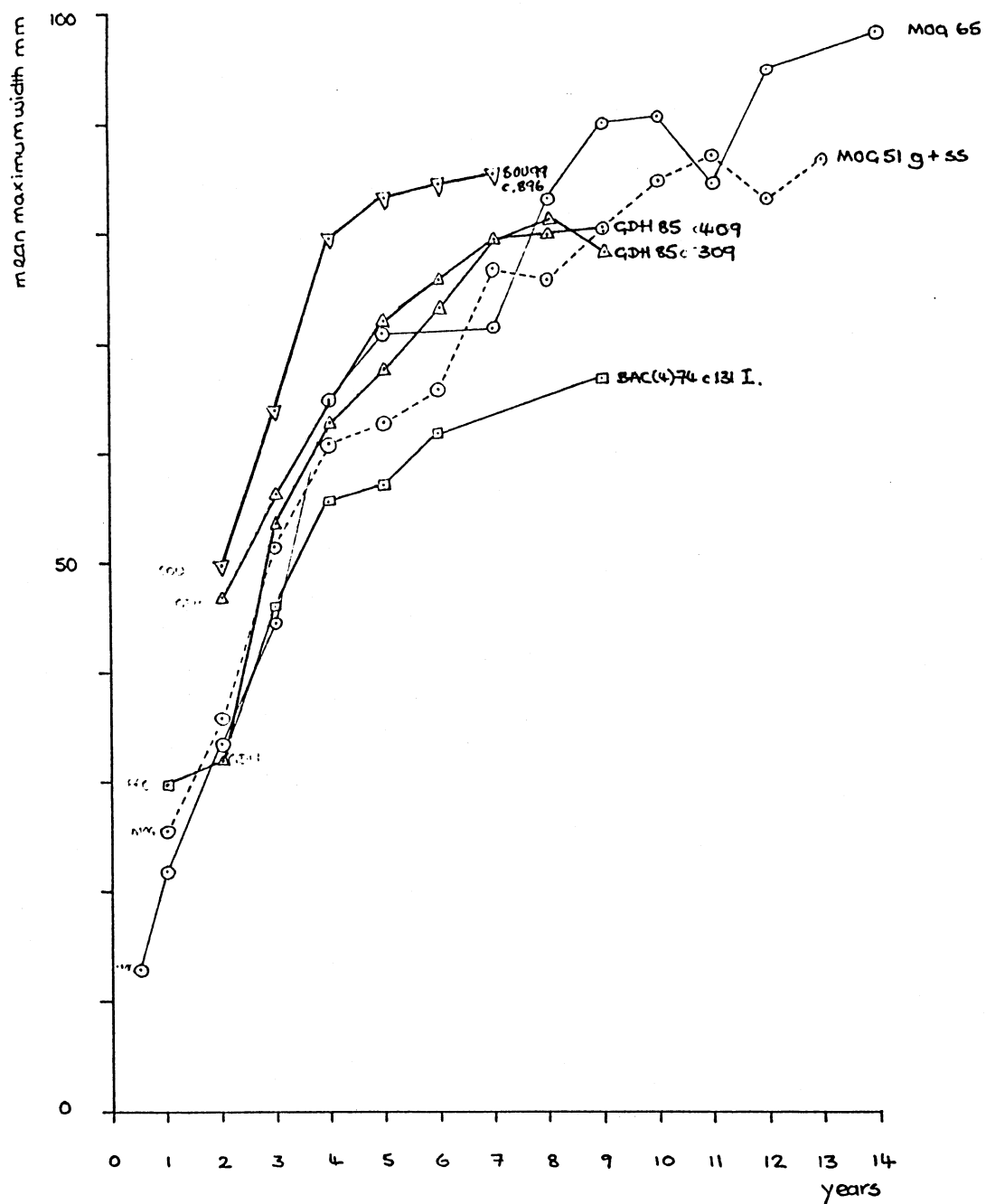


FIGURE 9.35



GROWTH RATE IN OYSTER SHELLS FROM CROSS STREET, WOKINGHAM (BAC(4)74 I c.131) COMPARED WITH THE LOWEST GROWTH RATE RECORDED FOR SAXON HAMMIC SHELLS (SOU169).



COMPARISON OF GROWTH RATES FROM OYSTER SHELLS MOQ 86 AND GQH 85
SOU 99 AND BAC(4)74.

FIGURE 9.37

+ significant difference.
 - no significant difference

	GDH 409	GDH 309	MOQ 65	MOQ 51 GENERAL	MOQ 51 SOUTHSIDE	MOQ 51 TOTAL
GDH 409		-	+	-	-	-
GDH 309			+	-	-	-
MOQ 65				+	+	+
MOQ 51 GENERAL					-	-
MOQ 51 SOUTHSIDE						-
MOQ 51 TOTAL						

FIGURE 9.38

Actual T values

	GDH 409	GDH 309	MOQ 65	MOQ 51 GENERAL	MOQ 51 SOUTHSIDE	MOQ 51 TOTAL
GDH 409		1.34	10.25	1.38	-0.05	1.08
GDH 309			9.28	0.79	-0.72	0.22
MOQ 65				-6.20	-8.21	-8.08
MOQ 51 GENERAL					-1.6	-0.58
MOQ 51 SOUTHSIDE						0.77
MOQ 51 TOTAL						

RESULTS OF TWO SAMPLE T-TESTS RIGHT VALVES MAX. WIDTH
 (GUILDHALL AND MOORCATE)

FIGURE 9.39

ANALYSIS OF VARIANCE

INDIVIDUAL 95 PCT CI'S FOR MEAN
BASED ON POOLED STDEV

LEVEL	N	MEAN	STDEV	
GDH409	364	67.42	10.93	
GDH309	156	65.99	11.24	
MOG65	116	42.75	25.18	(-*-)
MOG51.G	70	63.90	20.76	(-*-)
MOG51.S	62	67.52	15.00	(-*-)
MOG51.T	132	65.60	18.30	(-*)
POOLED STDEV = 12.42				(-*)

48 60 72

Figure 9.39 Analysis of variance of oyster shell size from Guildhall House and Moorgate

TABLE 9.8
SOURCES OF INFORMATION ON ARCHAEOLOGICAL OYSTER SHELLS

SAMPLE NOS.	SITE	SOURCE
2,3 & 4	Burrow Hill	Shells provided by V Fenwick Site report (Fenwick 1984)
5	Leiston Abbey	Shells provided by V Fenwick Site report (Fenwick in prep)
7 & 8	Colchester CAM 70	Subsample measurement and infestation records by author. Site report Niblet (1985)
12 - 17	North Shoebury	Peter Murphy, Centre for East Anglian Studies, University of East Anglia. Separate oyster shell report (Murphy in prep)

TABLE 9.9a
SIZE OF OYSTER SHELLS FROM BURY ST EDMUNDS ABBEY AND OTHER SITES
(DIMENSION: LVMD left valve maximum diameter)

SAMPLE	N	MEAN	SDEV
EAST COAST LOCATIONS			
1 Bury St Edmunds Abbey Group 5A	100	67.8	10.36
1a Bury St Edmunds Abbey The rest	45	63.6	12.73
1b Bury St Edmunds Abbey Medieval	31	60.9	10.68
2 Burrow Hill 81 M036	92	67.5	12.06
3 Burrow Hill F50 AB30	159	69.4	11.43
4 Burrow Hill 82 CR74	146	67.2	11.29
5 Leiston Abbey 103	121	52.5	6.87
Colchester:			
7 CAM 70 E19 F316 L8 sample 1	169	80.3	10.50
8 CAM 70 E19 F316 L8 sample 2	163	81.3	9.67
9 Colchester Feast (JH)	1206	73.7	22.28
10 River Colne natives 1960/61	650	79.4	6.4
11 River Roach natives 1960/61	750	78.6	5.2
12 North Shoebury 0304A s113	97	59.5	13.60
13 North Shoebury 1036 s299	98	81.1	11.33
14 North Shoebury 1150 s422	156	79.7	11.74
15 North Shoebury 1150A s446	143	79.7	13.09
16 North Shoebury 1563A s1063B	75	67.2	9.35
17 North Shoebury 1364B s917B	93	81.8	11.78

TABLE 9.9b

SAMPLE	N	MEAN	SDEV
LONDON AND NORTH WESSEX			
18 London, Pudding Lane 1470	370	72.3	14.30
19 London, Pudding Lane 1714	106	86.9	11.11
20 London, Moorgate 51	100	72.2	16.97
21 London, Guildhall House 309	149	73.0	12.57
22 Reading Abbey Wharf period 4	54	67.6	11.43
23 Reading Abbey Wharf period 5	116	64.3	12.00
24 Reading Abbey Wharf period 6	39	65.1	12.70
25 Reading Abbey Wharf period 7	53	68.6	11.95
26 Wokingham, Cross St 131+201	47	61.0	10.80
27 Salisbury, Brown St phase 5	45	69.8	10.30

TABLE 9.9c

SAMPLE	N	MEAN	SDEV
SOUTH COAST			
28 Poole Bay 11.11.87	183	81.5	10.70
29 Poole Bay 17.11.87	182	81.6	11.20
30 Poole Harbour, South Deep 11.87	102	96.7	9.40
31 Poole Harbour, Wych Channel 11.87	139	99.6	10.10
32 Poole, Thames St F50 ½m3	228	93.1	8.50
33 Poole, Paradise St L53-57	74	78.6	14.40
34 Poole, Paradise St L58 random	71	83.4	12.10
35 Poole, Paradise St L58 502.206	90	78.6	13.80
36 Poole, Paradise St L58 all samples	231	81.5	12.80
37 Hamworthy, Shipwrights Arms L1-5	93	89.5	12.60
38 Hamworthy, Shipwrights Arms L6-10	76	91.1	13.80
Owslebury near Winchester:			
39 Owsle 13, 642 L7	87	82.1	9.78
40 Owsle 14, 642 L8-14	204	81.6	9.37
41 Southampton, Six Dials 8568	102	75.0	10.46
42 Southampton, Six Dials 8709	98	73.9	13.05
43 Newport Roman Villa	700	85.6	10.70
44 The Solent Bramble Bank (1988)	695	-	-
45 Browndown (1988)	253	-	-
46 Lee-on-Solent (1988)	44	-	-
47 Lepe Bank (1988)	338	-	-
48 Lymington/Pennington	322	-	-
49 Newtown Bank (1988)	375	-	-
50 North Channel (1988)	143	-	-
51 Osborne/Mother Bank	120	-	-
52 Ryde Middle (1988)	522	-	-
53 Sowley Ground(1987)	135	66.5	9.50
54 Sowley Ground(1988)	745	-	-
55 Thorn Knoll (1988)	283	-	-
56 Warner Shoal (1988)	30	-	-
57 Yarmouth (1988)	129	-	-

Only frequencies of measurements were available for modern Solent oysters (1988) therefore means and standard deviations were not calculated.

TABLE 9.10a
COMPARISONS OF THE SIZES AND SIZE DISTRIBUTION OF OYSTER SHELLS IN A SAMPLE FROM BURY ST EDMUNDS ABBEY (GROUP 5A) AND SAMPLES FROM OTHER SITES BY T AND KOLMOGOROV-SMIRNOV TESTS

SAMPLE	PERIOD	T VALUE	SMIRNOV
EAST COAST LOCATIONS			
2 Burrow Hill 81 M036	Saxon	0.18	-
3 Burrow Hill F50 AB30	Saxon	1.16	-
4 Burrow Hill 82 CR74	Saxon	0.43	-
5 Leiston Abbey 103	L Med	12.60	+
Colchester:			
7 CAM 70 E19 F316 L8 sample 1	Roman	9.49	+
8 CAM 70 E19 F316 L8 sample 2	Roman	10.48	+
9 Colchester Feast 1971 (JH)	Modern	4.79	+
10 River Colne natives 1960/61	Modern	10.84	
11 River Roach natives 1960/61	Modern	10.22	
12 North Shoebury 0304A s113	E Med	4.80	+
13 North Shoebury 1036 s299	Roman	8.61	+
14 North Shoebury 1150 s422	Roman	8.50	+
15 North Shoebury 1150A s446	Roman	7.88	+
16 North Shoebury 1563A s1063B	Roman	0.40	-
17 North Shoebury 1364B s917B	Roman	8.72	+

TABLE 9.10b

SAMPLE	PERIOD	T VALUE	SMIRNOV
LONDON AND NORTH WESSEX			
18 London, Pudding Lane 1470	L Sax/P Con	3.52	+
19 London, Pudding Lane 1714	Roman	12.75	+
20 London, Moorgate 51	E Med	2.21	-
21 London, Guildhall House 309	L Saxon	3.55	+
22 Reading Abbey Wharf period 4	L Med	0.16	-
23 Reading Abbey Wharf period 5	L Med	2.33	-
24 Reading Abbey Wharf period 6	Post Med	1.18	-
25 Reading Abbey Wharf period 7	E Modern	0.41	-
26 Wokingham, Cross St 131+201	15-17th c	3.60	+
27 Salisbury, Brown St phase 5	17th c	1.08	-

TABLE 9.10c

SAMPLE	PERIOD	T VALUE	SMIRNOV
SOUTH COAST LOCATIONS			
28 Poole Bay 11.11.87	Modern	10.49	+
29 Poole Bay 17.11.87	Modern	10.37	+
30 Poole Harbour, South Deep 11.87	Modern	20.71	+
31 Poole Harbour, Wych Channel 11.87	Modern	23.60	+
32 Poole, Thames St F50 ½m3	Med	21.39	+
33 Poole, Paradise St L53-57	Med	5.48	+
34 Poole, Paradise St L58 random	E Med	8.80	+
35 Poole, Paradise St L58 502.206	E Med	6.04	+
36 Poole, Paradise St L58 all samps	E Med	10.24	+
37 Hamworthy, Shipwrights Arms L1-5L Sax/E Med		13.00	+
38 Hamworthy, Shipwrights Arms L6-10L Sax/E Med		12.30	+
Owslebury near Winchester:			
39 Owsle 13, 642 L7	Roman	9.67	+
40 Owsle 14, 642 L8-14	Roman	11.21	+
41 Southampton, Six Dials 8568	Saxon	4.90	+
42 Southampton, Six Dials 8709	Saxon	3.62	+
43 Newport Roman Villa	Roman	15.95	
44 The Solent Bramble Bank (1988)	Modern	Not calculated	+
45 Browndown (1988)	Modern	"	+
46 Lee on Solent (1988)	Modern	"	-
47 Lepe Bank (1988)	Modern	"	+
48 Lyminster/Pennington	Modern	"	+
49 Newtown Bank (1988)	Modern	"	+
50 North Channel (1988)	Modern	"	-
51 Osborne /Mother Bank	Modern	"	+
52 Ryde Middle (1988)	Modern	"	+
53 Sowley Ground (1987)	Modern	"	-
54 Sowley Ground (1988)	Modern	"	+
55 Thorn Knoll (1988)	Modern	"	+
56 Warner Shoal (1988)	Modern	"	+
57 Yarmouth (1988)	Modern	"	+

Significant difference indicated by value greater than 2 or +
 No significant difference indicated by values less than 2 or -
 0.01 level of confidence

Only size frequencies were available for modern Solent oysters therefore
 some calculations not possible.

TABLE 9.11a
T TEST RESULTS OF SIZE COMPARISONS BETWEEN BURY ST EDMUNDS AND EAST COAST
SAMPLES OF OYSTERS

KEY TO SAMPLE NUMBERS

EAST COAST SITES

1	Bury St Edmunds Abbey Gp 5a	11	River Roach natives 1960/61
2	Burrow Hill M036	12	North Shoebury 0304A s113
3	Burrow Hill F50 AB30	13	North Shoebury 1036 s299
4	Burrow Hill CR70	14	North Shoebury 1150 s422
5	Leiston Abbey 103 (W)	15	North Shoebury 1150B s446
6	River Ore natives 1960/61	16	North Shoebury 1563 s1063B
7	Cam 70 E19 F316 L8 s1	17	North Shoebury 1364B s917B
9	Colchester Feast (JH)		
10	River Colne natives 1960/61		

SAMPLE	2	3	4	5	7	9	10
1 Bury Gp 5A	0.18	1.16	0.43	12.60	9.50	4.79	10.84
2 Burrow M036		1.22	0.19	10.65	8.55	4.22	9.25
3 Burrow AB30			1.69	15.36	8.99	3.84	10.66
4 Burrow CR74				13.05	10.60	5.68	12.60
5 Leiston 103					27.18	23.29	39.81
7 Cam 70 s1						6.52	1.06
9 Col. Feast							8.08
10 Colne natives							

TABLE 9.11b

SAMPLE	11	12	13	14	15	16	17
1 Bury Gp 5A	10.22	4.80	8.61	8.50	7.88	0.40	8.72
2 Burrow M036	8.70	4.28	7.99	7.76	7.30	0.18	8.14
3 Burrow AB30	9.96	5.99	8.04	7.91	7.25	1.56	8.15
4 Burrow CR74	11.95	4.62	9.42	9.44	8.68	0.00	9.48
5 Leiston 103	39.82	4.62	21.96	24.13	21.55	11.73	21.31
7 Cam 70 s1	2.05	13.00	0.57	0.49	0.44	8.51	1.02
9 Colchester Feast	7.14	9.28	5.61	5.24	4.69	4.43	5.83
10 Colne natives	2.54	14.18	1.46	0.31	0.27	10.95	1.92

TABLE 9.11c

SAMPLE	11	12	13	14	15	16	17
11 Roach natives		13.70	2.16	1.15	0.99	10.35	2.58
12 Shoebury s113			12.06	12.12	18.44	4.38	12.09
13 Shoebury s229				0.95	0.89	8.82	0.42
14 Shoebury s422					0.00	8.72	1.36
15 Shoebury s446						8.12	1.28
16 Shoebury s1063B							8.93
17 Shoebury s917B							

TABLES 9.12a

T VALUES FROM SIZE COMPARISONS OF OYSTER SHELL SAMPLES FROM BURY ST EDMUNDS ABBEY AND THE EAST COAST COMPARED WITH SAMPLES FROM LONDON AND NORTH WESSEX

KEY TO SAMPLE NUMBERS

EAST COAST SITES

- 1 Bury St Edmunds Abbey Gp 5a, Suffolk
- 3 Burrow Hill F50 AB30, Suffolk
- 5 Leiston Abbey 103 (W), Suffolk
- 6 River Ore natives 1989 Suffolk
- 7 Cam 70 E19 F316 L8 s1, Essex
- 9 Colchester Feast (H), Essex
- 10 River Colne natives 1960/61 Essex
- 11 River Roach natives 1960/61 Essex
- 12 North Shoebury 0304A s113, Essex
- 14 North Shoebury 1150 s422, Essex
- 16 North Shoebury 1563 s1063B, Essex

LONDON SITES

- 18 Pudding Lane 1470, London
- 19 Pudding Lane 1714, London
- 20 Moorgate 51, London
- 21 Guildhall 309, London

NORTH WESSEX SITES

- 22 Reading Abbey Wharf 4, Berks
- 23 Reading Abbey Wharf 5, Berks
- 24 Reading Abbey Wharf 6, Berks
- 25 Reading Abbey Wharf 7, Berks
- 26 Cross St, Wokingham 131+, Berks
- 27 Salisbury Brown St ph5, Wilts

EAST COAST SAMPLES COMPARED WITH LONDON SAMPLES OF OYSTERS

SAMPLE	18	19	20	21
1 Bury Gp 5A	3.52	12.75	2.21	3.55
3 Burrow AB30	2.48	12.44	1.45	2.62
5 Leiston 103	20.36	27.58	10.87	16.97
7 Cam 70 s1	7.29	4.90	4.30	5.57
9 Colch Feast	1.41	10.45	0.82	0.57
10 Colne natives	9.05	6.78	4.19	6.03
11 Roach natives	8.21	7.58	3.74	5.34
12 Shoebury s113	8.16	15.64	5.80	7.83
14 Shoebury s422	6.19	5.04	3.86	4.81
16 Shoebury s1063B	3.88	12.88	2.48	3.87

TABLE 9.12b
EAST COAST SAMPLES COMPARED WITH NORTH WESSEX SAMPLES OF OYSTERS

SAMPLE	22	23	24	25	26	27
1 Bury Gp5A	0.16	2.33	1.18	0.41	3.60	1.08
3 Burrow AB30	1.06	3.55	1.93	0.43	4.63	0.23
5 Leiston 103	8.96	9.23	5.92	9.13	5.01	10.43
7 Cam 70 s1	7.32	11.63	6.95	6.37	10.90	6.05
9 Colch Feast	3.68	7.26	4.02	2.87	7.44	2.33
10 Colne natives	7.57	13.27	6.98	6.48	11.54	6.17
11 Roach natives	7.10	12.65	6.61	6.03	11.09	5.67
12 Shoebury s113	3.85	2.71	2.28	4.23	0.74	4.99
14 Shoebury s422	6.73	10.58	6.52	5.86	10.20	5.50
16 Shoebury s1063B	0.16	1.86	0.92	0.71	3.24	1.38

TABLES 9.12c

T VALUES FROM SIZE COMPARISONS BETWEEN OYSTER SHELL SAMPLES FROM BURY ST EDMUNDS ABBEY AND THE EAST COAST COMPARED WITH SOUTH COAST SAMPLES

KEY TO SAMPLE NUMBERS

EAST COAST SITES

1 Bury St Edmunds Abbey Gp 5A
 2 Burrow Hill M035
 3 Burrow Hill F50 AB30
 4 Burrow Hill CR74
 5 Leiston Abbey 103 (W)
 6 River Ore natives
 7 Cam 70 E19 F316 L8 s1
 9 Colchester Feast (H) 1.71
 10 River Colne natives
 11 River Roach natives
 12 North Shoebury 0304A s113
 13 North Shoebury 1036 s299
 14 North Shoebury 1150 s422
 15 North Shoebury 1150B s446
 16 North Shoebury 1563 s1063B
 17 North Shoebury 1364B s917B

SOUTH COAST SITES

28 Poole Bay 11.11.87
 29 Poole Bay 17.11.87
 30 South Deep 17.11.87
 31 Wych Channel 11.11.87
 32 Thames St, Poole PM9 F50
 33 Paradise St, Poole PM21 L53-57
 34 Paradise St, Poole PM21 L58 ran
 35 Paradise St, Poole PM21 502.206
 36 Paradise St, Poole PM21 L58 all
 37 Shipwrights Arms, Hamworthy PM32 s1-5
 38 Shipwrights Arms, Hamworthy PM32 s6-10
 39 Owslebury, Hants 642 L7 (Owsle 13)
 40 Owslebury, Hants 642 L8-14 (Owsle 14)
 41 Six Dials, Southampton 8568
 42 Six Dials, Southampton 8709
 43 Newport Roman Villa, IoW

EAST COAST SAMPLES COMPARED WITH MODERN OYSTERS FROM POOLE, DORSET

SAMPLE	28	29	30	31
1 Bury Gp 5A	10.49	10.37	20.71	23.60
2 Burrow M036	9.40	9.34	18.63	21.05
3 Burrow AB30	10.07	9.94	21.04	24.25
4 Burrow CR74	11.68	11.52	22.36	25.55
5 Leiston 103	28.73	27.97	39.38	44.36
7 Cam 70 s1	1.06	1.12	13.31	16.39
9 Colchester Feast	7.57	7.45	20.16	23.96
10 Colne natives	2.53	2.54	17.95	22.63
11 Roach natives	3.57	3.52	19.05	23.93
12 Shoebury s113	13.82	13.72	22.34	24.68
13 Shoebury s299	0.29	0.35	10.59	12.96
14 Shoebury s422	1.47	1.52	12.87	15.68
15 Shoebury s446	1.33	1.38	11.83	14.31
16 Shoebury s1063B	10.62	10.54	20.63	23.43
17 Shoebury s917B	0.21	0.14	9.69	1.49

TABLE 9.12d
EAST COAST SAMPLES COMPARED WITH ARCHAEOLOGICAL OYSTERS FROM POOLE, DORSET

SAMPLE	32	33	34	35	36	37	38
1 Bury Gp 5A	21.39	5.48	8.80	6.04	10.24	13.00	12.30
2 Burrow M036	18.53	5.30	8.32	5.77	9.23	12.11	11.66
3 Burrow AB30	22.25	4.84	8.25	5.37	9.79	12.65	11.90
4 Burrow CR74	23.73	5.95	9.45	6.59	11.46	13.88	12.99
5 Leiston 103	48.17	14.60	19.72	16.48	27.62	25.53	22.67
7 Cam 70 s1	22.38	2.72	6.14	3.07	7.29	10.80	10.15
9 Colchester Feast	13.00	0.92	1.88	1.02	1.03	5.99	6.08
10 Colne natives	22.23	0.47	2.74	0.54	2.39	7.59	7.92
11 Roach natives	24.41	0.00	3.31	0.00	3.34	8.26	7.84
12 Shoebury s113	22.53	8.80	11.99	9.52	13.60	15.78	15.04
13 Shoebury s299	9.43	1.23	1.25	1.35	2.00	4.84	5.12
14 Shoebury s422	12.26	0.57	2.16	0.64	1.43	6.10	6.20
15 Shoebury s446	10.88	0.55	2.05	0.60	1.30	5.75	5.92
16 Shoebury s1063B	21.18	5.71	8.99	6.28	10.41	13.13	12.45
17 Shoebury s917B	1.35	1.54	0.85	1.68	0.20	4.30	4.65

TABLE 9.12e
EAST COAST SAMPLES COMPARED WITH ARCHAEOLOGICAL OYSTERS FROM SOUTHAMPTON REGION

SAMPLE	39	40	41	42	43
1 Bury Gp 5A	9.67	11.21	3.62	4.90	15.95
2 Burrow M036	8.89	9.91	4.59	3.50	13.66
3 Burrow AB30	9.16	10.91	4.07	2.81	16.36
4 Burrow CR74	10.59	12.59	5.58	4.14	18.06
5 Leiston 103	24.19	32.01	18.53	14.61	44.35
7 Cam 70 s1	6.77	8.48	1.06	0.14	5.87
9 Colchester Feast	1.36	1.25	4.03	4.13	15.38
10 Colne natives	2.50	3.12	4.11	4.08	13.03
11 Roach natives	3.28	4.38	3.41	3.52	15.66
12 Shoebury s113	13.03	14.45	8.97	7.53	18.14
13 Shoebury s299	0.65	0.38	3.95	4.34	3.72
14 Shoebury s422	1.71	1.66	3.36	3.58	5.78
15 Shoebury s446	1.58	1.49	3.11	3.38	5.05
16 Shoebury s1063B	9.86	11.35	5.19	3.92	15.89
17 Shoebury s917B	0.19	0.14	4.24	4.38	2.95

Figures in bold denote no significant difference

FIGURE 9.40
SIMILARITY IN SIZE OF OYSTER SHELLS BETWEEN THE GROUP 5A SAMPLE FROM BURY
ST EDMUNDS ABBEY AND ARCHAEOLOGICAL SAMPLES FROM OTHER REGIONS

BURY ST EDMUNDS ABBEY, SUFFOLK		
EAST COAST	LONDON & NORTH WESSEX	SOUTH COAST
2 Burrow Hill M036	20 Moorgate 51	None
3 Burrow Hill AB30	22 Reading Abbey Wharf period 4	
4 Burrow Hill CR74	23 Reading Abbey Wharf period 5	
16 North Shoebury 1063B	24 Reading Abbey Wharf period 6	
	25 Reading Abbey Wharf period 7	
	27 Salisbury, Brown St phase 5	
[4 of 12 samples compared]	[6 of 10 samples compared]	[0 of 12]

FIGURE 9.4-1

% OF RESULTS SHOWING NO SIGNIFICANT DIFFERENCE IN SIZE OF OYSTER SHELLS IN COMPARISONS BETWEEN SAMPLES FROM DIFFERENT REGIONS

	SOUTHAMPTON	POOLE	N.WESSEX & LONDON	EAST COAST
SOUTHAMPTON				
a	25%	11%	2%	16%
b	137	49	4	14
c	536	463	225	88
d	861	1386	1092	630
POOLE				
a		32%	1%	22%
b		156	1	36
c		483	142	165
d		528	858	495
N. WESSEX & LONDON				
a			37%	20%
b			38	20
c			102	100
d			663	390
EAST COAST				
a				21%
b				28
c				130
d				153

- a % of NO significant difference results
 b Number of NO significant difference results
 c Number of comparisons actually made
 d Potential number of comparisons

TABLE 9.13

OVERALL MEAN SIZE OF OYSTERS FROM DIFFERENT CATEGORIES OF SITE

Measurements in millimetres

	L V	N	R V	N
INLAND	77.1	4808	65.6	8330
COASTAL	83.3	8725	67.9	5137
=====				
URBAN	75.9	5451	66.5	6186
RURAL	78.2	4736	66.3	7284
=====				
ROMAN	80.4	4075	71.5	4740
SAXON	74.5	3550	65.2	3563
MEDIEVAL	75.2	1892	64.4	2570
POST-MEDIEVAL	69.6	654	58.8	2422
MODERN	78.3	3346	not measured	
=====				
SOUTHAMPTON REGION	77.7	3808	70.0	4088
POOLE REGION	84.5	2996	72.1	2942
N.WESSEX & LONDON	71.6	2484	61.0	5439
EAST COAST REGION	74.9	4306	62.0	1099
=====				

Mean size of oyster shells from various periods

Size in mm

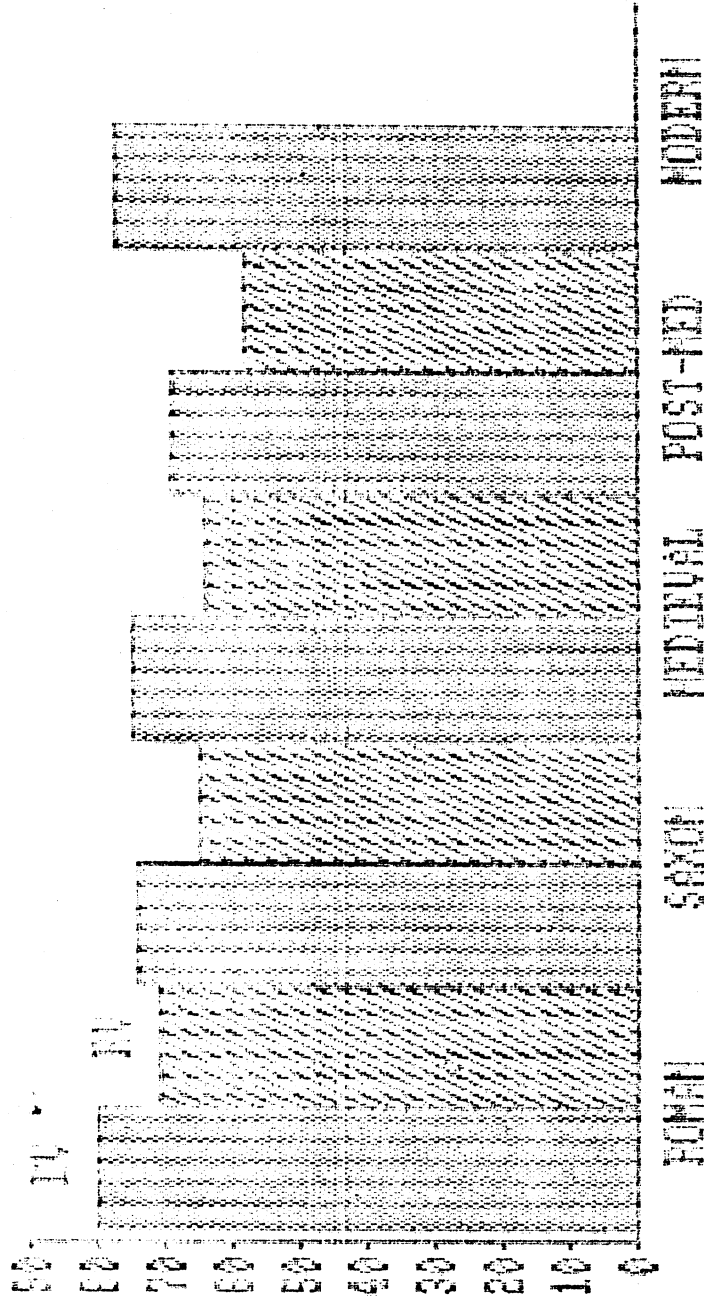


TABLE 9.14

KEY TO SAMPLES USED IN COMPARISONS OF ROMAN SITES

1	Greyhound Yard ARB
2	Pudding Lane 3218
3	Pudding lane 1714
4	Pudding Lane 1728
5	Colchester sample 1
6	Colchester sample 2
7	Owslebury 1
8	Owslebury 2
9	Owslebury 3
10	Owslebury 4
11	Owslebury 5
12	Owslebury 6
13	Owslebury 7
14	Owslebury 8
15	Owslebury 9
16	Owslebury 10
17	Owslebury 11
18	Owslebury 12
19	Owslebury 13
20	Owslebury 14
21	Alington Avenue Phase 40
22	Newport Roman Villa Total sample
23	Newport Roman Villa sample 1
24	Newport Roman Villa sample 2
25	North Shoebury 229
26	North Shoebury 422
27	North Shoebury 446
28	North Shoebury 1063B
29	North Shoebury 917B

KEY TO SAMPLES USED IN COMPARISONS OF SAXON SITES

30	Guildhall House 409
31	Guildhall House 309
32	Pudding Lane 1470
33	Bury St Edmunds Abbey Group 5a
34	Six Dials 8568
35	Six Dials 8600
36	Six Dials 8686
37	Six Dials 8709
38	Six Dials 9959
39	Six Dials 11151
40	Six Dials 11275
41	Six Dials 242
42	Six Dials 667
43	Six Dials 896
44	Six Dials 3571
45	Six Dials 9901
46	Six Dials 9820
47	Poole, Shipwright's Arms PM32 1-5
48	Poole, Shipwright's Arms PM32 6-10
49	Poole, Shipwright's Arms PM32 1-10
50	Burrow Hill M036
51	Burrow Hill AB30
52	Burrow Hill CR74

TABLE 9.16

KEY TO SAMPLES USED IN COMPARISONS OF MEDIEVAL SITES

53	Greyhound Yard EM
54	Salisbury, Brown Street Phase 2
55	Salisbury, Brown Street Phase 3a
56	Reading Abbey Wharf Period 4
57	Reading Abbey Wharf Period 5
58	Moorgate 65
59	Moorgate 51.T
60	Bury St Edmunds Abbey Medieval
61	Poole, Thames Street F50
62	North Shoebury 0304A 113
63	Lodge Farm 192
64	Ludgershall Castle h14
65	Ludgershall Castle h15
66	Poole, Paradise Street 53-57
67	Poole, Paradise Street 58 random
68	Poole, Paradise Street 502.206
69	Poole, Paradise Street 58 all
70	Poole, Shipwright's Arms 1-5
71	Poole, Shipwroght's Arms 6-10
72	Poole, Shipwright's Arms all
73	Ower Farm SP01 (1310)

TABLE 9.17

KEY TO SAMPLES USED IN COMPARISONS OF POST-MEDIEVAL SITES

74	Romsey, The Hundred
75	Salisbury, Brown Street Phase 5
76	Reading Abbey Wharf Period 6
77	Reading Abbey Wharf Period 7
78	Wokingham, Cross Street
79	Corfe Castle 0
80	Corfe Castle 1
81	Corfe Castle 2
82	Corfe Castle 3
83	Corfe Castle 4
84	Corfe Castle 5
85	Corfe Castle 6
86	Corfe Castle 7
87	Corfe Castle 8
88	Lodge Farm 122
89	Ludgershall Castle dj4
90	Ludgershall Castle dj6
91	Ludgershall Castle dl3
92	Ludgershall Castle dgd
93	Ludgershall Castle fgd
94	Leiston Abbey 103

TABLE 9.18

KEY TO SAMPLES USED IN COMPARISONS OF MODERN SITES

95	Solent, Sowley Ground 1987
96	Poole Bay, 11.11.87
97	Poole Bay, 17.11.87
98	Poole Harbour, South Deep 17.11.87
99	Poole Harbour, Wych Channel 11.11.87
100	Colchester Feast 1971 (JH)
101	River Colne
102	River Roach
103	Solent, Newtown Beds 1987

FIGURE 9.43

PERCENTAGE OF RESULTS SHOWING NO SIGNIFICANT DIFFERENCE IN SIZE OF OYSTERS IN COMPARISONS BETWEEN SAMPLES FROM DIFFERENT PERIODS

	ROMAN	SAXON	MEDIEVAL	P-MEDIEVAL	MODERN
ROMAN					
a	54%	20%	18%	1%	25%
b	109	62	40	1	40
c	202	313	225	122	161
d	406	667	609	609	261
=====					
SAXON					
a		32%	16%	18%	3%
b		41	28	7	3
c		129	175	38	99
d		253	483	483	207
=====					
MEDIEVAL					
a			25%	36%	23%
b			15	21	20
c			60	59	86
d			210	441	189
=====					
POST-MEDIEVAL					
a				91%	15%
b				39	7
c				43	47
d				210	189
=====					
MODERN					
a					14%
b					3
c					24
d					36
=====					
a	% of NO significant difference results				
b	Number of NO significant difference results				
c	Number of comparisons actually made				
d	Potential number of comparisons				

FIGURE 9.44

RESULTS FROM COMPARISONS OF SIZE IN OYSTER SHELLS FROM ROMAN SITES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	23	25	26	27	28	29
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	+	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	-	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5				+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12											+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13												-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14													-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15														-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16															-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17																-	-	-	-	-	-	-	-	-	-	-	-	-	-
18																	-	-	-	-	-	-	-	-	-	-	-	-	-
19																		-	-	-	-	-	-	-	-	-	-	-	-
20																			-	-	-	-	-	-	-	-	-	-	-
21																				+	/	/	/	/	/	/	/	/	/
22																					/	-	-	/	/	/	/	/	/
23																						/	-	/	/	/	/	/	/
24																													
25																													
26																													
27																													
28																													
29																													

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.45

RESULTS FROM COMPARISONS OF SIZE IN OYSTER SHELLS FROM ROMAN AND SAXON SITES

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	+	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	/
4	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	+	/	+	-	/	/	-	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
6	/	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
7	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	/	/
8	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	/
9	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	/
10	/	/	/	/	-	+	-	+	+	-	-	-	-	+	+	+	+	/	/	/	/	+	/
11	/	/	/	/	-	+	-	-	-	-	-	-	+	+	-	+	-	/	/	/	/	+	/
12	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	/
13	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	/
14	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	/
15	/	/	/	/	-	+	-	+	-	-	-	-	-	+	-	+	+	/	/	/	/	+	/
16	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	/
17	/	/	/	/	-	+	-	+	-	-	-	-	-	+	+	+	+	/	/	/	/	+	/
18	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	/
19	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	+
20	/	/	/	/	+	+	+	+	+	-	-	+	-	+	+	+	+	/	/	/	/	+	+
21	+	+	+	/	+	+	+	+	+	+	+	+	+	+	-	+	+	/	/	/	/	-	/
22	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	+	+	+	/	+	+	+	+	+	+	+	+	+	-	+	+	+	-	+	/	/	+	+
24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	/	/	+	+
25	/	/	/	+	+	/	/	+	/	/	/	/	/	/	/	/	/	+	+	/	/	+	+
26	/	+	+	+	+	/	/	+	/	/	/	/	/	/	/	/	/	+	+	/	/	+	+
27	/	/	/	+	+	/	/	+	/	/	/	/	/	/	/	/	/	+	+	/	/	+	+
28	/	+	+	-	+	/	/	+	/	/	/	/	/	/	/	/	/	+	+	/	/	-	-
29	/	/	/	+	+	/	/	+	/	/	/	/	/	/	/	/	/	+	+	/	/	+	+

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9. 46

RESULTS FROM COMPARISONS OF SIZE IN OYSTER SHELLS FROM ROMAN AND MEDIEVAL SITES

	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
1	/	+	+	/	/	/	/	/	-	/	/	/	/	+	+	+	+	+	+	+	/
2	/	+	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	+	+	/	/	/	/	/	/	+	/	/	/	/	/	/	/	/	/	/	/
4	/	+	+	/	/	/	/	/	/	+	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	+	+	/	+	/	/	+	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	+	+	+	/	/	/	/	/	+	/	/	+	+	-	-	/	/	/	/	+	/
8	+	+	+	/	/	/	/	/	+	/	/	+	+	+	+	/	/	/	/	+	/
9	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
10	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
11	+	+	+	/	/	/	/	/	+	/	/	+	+	+	+	/	/	/	/	+	/
12	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
13	+	+	+	/	/	/	/	/	+	/	/	+	+	+	+	/	/	/	/	+	/
14	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
15	+	+	+	/	/	/	/	/	+	/	/	+	+	-	-	/	/	/	/	+	/
16	+	+	+	/	/	/	/	/	+	/	/	+	+	-	-	/	/	/	/	+	/
17	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
18	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
19	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
20	+	+	+	/	/	/	/	/	+	/	/	+	+	-	+	/	/	/	/	+	/
21	+	+	+	/	/	+	+	/	-	/	/	+	+	/	+	/	/	/	/	-	/
23	+	+	+	/	/	+	+	/	+	/	/	+	+	/	-	/	/	/	/	-	/
24	+	+	+	/	/	+	+	/	+	+	/	+	+	/	-	/	/	/	/	-	/
25	/	/	/	/	/	/	/	/	+	+	/	/	/	-	-	-	-	+	+	/	/
26	/	/	/	+	+	/	+	/	+	+	/	/	/	-	-	-	-	+	+	/	/
27	/	/	/	/	/	/	/	/	+	+	/	/	/	-	-	-	-	+	+	/	/
28	/	/	/	-	-	/	+	/	+	+	/	/	/	+	+	+	+	+	+	/	/
29	/	/	/	/	/	/	/	/	-	+	/	/	/	-	-	-	-	+	+	/	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9. 4-7

COMPARISONS OF SIZE IN OYSTER SHELLS FROM ROMAN AND POST-MEDIEVAL SITES

	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
1	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	+	+	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
7	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
8	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
9	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
10	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
11	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
12	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
13	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
14	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
15	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
16	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
17	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
18	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
19	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	+
20	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	+
21	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
23	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	/
24	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+	+	+	+	+	+
25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
26	/	+	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
27	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
28	/	-	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
29	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9. 4-8

COMPARISONS OF SIZE IN OYSTER SHELLS FROM ROMAN AND MODERN SITES

	95	96	97	98	99	100	101	102	103
1	/	/	/	+	+	/	/	/	/
2	/	/	/	+	/	/	/	/	/
3	/	/	/	+	/	+	+	+	/
4	/	/	/	+	/	/	/	/	/
5	/	-	-	+	+	+	-	+	/
6	/	/	/	/	/	/	/	/	/
7	+	+	+	+	+	/	/	/	-
8	+	+	+	+	+	/	/	/	-
9	+	+	+	+	+	/	/	/	-
10	+	+	+	+	+	/	/	/	-
11	+	+	+	+	+	/	/	/	-
12	+	+	+	+	+	/	/	/	-
13	+	+	+	+	+	/	/	/	-
14	+	+	+	+	+	/	/	/	-
15	+	+	+	+	+	/	/	/	-
16	+	+	+	+	+	/	/	/	-
17	+	+	+	+	+	/	/	/	-
18	+	+	+	+	+	/	/	/	-
19	+	+	+	+	+	-	+	+	-
20	+	+	+	+	+	-	+	+	-
21	+	-	-	+	+	/	/	/	+
23	+	-	-	+	+	/	/	/	+
24	+	-	-	+	+	+	+	+	+
25	/	-	-	+	+	+	-	+	/
26	/	-	-	+	+	+	-	-	/
27	/	-	-	+	+	+	-	-	/
28	/	+	+	+	+	+	+	+	/
29	/	-	-	+	-	+	-	+	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.49

COMPARISONS OF SIZE IN OYSTER SHELLS FROM SAXON SITES

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
30	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31		/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	/
32			+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	/
33				+	/	/	+	/	/	/	/	/	/	/	/	/	/	+	+	/	-	-	-
34					+	-	+	-	-	-	-	+	+	-	+	+	/	/	+	+	+	+	+
35						+	-	-	+	+	+	+	+	-	+	-	/	/	+	/	/	/	/
36							+	-	-	-	-	+	+	-	+	-	/	/	+	/	/	/	/
37								-	+	+	+	+	+	-	+	-	/	/	+	+	+	+	+
38									-	+	-	+	-	+	+	-	/	/	+	/	/	/	/
39										-	-	-	+	-	+	+	/	/	+	/	/	/	/
40											-	-	+	+	+	+	/	/	+	/	/	/	/
41													+	+	-	+	-	/	/	+	/	/	/
42														+	+	+	+	/	/	+	/	/	/
43															+	+	+	/	/	-	/	/	/
44																+	-	/	/	+	/	/	/
45																	+	/	/	+	/	/	/
46																		/	/	+	/	/	/
47																			-	/	+	+	+
48																				/	+	+	+
49																					/	/	/
50																							-
51																							-
52																							-

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9. 50

COMPARISONS OF SIZE IN OYSTER SHELLS FROM SAXON AND MEDIEVAL SITES

	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	
30	/	+	+	/	/	-	+	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/
31	/	+	+	/	/	-	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	/	+	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	/	/	/	/	/	/	-	+	+	+	/	/	/	+	+	+	+	+	+	/	/	/
34	/	+	+	/	/	/	/	/	+	+	/	/	/	+	+	-	+	/	/	+	/	/
35	/	+	+	/	/	/	/	/	+	/	/	/	/	+	+	+	+	/	/	+	/	/
36	/	+	+	/	/	/	/	/	+	/	/	/	/	+	+	-	+	/	/	+	/	/
37	/	+	+	/	/	/	/	/	+	+	/	/	/	+	+	-	+	/	/	+	/	/
38	/	+	+	/	/	/	/	/	+	/	/	/	/	+	+	-	+	/	/	+	/	/
39	/	+	+	/	/	/	/	/	+	/	/	/	/	-	+	-	-	/	/	+	/	/
40	/	+	+	/	/	/	/	/	+	/	/	/	/	-	+	-	-	/	/	+	/	/
41	/	+	+	/	/	/	/	/	+	/	/	/	/	+	+	-	+	/	/	+	/	/
42	/	+	+	/	/	/	/	/	+	/	/	/	/	-	+	+	-	/	/	+	/	/
43	/	+	+	/	/	/	/	/	-	/	/	/	/	+	+	+	+	/	/	-	/	/
44	/	+	+	/	/	/	/	/	+	/	/	/	/	+	+	-	+	/	/	+	/	/
45	/	-	-	/	/	/	/	/	+	/	/	/	/	+	+	+	+	/	/	+	/	/
46	/	+	+	/	/	/	/	/	+	/	/	/	/	+	+	-	+	/	/	+	/	/
47	+	+	+	/	/	/	/	/	-	+	/	/	/	+	+	+	+	-	-	/	/	/
48	+	+	+	/	/	/	/	/	-	+	/	/	/	+	+	+	+	-	-	/	/	/
49	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
50	/	/	/	/	/	/	/	/	+	+	/	/	/	+	+	+	+	+	+	/	/	/
51	/	/	/	/	/	/	-	/	+	+	/	/	/	+	+	+	+	+	+	/	/	/
52	/	/	/	/	/	/	/	/	+	+	/	/	/	+	+	+	+	+	+	/	/	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.51

COMPARISONS OF SIZE IN OYSTER SHELLS FROM SAXON AND POST-MEDIEVAL SITES

	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
30	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
31	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
33	/	-	-	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
34	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
35	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
38	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45	/	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
48	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
49	/	+	/	/	/	/	/	+	+	+	+	+	/	/	/	/	/	/	/	/	/	/
50	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
51	/	-	-	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
52	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.52

COMPARISONS OF SIZE IN OYSTER SHELLS FROM SAXON AND MODERN SITES

	95	96	97	98	99	100	101	102	103
30	/	/	/	+	/	/	/	/	/
31	/	/	/	+	/	-	+	+	/
32	/	/	/	+	/	-	+	+	/
33	-	+	+	+	+	+	+	+	+
34	/	+	+	+	+	+	+	+	/
35	/	+	+	+	+	/	/	/	/
36	/	+	+	+	+	/	/	/	/
37	/	+	+	+	+	+	+	+	/
38	/	+	+	+	+	/	/	/	/
39	/	+	+	+	+	/	/	/	/
40	/	+	+	+	+	/	/	/	/
41	/	+	+	+	+	/	/	/	/
42	/	+	+	+	+	/	/	/	/
43	/	+	+	+	+	/	/	/	/
44	/	+	+	+	+	/	/	/	/
45	/	+	+	+	+	/	/	/	/
46	/	+	+	+	+	/	/	/	/
47	/	+	+	+	+	+	+	+	/
48	/	+	+	+	+	+	+	+	/
49	/	/	/	/	/	/	/	/	/
50	/	/	/	/	/	+	+	+	/
51	/	/	/	/	/	+	+	+	/
52	/	/	/	/	/	+	+	+	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9. 53

COMPARISONS OF SIZE IN OYSTER SHELLS FROM MEDIEVAL SITES

	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
53	+	+	/	/	/	/	/	/	+	/	/	/	/	+	+	+	+	+	+	/	/
54		-	/	/	+	+	/	+	/	/	/	-	+	+	+	/	+	+	/	/	/
55			/	/	+	+	/	+	/	/	/	-	-	+	+	/	+	+	/	/	/
56				-	/	/	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/
57					/	/	/	/	+	/	/	/	/	/	/	/	/	/	/	/	/
58						+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59							/	/	+	/	/	/	/	/	/	/	/	/	/	/	/
60								/	/	/	/	/	/	/	/	/	/	/	/	/	/
61									+	/	/	/	/	+	+	+	+	-	-	/	/
62										/	/	/	/	+	+	+	+	+	+	/	/
63											/	/	/	/	/	/	/	/	/	/	-
64												/	/	/	/	/	/	/	/	/	/
65													/	/	/	/	/	/	/	/	/
66															-	-	-	+	+	/	/
67																-	-	+	+	/	/
68																	-	+	+	/	/
69																			/	/	/
70																				-	/
71																					/
72																					/
73																					/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.54

COMPARISONS OF SIZE IN OYSTER SHELLS FROM MEDIEVAL AND POST-MEDIEVAL SITES

	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
53	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
54	/	-	/	/	/	/	/	/	/	/	/	/	/	/	/	-	-	-	-	-	-	/
55	/	-	/	/	/	/	/	/	/	/	/	/	/	/	/	+	-	-	-	-	-	/
56	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
57	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
58	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
60	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
61	/	+	/	/	/	/	/	+	+	+	+	+	+	/	/	/	/	/	/	/	/	+
62	/	+	+	+	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
63	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
64	/	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
65	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
66	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
67	/	+	/	/	/	/	/	-	-	-	-	-	/	/	/	/	/	/	/	/	/	+
68	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
69	/	+	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
70	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
71	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
72	/	+	/	/	/	/	/	+	+	+	+	+	/	/	/	/	/	/	/	/	/	+
73	/	/	/	/	/	/	/	+	-	+	+	-	/	/	+	/	/	/	/	/	/	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.55

COMPARISONS OF SIZE IN OYSTER SHELLS FROM MEDIEVAL AND MODERN SITES

	95	96	97	98	99	100	101	102	103
53	/	-	-	+	+	/	/	/	/
54	+	+	+	+	+	/	/	/	+
55	+	+	+	+	+	/	/	/	+
56	/	/	/	/	/	+	+	+	/
57	/	/	/	/	/	+	+	+	/
58	/	/	/	+	/	+	/	/	/
59	/	/	/	+	/	-	+	+	/
60	/	/	/	/	/	/	/	/	/
61	/	+	+	+	+	+	+	+	/
62	/	/	/	/	/	+	+	+	/
63	/	/	/	/	/	/	/	/	/
64	/	/	/	+	/	/	/	/	/
65	/	/	/	+	/	/	/	/	/
66	/	-	-	+	+	-	-	-	/
67	/	-	-	+	+	-	+	+	/
68	/	-	-	+	+	-	-	-	/
69	/	-	-	+	+	-	+	+	/
70	/	+	+	+	+	+	+	+	/
71	/	+	+	+	+	+	+	+	/
72	/	/	/	/	/	/	/	/	/
73	/	+	+	+	+	/	/	/	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9. 56

COMPARISONS OF SIZE IN OYSTER SHELLS FROM POST-MEDIEVAL SITES

	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
74	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
75		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
76			-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
77				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
78					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+
79						/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
80							-	-	-	-	-	-	-	/	/	/	/	/	/	/	/	/
81								-	-	-	-	-	-	/	/	/	/	/	/	/	/	/
82									-	-	-	-	-	/	/	/	/	/	/	/	/	/
83										-	-	-	-	/	/	/	/	/	/	/	/	/
84											-	-	-	/	/	/	/	/	/	/	/	/
85												-	-	/	/	/	/	/	/	/	/	/
86													-	/	/	/	/	/	/	/	/	/
87														/	/	/	/	/	/	/	/	/
88															/	/	/	/	/	/	/	/
89																/	/	/	/	/	/	/
90																	/	/	/	/	/	/
91																		/	/	/	/	/
92																			/	/	/	/
93																				/	/	/
94																					/	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.57

COMPARISONS OF SIZE IN OYSTER SHELLS FROM POST-MEDIEVAL AND MODERN SITES

	95	96	97	98	99	100	101	102	103
74	/	/	/	/	/	/	/	/	/
75	+	+	+	+	+	+	+	+	+
76	/	/	/	/	/	+	+	+	/
77	/	/	/	/	/	+	+	+	/
78	/	/	/	/	/	/	/	/	/
79	/	/	/	/	/	/	/	/	/
80	/	/	/	/	/	/	/	/	/
81	/	-	-	+	+	/	/	/	/
82	/	-	-	+	+	/	/	/	/
83	/	+	+	+	+	/	/	/	/
84	/	+	+	+	+	/	/	/	/
85	/	-	-	+	+	/	/	/	/
86	/	/	/	/	/	/	/	/	/
87	/	/	/	/	/	/	/	/	/
88	/	/	/	/	/	/	/	/	/
89	/	/	/	+	/	/	/	/	/
90	/	/	/	+	/	/	/	/	/
91	/	/	/	+	/	/	/	/	/
92	/	/	/	+	/	/	/	/	/
93	/	/	/	+	/	/	/	/	/
94	/	+	+	+	+	+	-	+	/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made

FIGURE 9.58

COMPARISONS OF SIZE IN OYSTER SHELLS FROM MODERN SITES

	95	96	97	98	99	100	101	102	103
95	/	/	+	/	/	/	/	/	-
96		-	+	+	+	+	+	+	/
97			+	+	+	+	+	+	/
98				-	+	+	+	+	+
99						+	+	+	/
100							+	+	/
101								+	/
102									/
103									/

+ represents a significant difference in size
 - represents no significant difference in size
 / means that no comparison was made
