CONTEXT		OYSTER				WINKLE	MUSSEL	COCKLE	WHELK	DOG WHELK
		LV	UM	RV	UM					
SOU30 F2013 ⑦	c. 3541	0	2	1	0	0	0	0	0	0
SOU30 F2013 ⑩	c. 3571	55	44	43	28	220	FRAG	0	0	2
SOU30 F2013 ⑪	c. 3577	2 CLUTCH SHELLS								
SOU30 F2014 ①	c. 3295	4	0	1	0	3	0	0	0	0
SOU30 F2014 ①	c. 3296	3	0	1	2	1	0	0	0	0
SOU30 F2014 ⑦	c. 3574	3	1	1	1	0	0	0	0	0
SOU31 F2066 ①	c. 5429	3	6	1	2	0	0	0	0	0
SOU31 F2066 ②	c. 5436	3	5	3	2	0	2	0	0	0
SOU99/W36	c. 242	133	60	163	56	2	10	1	0	0
SOU99/W36	c. 667	282	48	226	27	16	1	0	0	0
SOU99/W36	c. 896	97	4	97	9	0	0	0	0	0
SOU169 T1	c. 8777	0	0	0	0	FRAGS	0	0	0	0
SOU169 T1	c. 9860	0	0	0	0	FRAGS	0	0	0	0
SOU169 T1	c. 11613	0	0	1	0	0	0	0	0	0
SOU169 T1	c. 11636	1	0	0	0	0	0	0	0	0
SOU169 T2 PIT8454	c. 8600	676	435	650	349	0	FRAG.	FRAG.	0	0
SOU169 T2 PIT8469	c. 8471	22	3	6	13	27	FRAG.	1	4	4
	c. 8472	6	0	7	1	0	FRAG.	0	0	0
	c. 8562	0	0	0	0	1	0	0	0	0
	c. 8563	2	1	1	1	3	0	0	0	0
	c. 8660	3	0	3	0	4	4	0	0	0
	c. 8663	1	0	3	0	3	0	0	0	0
	c. 8664	10	9	12	1	0	2	0	0	0
	c. 8696	2	0	0	1	0	2	0	0	0
	c. 8697	4	0	2	1	1	FRAG.	0	0	0
	c. 8698	24	0	14	0	1	1	0	0	0
	c. 8704	3	1	3	1	3	0	0	0	0
	c. 8705	2	0	0	0	1	3	0	0	0
	c. 8725	3	1	1	0	59	9	13	1	0
	c. 10266	20	1	6	0	7	0	0	0	0
	c. 10419	11	0	2	0	1	0	0	0	0
	c. 10563	3	0	1	0	0	0	0	0	0
	c. 11151	41	11	37	7	1	FRAG.	0	0	0
	c. 11275	50	6	51	17	4	4	0	0	0
	c. 11318	9	2	0	3	24	FRAG.	0	0	0
	c. 11342	0	0	0	0	2	0	0	0	0
	c. 11343	FRAG.	0	0	0	3	FRAG.	0	0	0
	c. 11344	1	0	0	0	5	0	0	0	0
	c. 11345	2	0	1	0	1	0	0	0	0

Table 4.1a Saxon Southampton: Numbers of shells for individual contexts

CONTEXT	OYSTER				WINKLE	MUSSEL	COCKLE	WHELK	DOG WHELK
	LV	UM	RV	UM					
SOU169 T2 PIT 8474 c. 8553	5	2	1	3	0	0	0	1	0
c. 8566	4	4	1	6	0	0	0	0	0
c. 8568	102	44	136	35	1	1	0	0	1
c. 9820	41	10	52	1	0	0	0	0	0
c. 9901	65	4	44	4	12	0	0	0	0
c. 9902	16	4	8	3	0	FRAG.	0	0	0
c. 9959	35	16	30	7	0	4	0	0	0
c. 9960	3	1	2	1	0	0	0	0	0
c. 10079	2	0	1	0	3	FRAG	0	0	0
c. 10080	16	4	9	5	5	4	0	0	0
c. 10176	9	7	4	4	1	2	0	0	0
c. 10179	5	0	3	2	0	0	0	0	0
c. 10180	2	2	2	0	1	2	0	0	0
c. 10196	3	0	1	0	0	0	0	0	0
c. 10198	1	0	0	1	0	2	0	0	0
SOU169 T2 PIT 8576 c. 8577	2	0	1	1	0	0	0	0	0
c. 8578	8	0	11	0	0	0	0	0	0
c. 8579	28	4	18	2	0	3	0	0	0
c. 8595	19	2	14	2	0	FRAG	0	0	0
c. 8686	142	11	144	15	60	2	3	0	0
c. 8709	106	15	65	12	12	1	0	0	0
c. 8710	5	0	1	2	29	1	1	2	0
c. 8721	0	1	1	1	17	9	0	0	0
c. 8733	0	1	0	0	14	0	0	0	0
c. 8736	1	0	2	0	58	0	0	0	0
c. 8846	0	0	1	0	1	0	0	0	0
c. 10970	11	2	6	0	145	3	5	3	0
c. 10971	1	0	0	0	2	0	0	0	0
c. 10990	7	0	3	1	2164	1	5	0	0
c. 11059	1	0	0	0	0	0	0	0	0
c. 11101	2	0	0	0	0	0	0	0	0
c. 11123	2	0	1	0	0	0	0	0	0
c. 11189	1	0	0	0	0	0	0	0	0
c. 12770	0	0	0	0	4	0	0	0	0
SOU169 T2 PIT 8723 c. 10263	0	0	0	0	0	11	1	0	0
c. 10264	0	0	0	0	3	1	0	0	1
c. 10379	2	0	2	0	29	FRAG	0	0	0
c. 10951	0	1	0	0	1	232	11	0	0
c. 10956	0	0	2	1	4	0	1	0	0
c. 11139	0	0	1	0	1	0	0	0	0
c. 11140	1	0	0	0	0	0	0	0	0

Table 4.1b Saxon Southampton: Numbers of shells for individual contexts

CONTEXT		OYSTER				WINKLE	MUSSEL	COCKLE	WHELK	DOG WHELK
		LV	UM	LV	UM					
SOU169 T2 PIT 8739	c.8739	0	0	1	0	2	0	0	0	0
	c.9812	1	0	0	0	1	0	0	1	0
	c.9817	0	0	0	0	1	0	0	0	0
	c.9818	0	0	0	0	1	FRAG	0	0	0
	c.9822	1	0	0	0	0	0	0	0	0
	c.9823	0	0	1	0	0	0	0	0	0
	c.9871	0	1	0	0	0	0	0	0	0
	c.9904	4	0	3	0	0	0	0	0	0
	c.10722	FRAG	0	0	0	4	FRAG	FRAG	0	0
	c.11104	0	0	0	0	0	0	0	0	0
	c.11127	0	0	0	0	5	0	0	0	0
	c.11129	0	0	0	0	0	FRAG	0	0	0
	c.11145	1	1	1	0	0	0	0	0	0
	c.11146	1	0	1	0	0	0	0	0	0
SOU169 PIT 11675 T2	c.11677	0	0	0	0	0	0	0	0	0
	c.11678	0	0	0	0	0	0	0	0	0
	c.11680	0	0	0	0	0	0	0	0	0
	c.11681	FRAG	0	0	0	5	FRAG	0	0	0
	c.11683	0	0	0	0	3	0	0	0	0
	c.11685	0	0	0	0	3	0	0	0	0
SOU169 T3	c.12[illegible]	0	0	2	0	0	0	0	0	0
	c.12371	2	0	2	0	0	0	0	0	0
	c.12505	0	0	0	0	5	0	0	0	0
	c.13133	0	0	1	0	0	0	0	0	0

Table 4.1c Saxon Southampton: Numbers of shells for individual contexts

CONTEXT TYPE		NUMBER	NUMBER MEASUREABLE	% MEASUREABLE	NUMBER UNMEASUREABLE	% UNMEASUREABLE
PRIMARY DITCH-FILL	LV	1	1	100·	0	
	RV	1	1	100	0	
PRE-STREET	LV	2	2	100·	0	
	RV	5	3	60·	2	40·0
WELLS	LV	112	107	95·5	5	4·5
	RV	112	100	89·3	12	10·7
ROAD SURFACE	LV	523	415	79·3	108	20·7
	RV	472	389	82·4	83	17·6
PITS	LV	2266	1612	71·1	654	28·9
	RV	1957	1422	72·7	535	27·3
		5451	4052	74·3	1399	25·7

LV Left valve
RV Right valve

Table 4.2 Saxon Southampton: Numbers of measurable and unmeasurable oyster shells

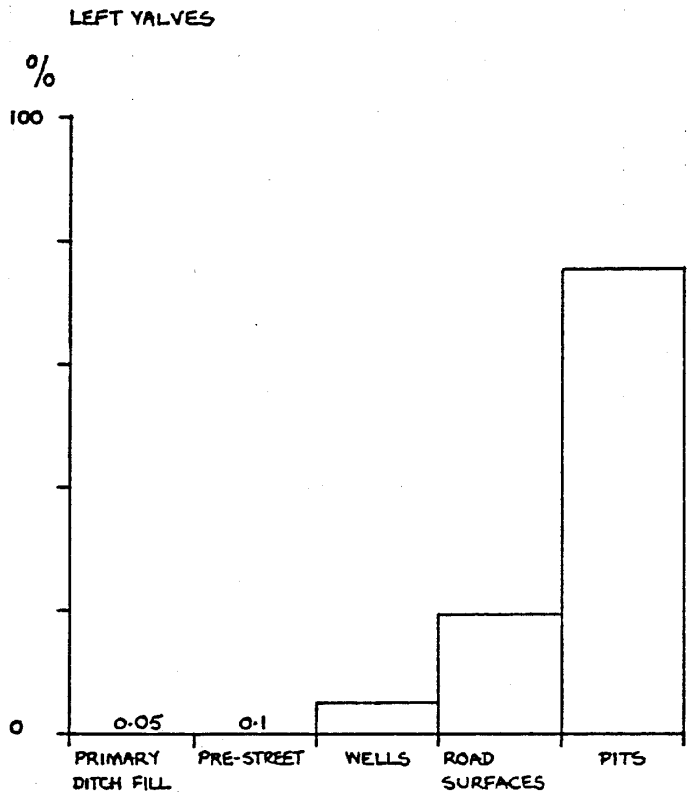


FIGURE 1a

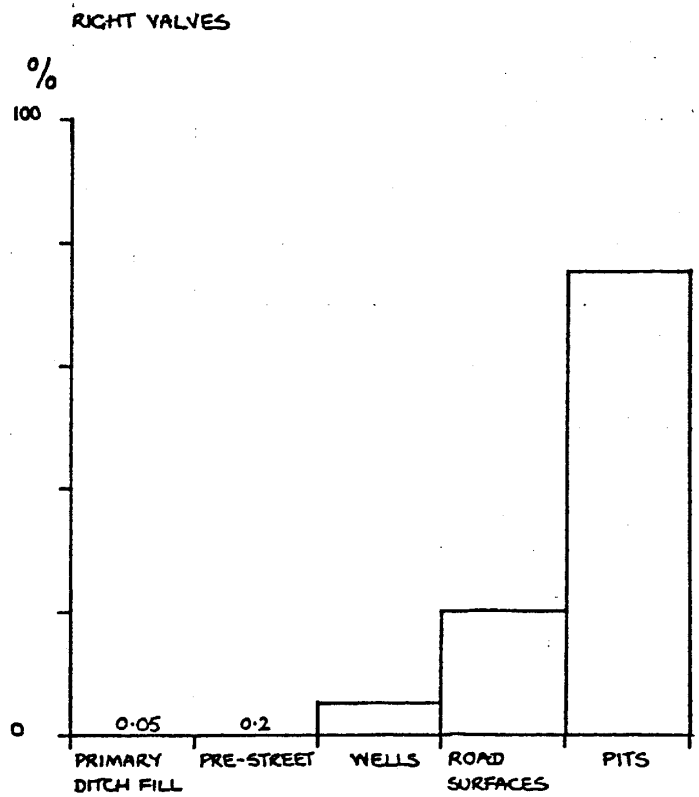


FIGURE 1b

Figure 4.1 Saxon Southampton: Percentage of oyster shells from each context type

CONTEXT TYPE	OYSTER				WINKLE		MUSSEL		COCKLE		WHELK		DOG WHELK	
	LV	%	RV	%	NO.	%	NO.	%	NO.	%	No.	%	NO.	%
PRIMARY DITCH FILL	1	0.05	1	0.05	0		0		0		0		0	
PRE - STREET	2	0.1	3	0.2	5	0.2	0		0		0		0	
WELLS	107	5.0	100	5.2	4	0.1			0		0		0	
ROAD SURFACES	415	19.4	389	20·3	18	0.6	11	3.5	1	2.4	0		0	
PITS	1612	75·4	1422	74.3	2963	99.1	304	95.9	41	97.6	12	100	8	100

LV LEFT VALVE
RV RIGHT VALVE

Table 4.3 Saxon Southampton: Numbers of shells for each context type

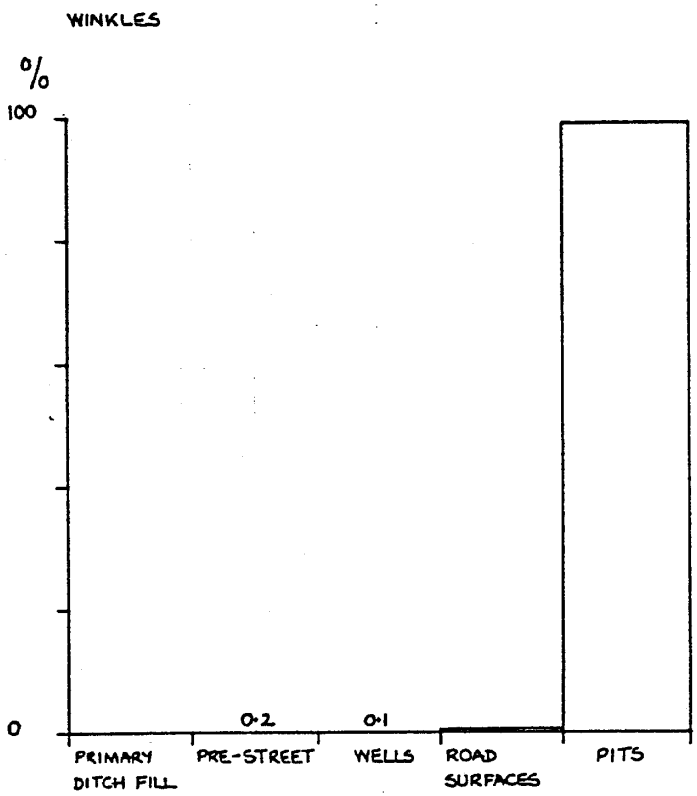


Figure 4.2

Saxon Southampton: Percentage of winkle shells from each context type

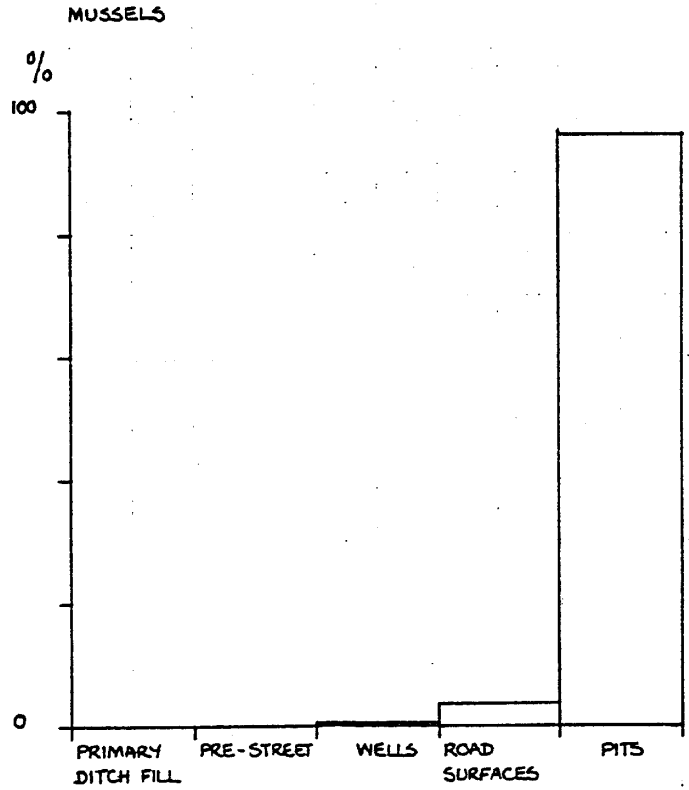


Figure 4.3

Saxon Southampton: Percentage of mussel shells from each context type

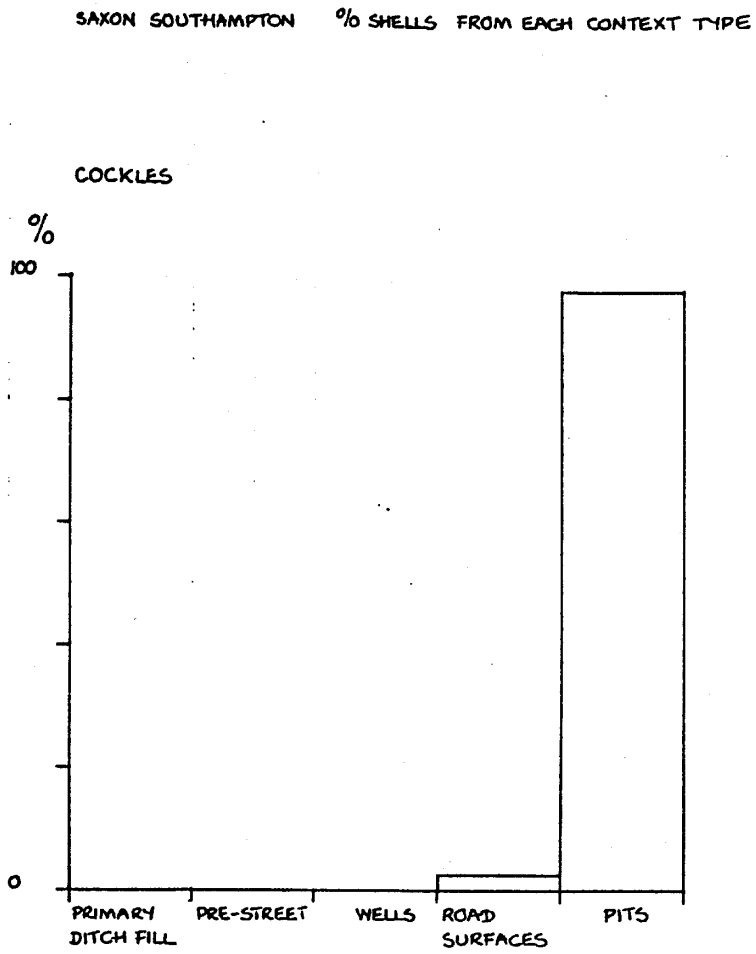


Figure 4.4 Saxon Southampton: Percentage of cockle shells from each context type

Table 4.4 Saxon Southampton: Size of oysters by context type (LVMW)

	CONTEXT	NUMBER	MIN IN mm	MAX IN mm	MEAN	STANDARD DEVIATION	S.ERROR OF MEAN
ROAD SURFACE	SOU 99 c. 242	133	50	101	73·89	8·51	0·74
	SOU 99 c. 667	282	41	115	77·45	13·08	0·78
WELL	SOU 99 c. 896	97	57	110	90·7	10·4	1·1
PITS	SOU 30 (10) F2013 c. 3571	53	48	105	75·	13·9	1·9
	SOU 169 PIT 8469 c. 11151	40	55	105	75	13·2	2·1
	SOU 169 PIT 8469 c. 11275	48	52	100	77·4	11·7	1·7
	SOU 169 PIT 8474 c. 8568	103	50	110	74·8	11·1	1·1
	SOU 169 PIT 8474 c. 9820	40	33	93	67·7	12·2	1·9
	SOU 169 PIT 8478 c. 9901	65	42	99	66·8	12·4	1·5
	SOU 169 PIT 8474 c. 9959	35	47	109	74·6	17·0	2·9
	SOU 169 PIT 8576 c. 8686	142	37	113	75·9	12·9	1·1
	SOU 169 PIT 8576 c. 8709	106	48	125	73·2	12·8	1·2
	SOU 169 PIT 8454 c. 8600	676	26	110	70·78	12·45	0·48

TABLE 4·4

Table 4.5 Saxon Southampton: Size of oysters by context type (LVML)

	CONTEXT	NUMBER	MIN IN mm	MAX IN mm	MEAN	STANDARD DEVIATION	S.ERROR OF MEAN
ROAD SURFACE	SOU 99 c.242	133	40	90	61.27	8.95	0.78
	SOU 99 c.667	283	35	125	70.16	13.87	0.82
WELL	SOU 99 c.896	97	50	105	79.5	11.3	1.2
PITS	SOU30 F2013⑩ c.3571	55	42	105	67.1	13.8	1.9
	SOU169 PIT 8469 c.11151	42	33	88	66.1	11.0	1.7
	SOU 169 PIT 8469 c.11275	48	45	91	68.1	10.4	1.5
	SOU 169 PIT 8474 c.8568	102	45	90	66.8	10.4	1.0
	SOU 169 PIT 8474 c.9820	40	35	87	61.6	11.9	1.9
	SOU 169 PIT 8474 c.9901	65	35	102	56.3	12.5	1.6
	SOU 169 PIT 8474 c.9959	34	35	94	63.7	12.0	2.1
	SOU 169 PIT 8576 c.8686	142	40	105	66.8	12.0	1.0
	SOU 169 PIT 8576 c.8709	106	40	99	66.0	12.2	1.2
	SOU 169 PIT 8454 c.3600	676	28	105	64.72	12.78	0.49

Table 4.6 Saxon Southampton: Size of oysters by context type (RVMW)

	CONTEXT	NUMBER	MIN IN mm	MAX IN mm	MEAN	STANDARD DEVIATION	S.ERROR OF MEAN
ROAD SURFACE	SOU99 c.242	163	35	105	66.98	12.26	0.96
	SOU99 c.667	226	38	105	71.39	11.91	0.79
WELL	SOU99 c.896	97	48	96	79.91	9.64	0.98
PITS	SOU30 F2013 ⓪ c.3571	43	25	90	64.3	12.7	1.9
	SOU169 PIT8469 c.11151	37	36	95	69.9	13.5	2.2
	SOU169 PIT8469 c.11275	51	50	95	70.4	11.2	1.6
	SOU169 PIT 8474 c.8568	134	41	90	67.34	9.16	0.79
	SOU169 PIT 8474 c.9820	48	25	80	55.0	13.8	2.0
	SOU169 PIT8474 c.9901	48	45	86	63.96	9.91	1.43
	SOU169 PIT8474 c.9959	30	37	90	64.93	8.99	1.64
	SOU169 PIT8576 c.8686	125	47	110	67.1	11.5	1.0
	SOU169 PIT 8576 c.8709	65	42	90	63.3	10.9	1.3
	SOU169 PIT 8454 c.8600	651	23	107	61.66	11.71	0.46

Table 4.7 Saxon Southampton: Size of oysters by context type (RVML)

	CONTEXT	NUMBER	MIN IN mm	MAX IN mm	MEAN	STANDARD DEVIATION	S. ERROR OF MEAN
ROAD SURFACE	SOU99 c.242	163	30	88	54.54	11.13	0.87
	SOU99 c.667	226	35	100	62.53	11.47	0.76
WELL	SOU99 c.896	97	33	87	69.15	9.23	0.94
PITS	SOU 30 F2013 ⑯ c.3571	44	21	87	55.3	11.1	1.7
	SOU169 PIT 8469 c.11151	36	30	77	58.5	12.3	2.0
	SOU 169 PIT 8469 c.11275	51	35	80	61.3	10.5	1.5
	SOU 169 PIT 8474 c.8568	135	35	80	60.26	9.43	0.81
	SOU 169 PIT 8474 c.9820	48	25	78	57.0	10.9	1.6
	SOU 169 PIT 8474 c.9901	44	25	75	49.0	11.0	1.7
	SOU 169 PIT 8474 c.9959	30	32	80	56.63	9.33	1.7
	SOU 169 PIT 8576 c 8686	144	37	93	58.69	9.68	0.81
	SOU 169 PIT 8576 c.8709	65	39	79	55.4	9.96	1.24
	SOU 169 PIT 8454 c. 8600	650	19	93	54.89	11.17	0.44

FIGURE 4.5.a

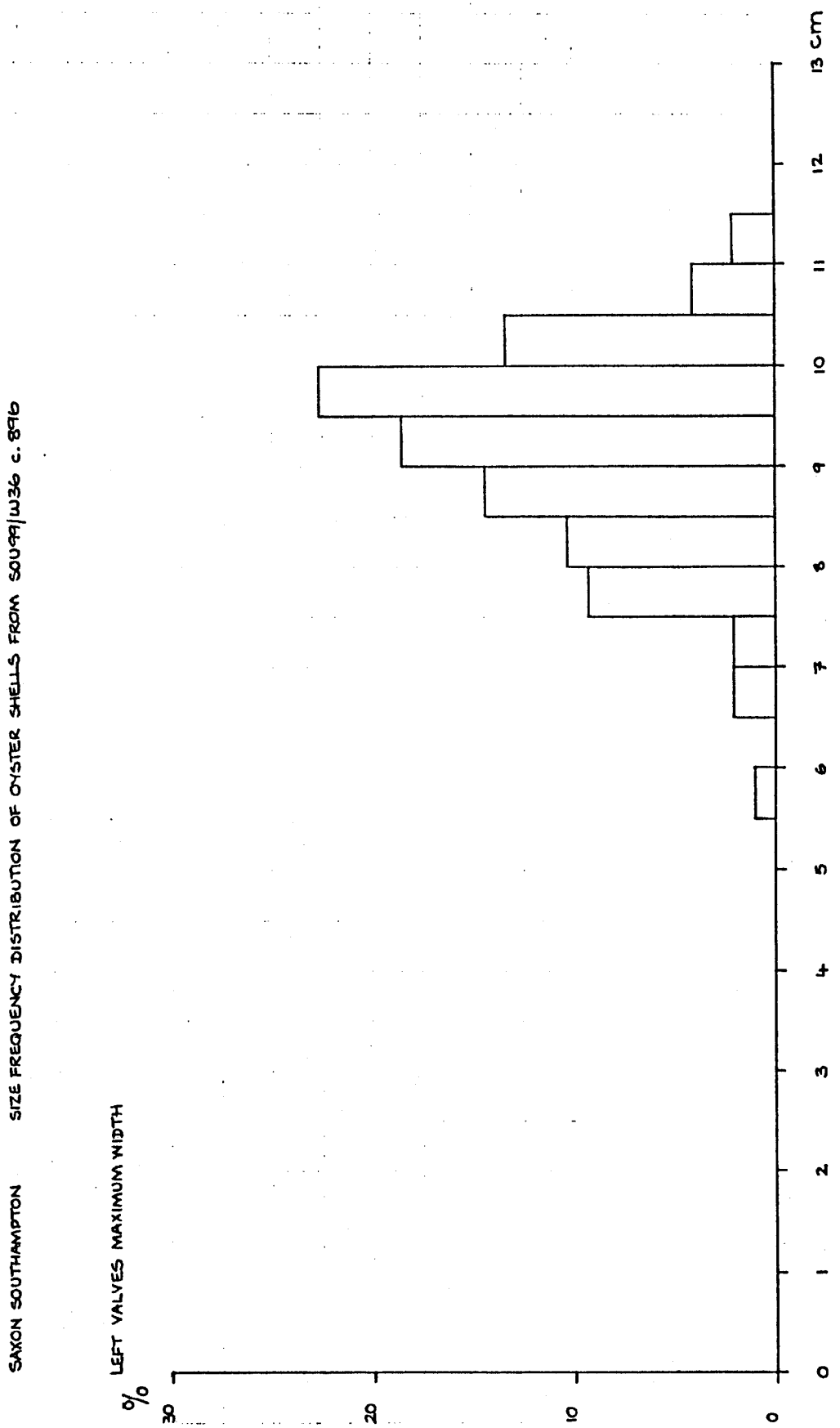

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU99/W36 c. 890
% LEFT VALVES MAXIMUM WIDTH
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 cm

FIGURE 4.5.b

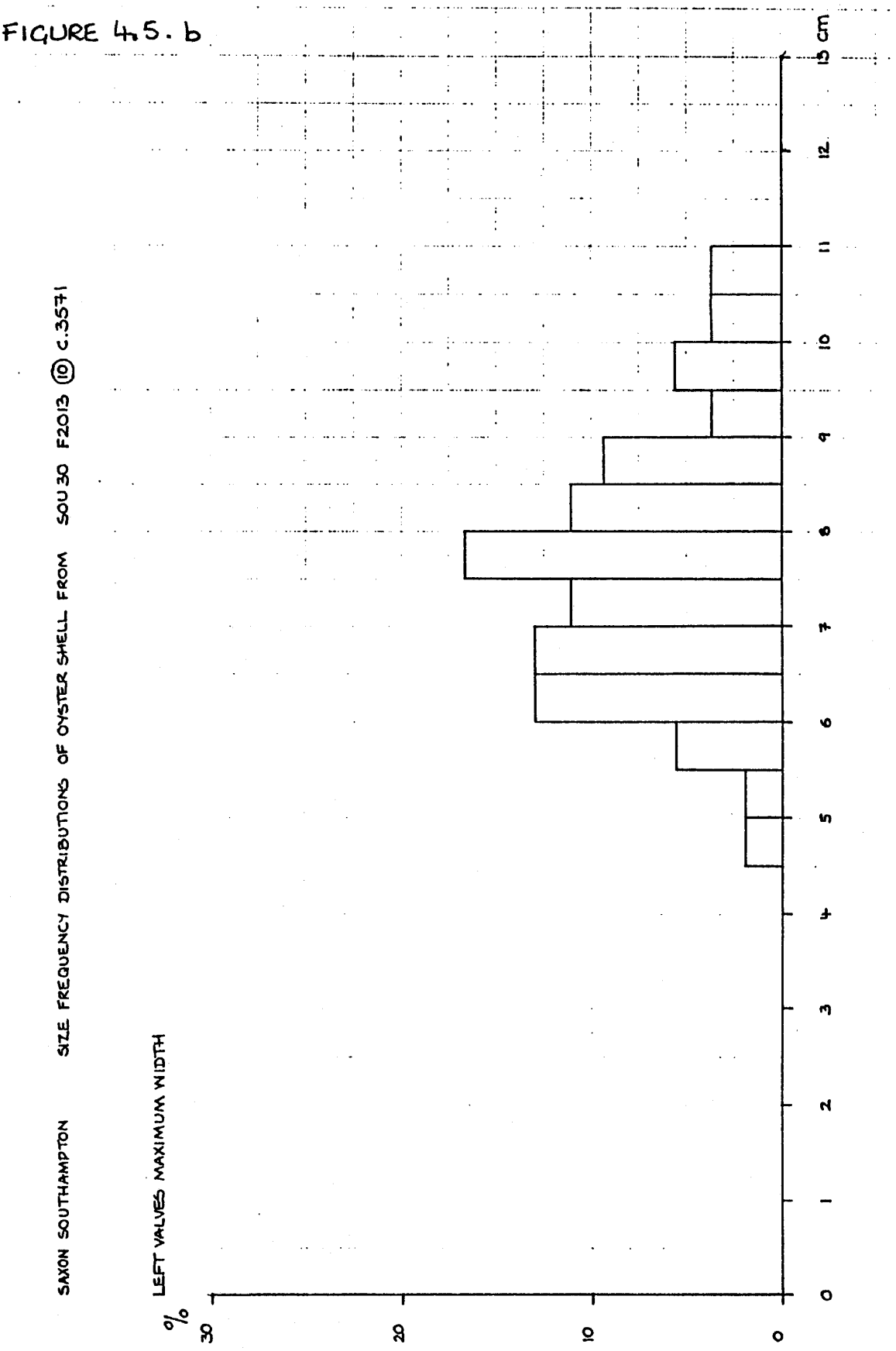

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTIONS OF OYSTER SHELL FROM SOU 30 F2013 ⑩ c.3571
LEFT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
cm

FIGURE 4.5.C

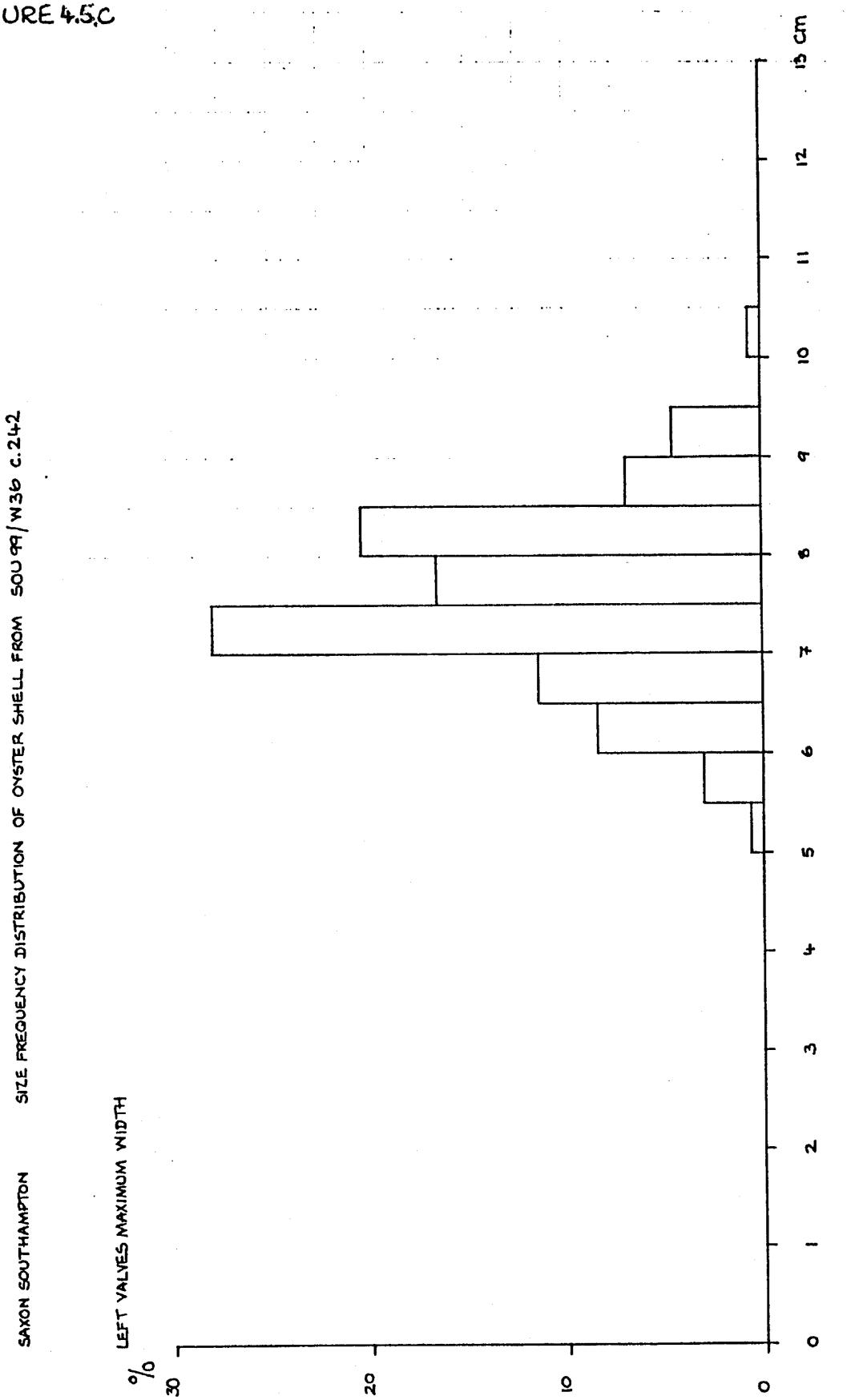

SAXON SOUTHAMPTON
SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELL FROM SOU 99/W36 c.242
LEFT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 cm

FIGURE 4.5.d

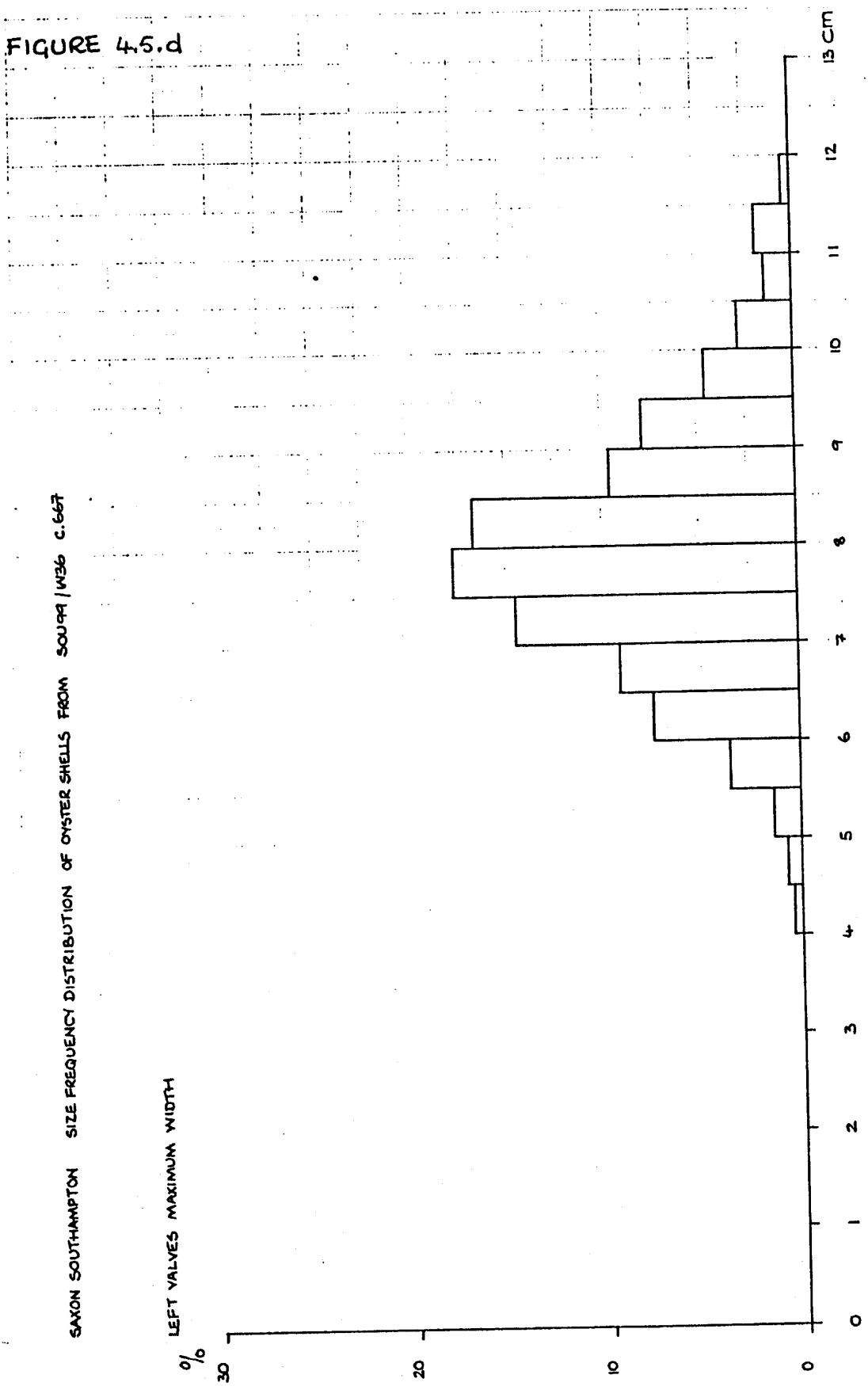

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU99 / W36 C.667
LEFT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 CM

FIGURE 4.5.e

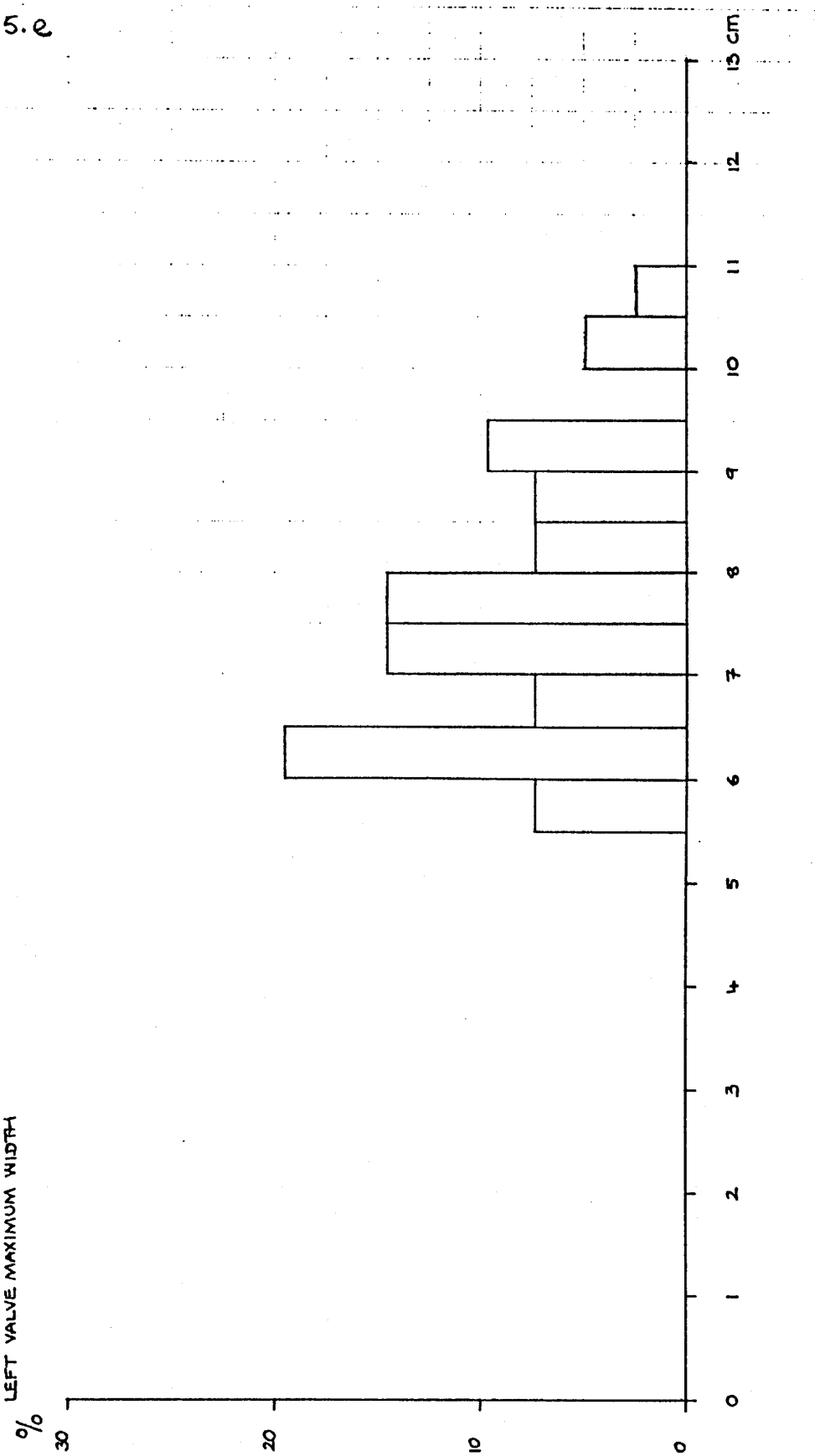


FIGURE 4.5.e.
SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 c. 1115!
LEFT VALVE MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 cm

FIGURE 4.5.f.

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU169 Tz c.11275

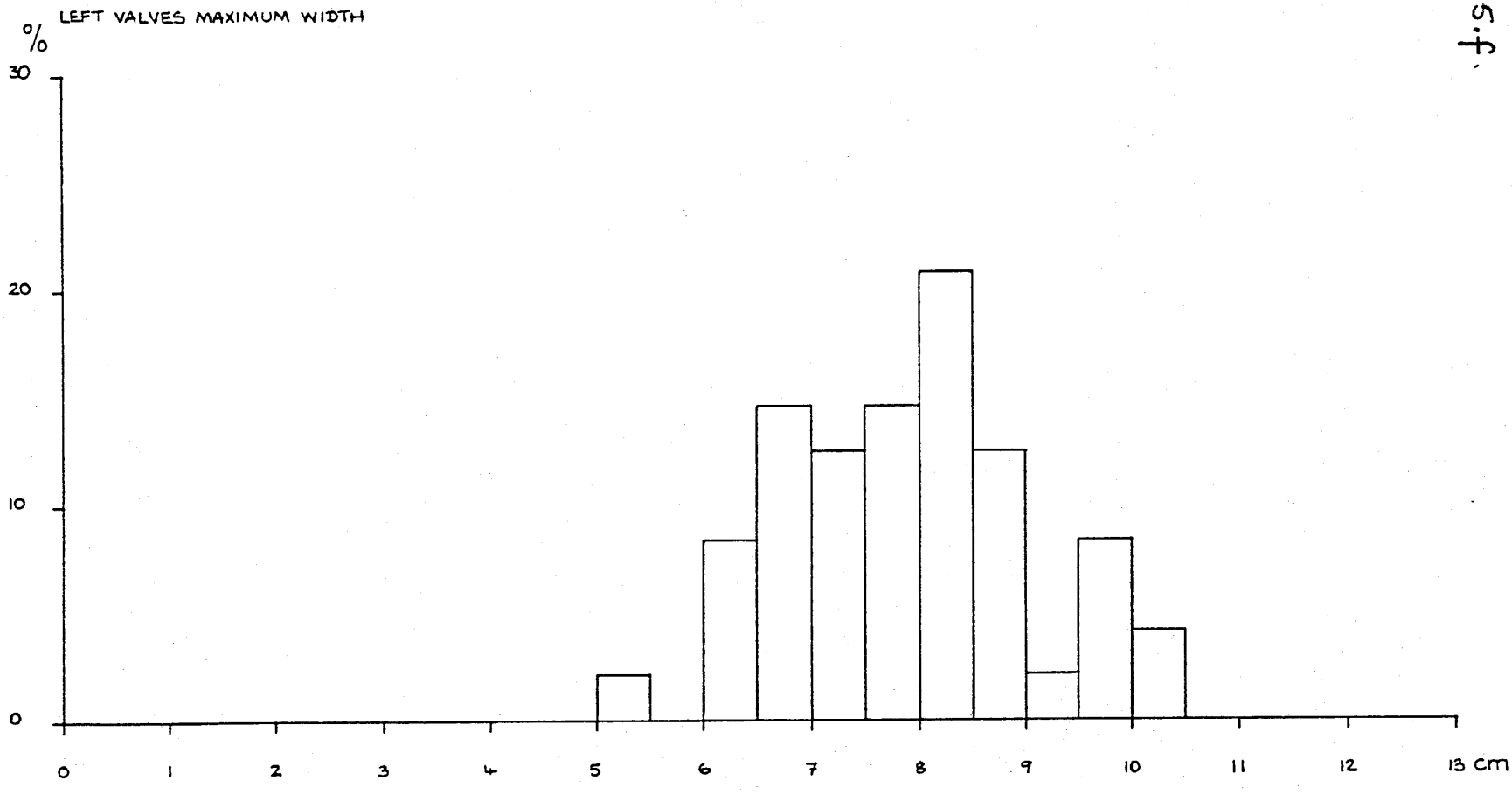


FIGURE 4.5.f.

FIGURE 4.5.9.

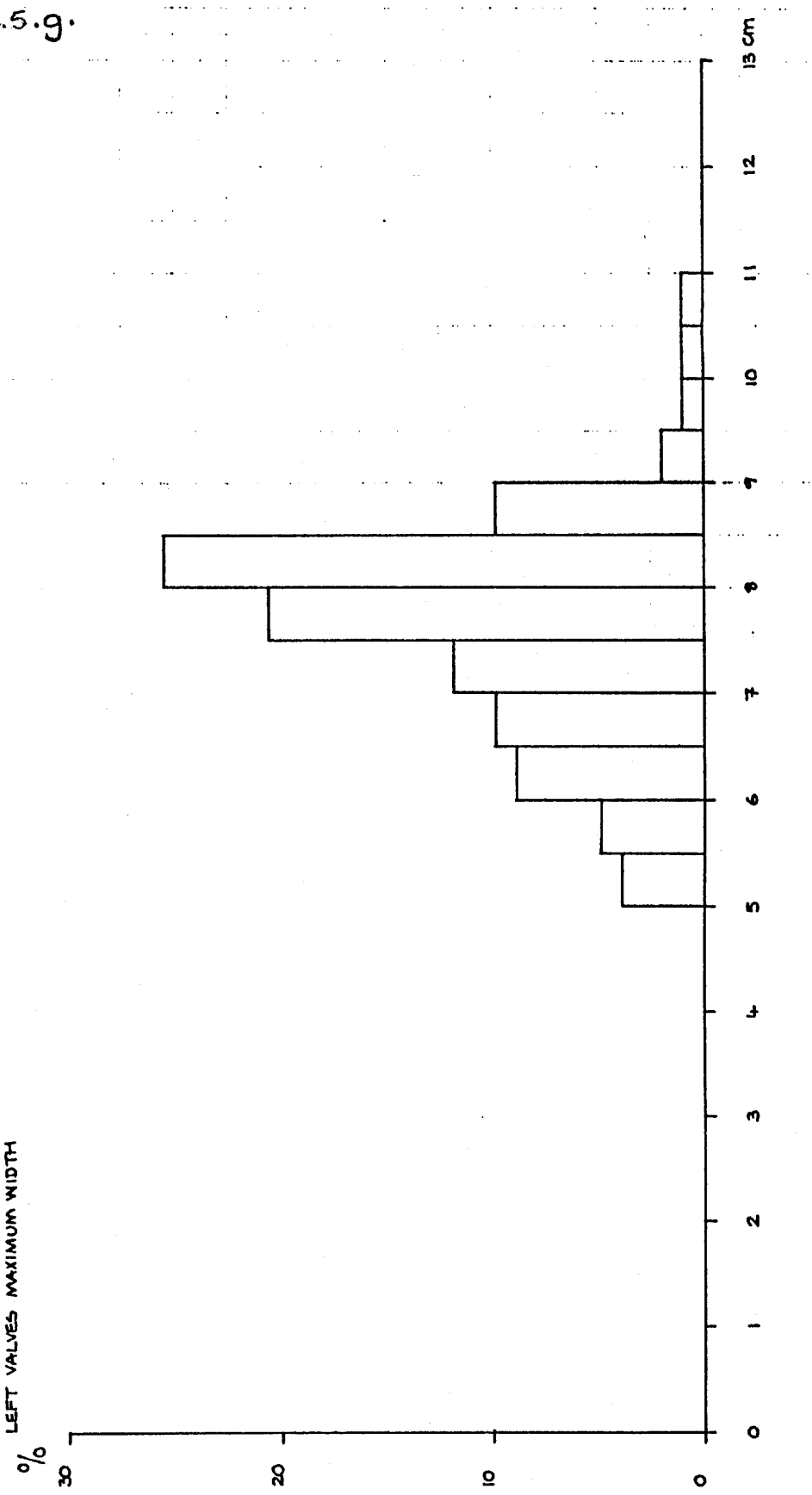


FIGURE 4.5.9

FIGURE 4.5.i

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 PIT 8474 c.9901

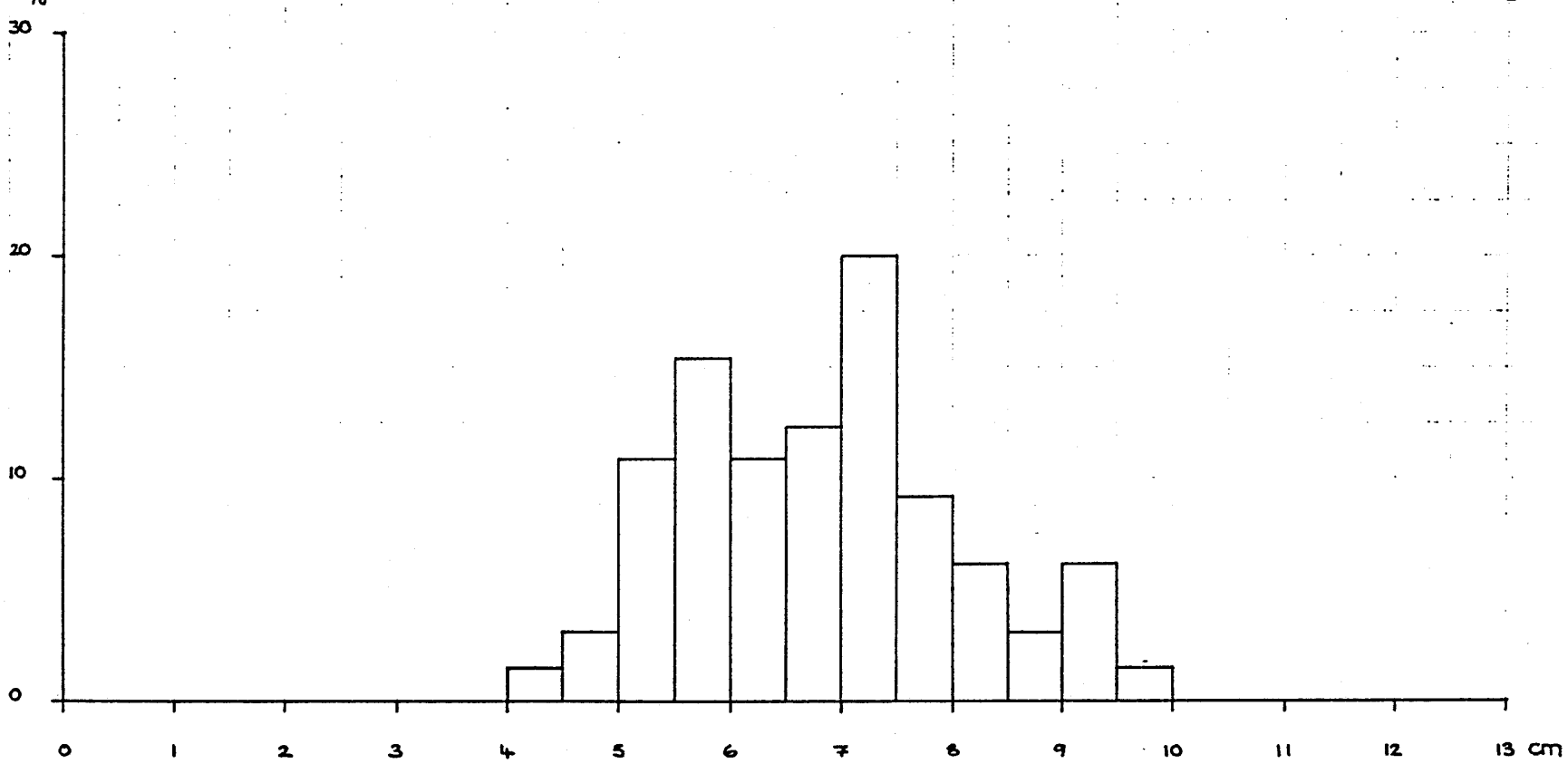


FIGURE 4.5.i

FIGURE 4.5.j.

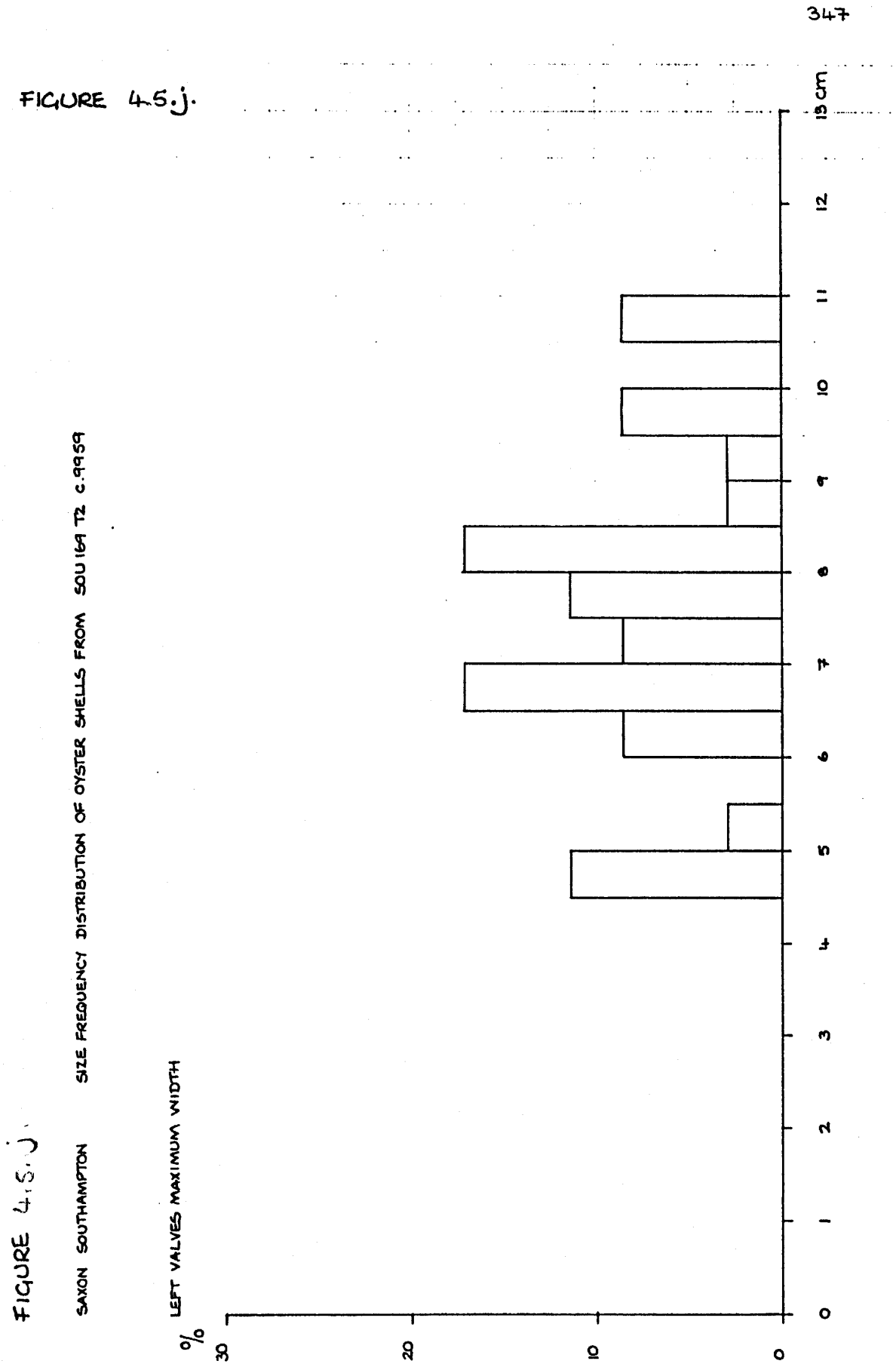


FIGURE 4.5.j.

FIGURE 4.5.K.

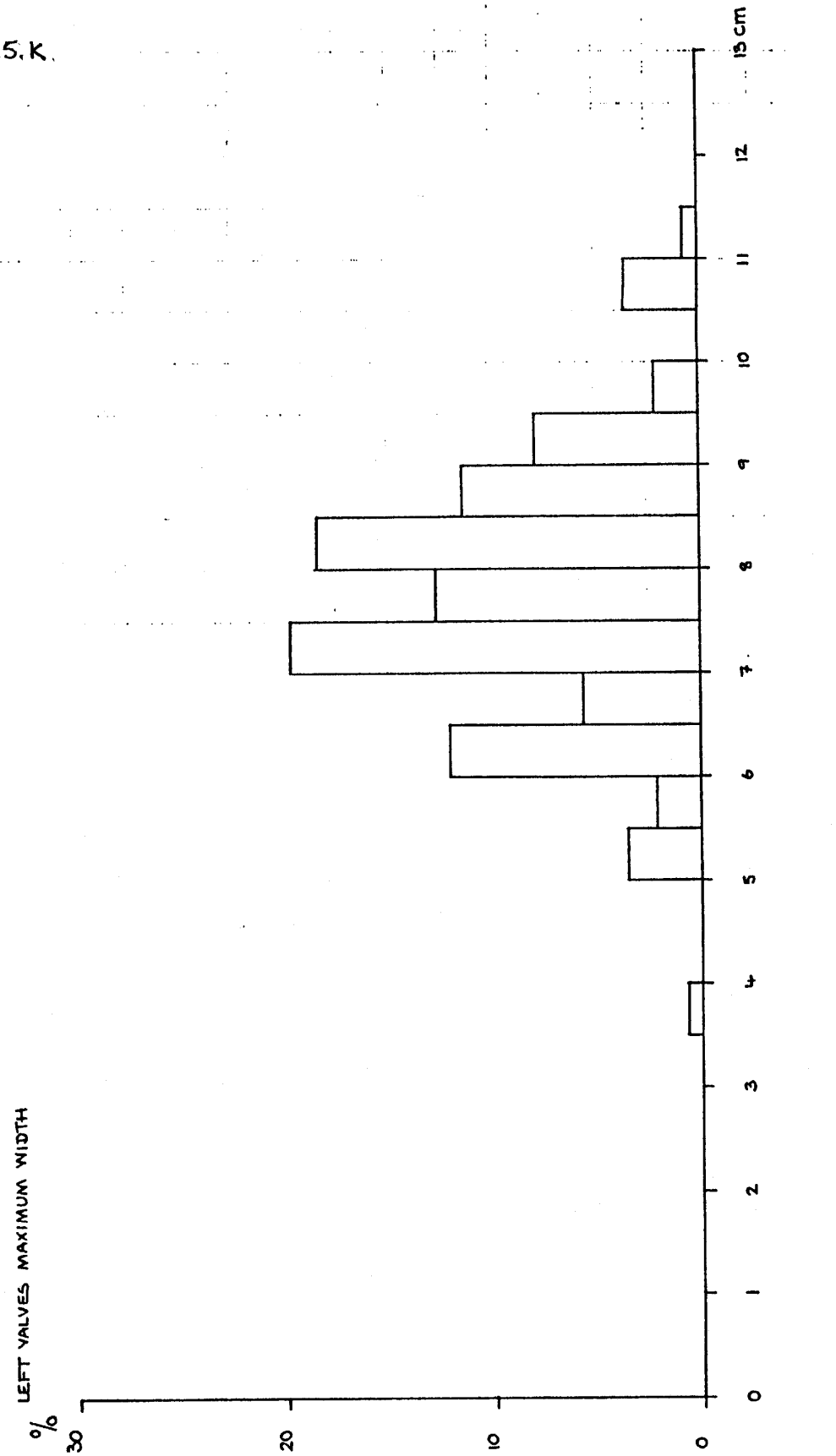


FIGURE 4.5 K
SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 C.8686
LEFT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 cm

FIGURE 4.5.L.

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2c.8709

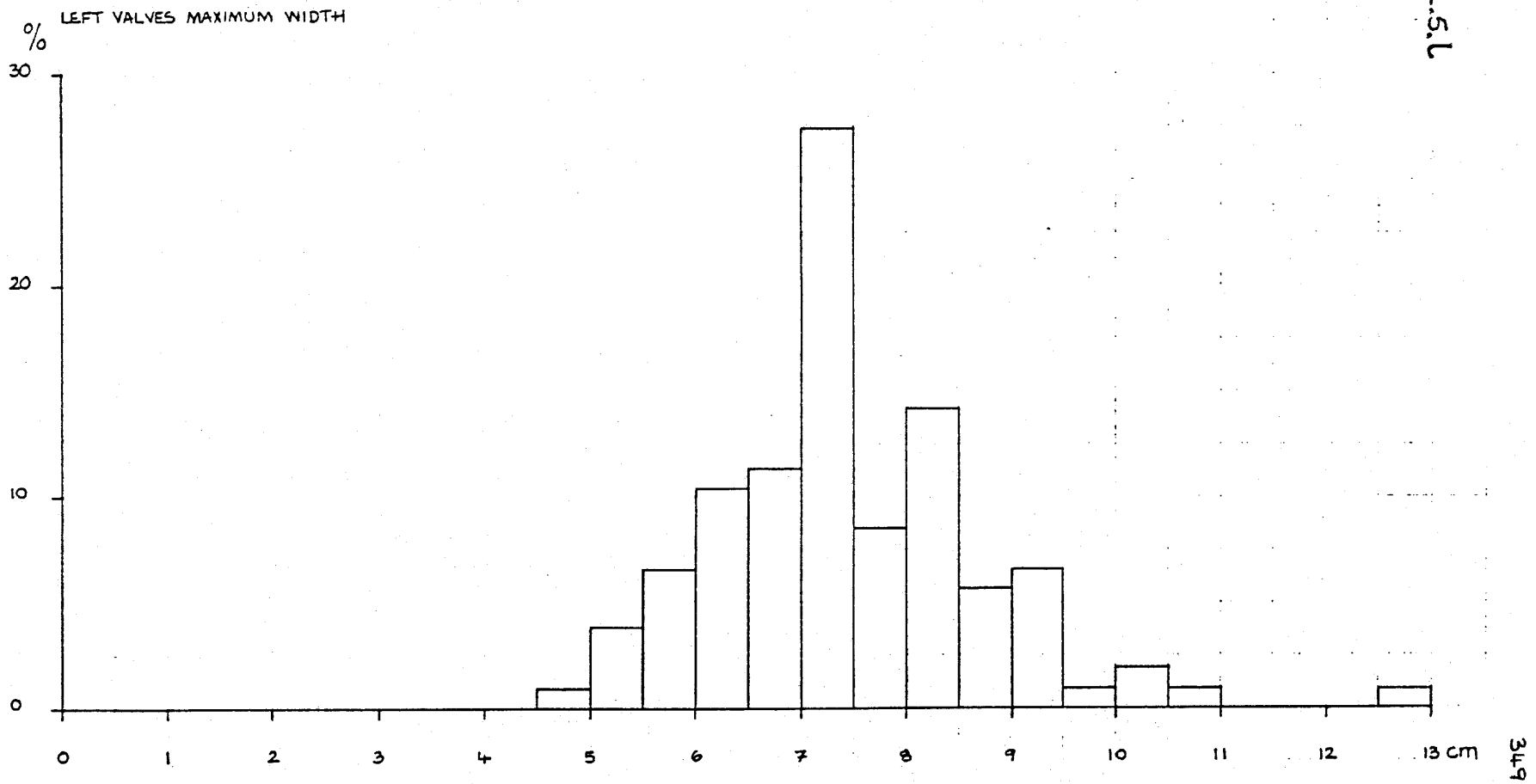


FIGURE 4.5.L

FIGURE 4.5.m

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 c. 8600

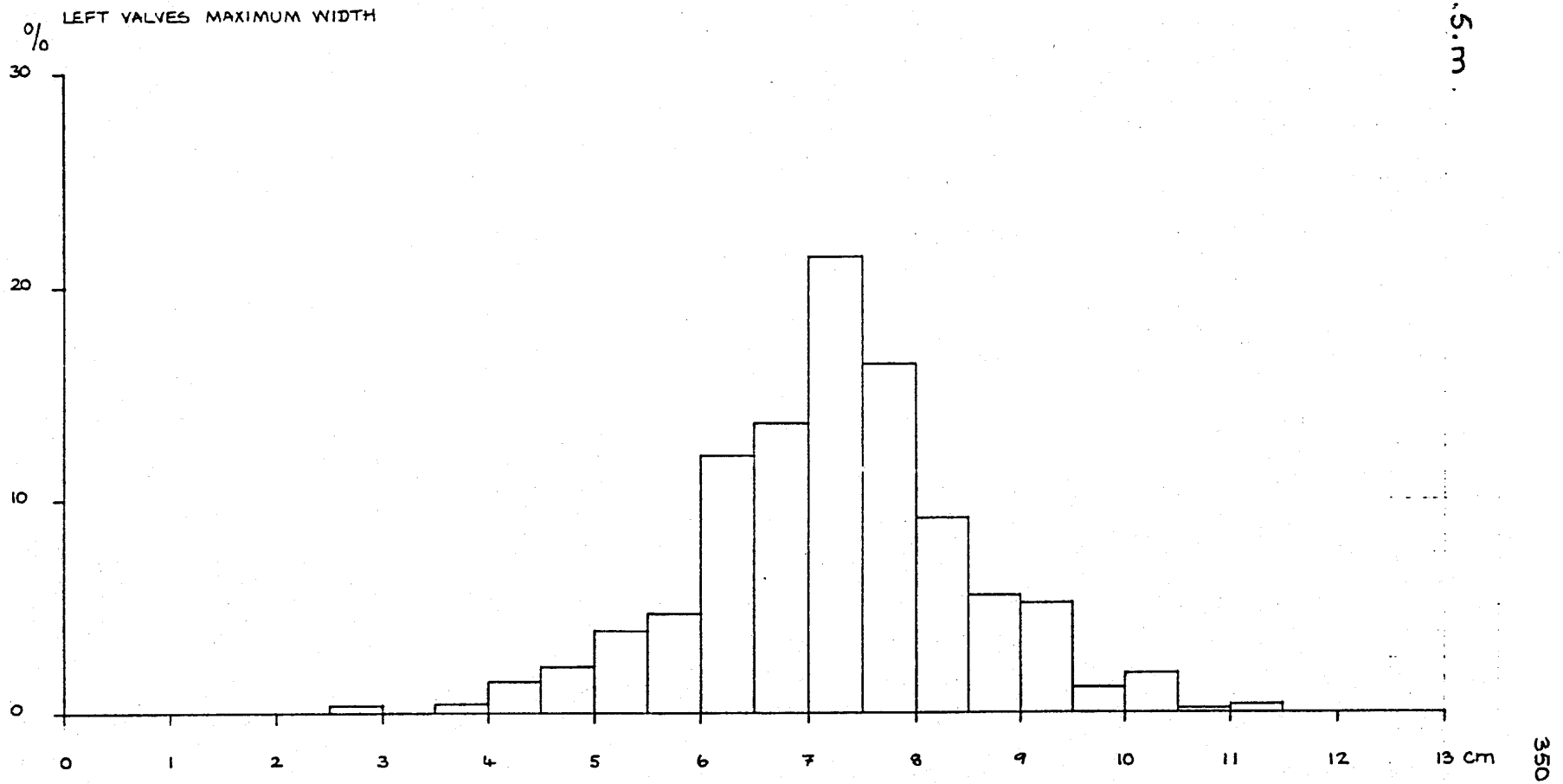


FIGURE 4.5.m.

FIGURE 4.6.9

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 99/W36 C.896

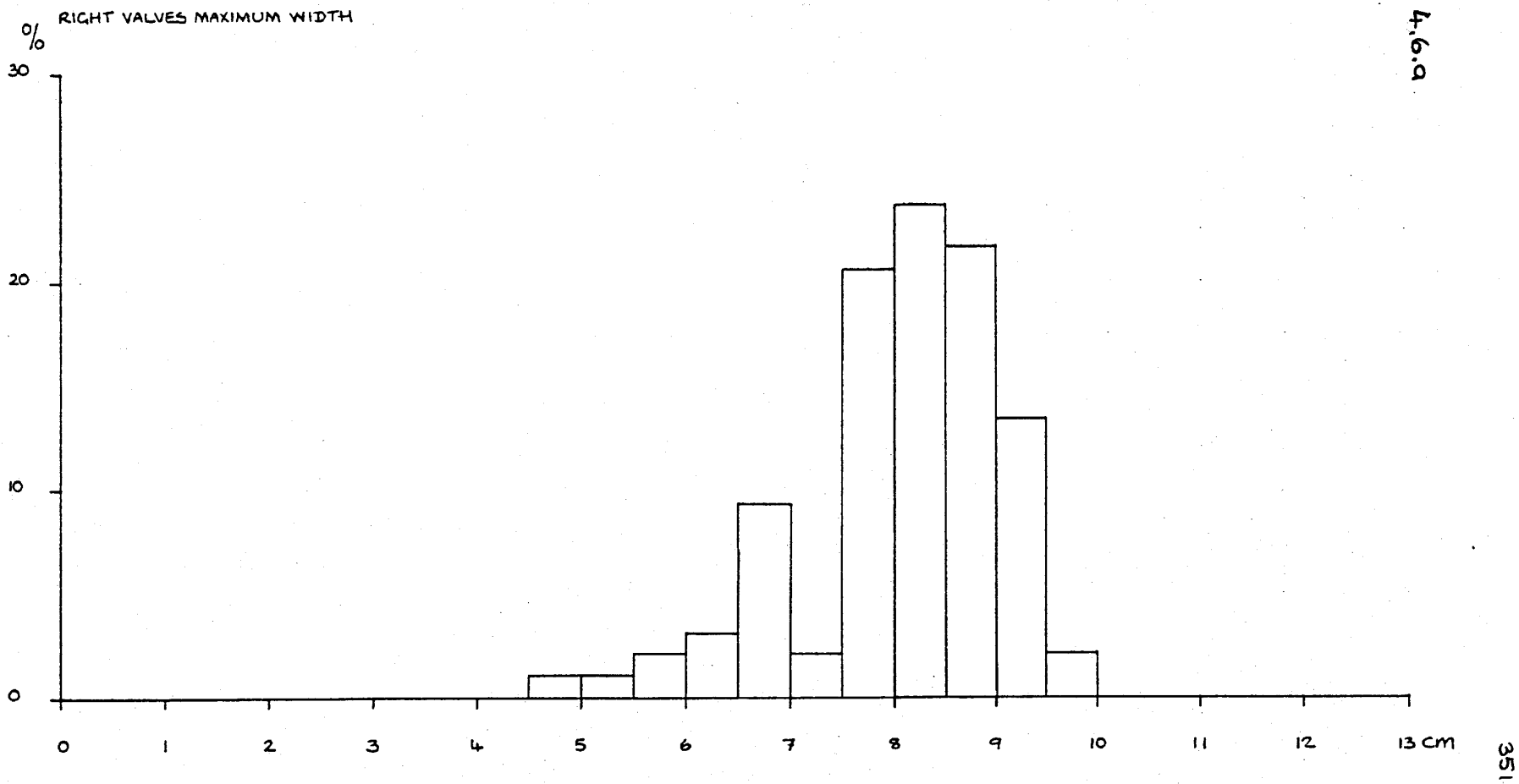


FIGURE 4.6.9

FIGURE 4.6.b.

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTIONS OF OYSTER SHELLS FROM SOU30 F2013 ⑩ C.3571

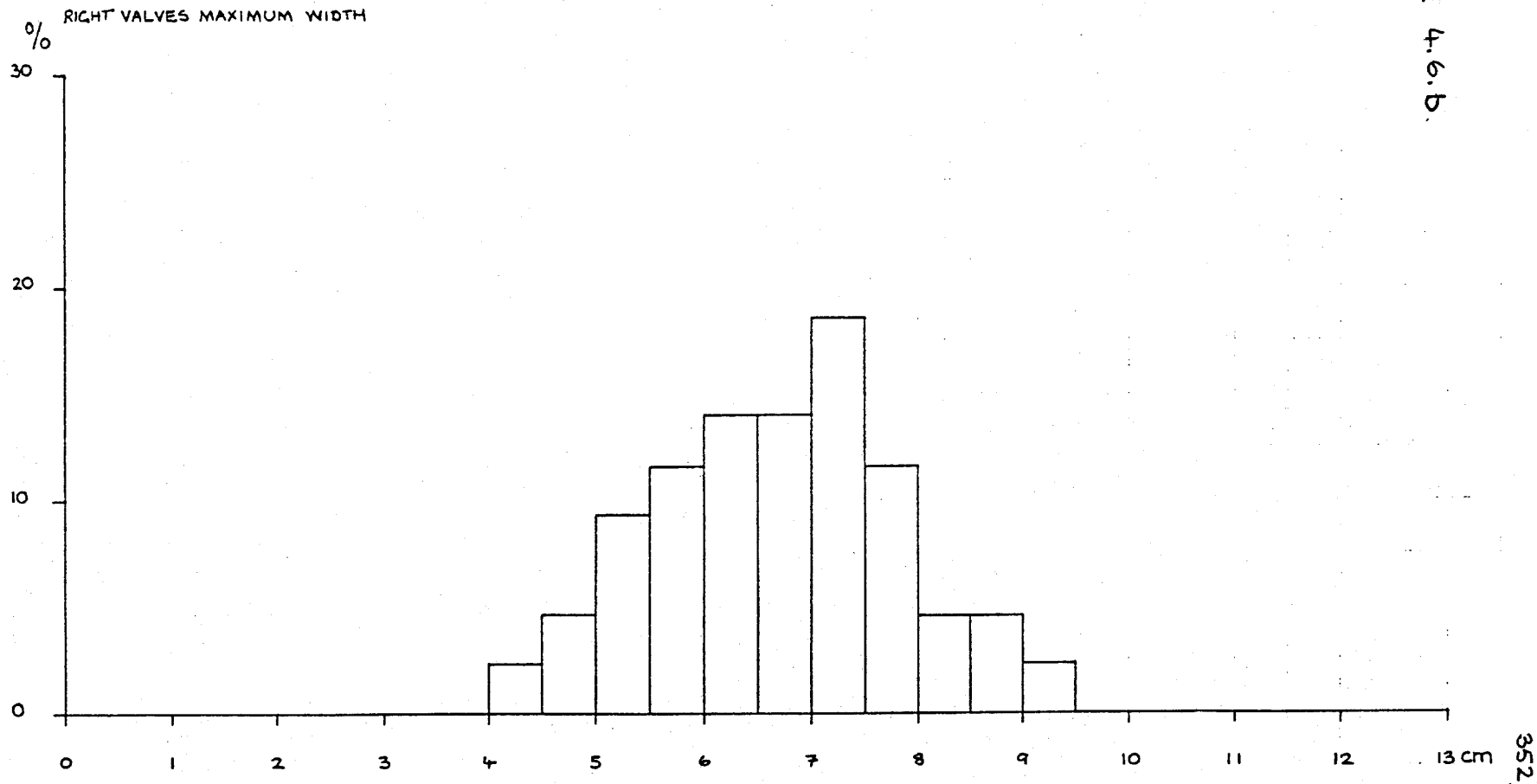


FIGURE 4.6.b.

FIGURE 4.6.C.

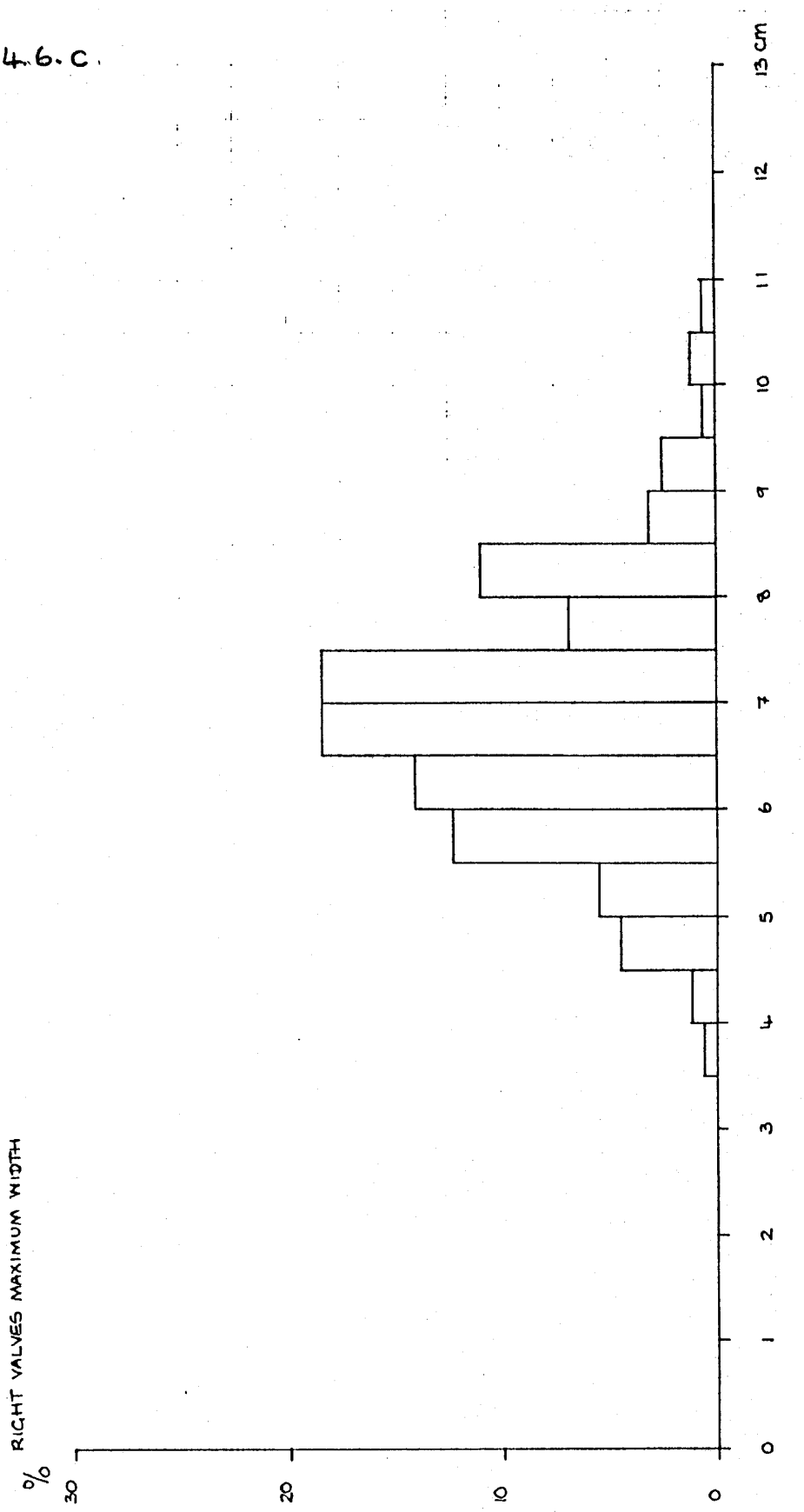


FIGURE 4.6.C

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU99/W36 C.2&2

FIGURE 4.6.d

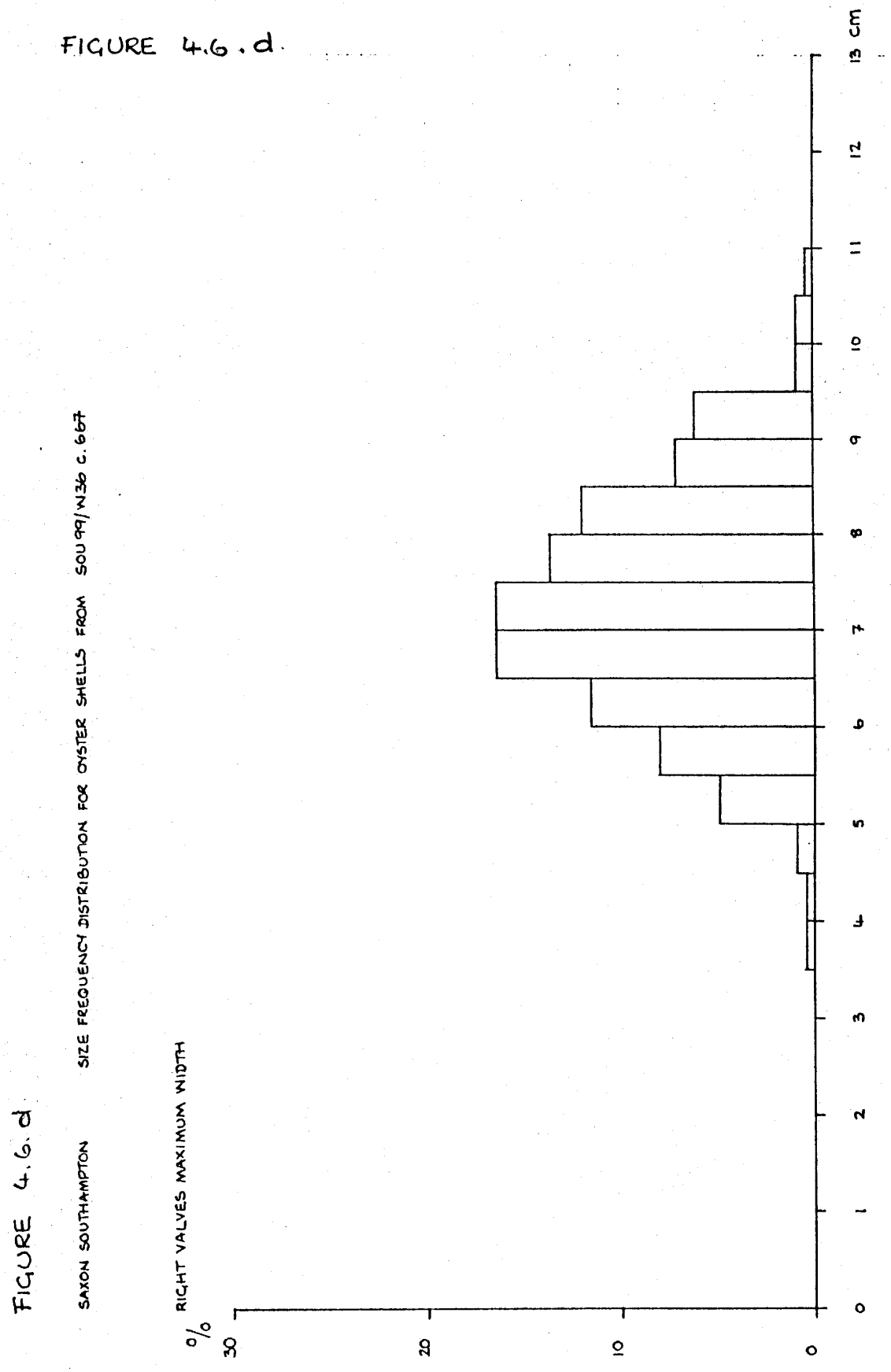


FIGURE 4.6.d
SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION FOR OYSTER SHELLS FROM SOU 99/W36 c. 667
RIGHT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 cm

FIGURE 4.6.e.

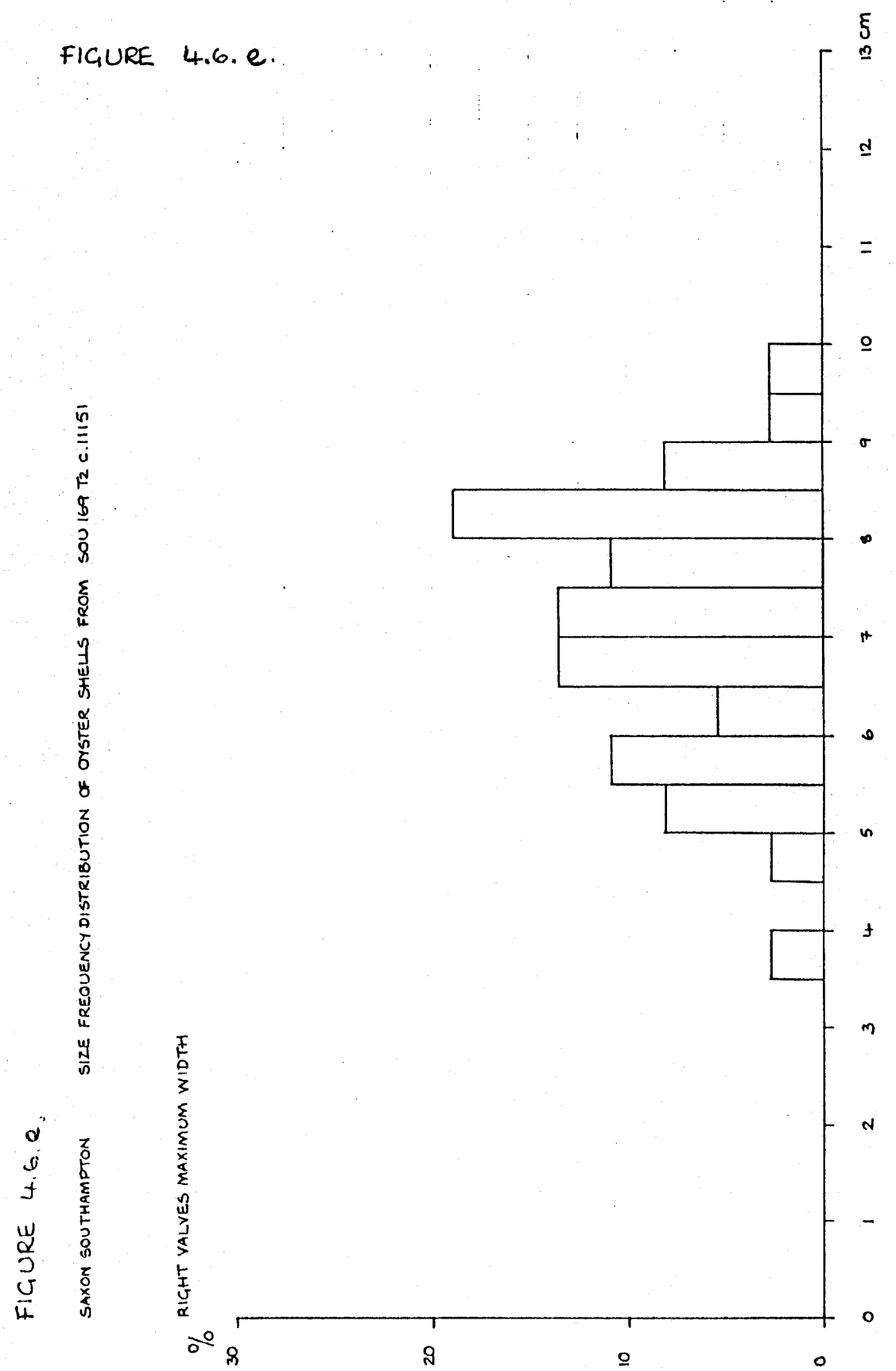


FIGURE 4.6.e.
SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 c.11151
RIGHT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 cm

FIGURE 4.6.f..

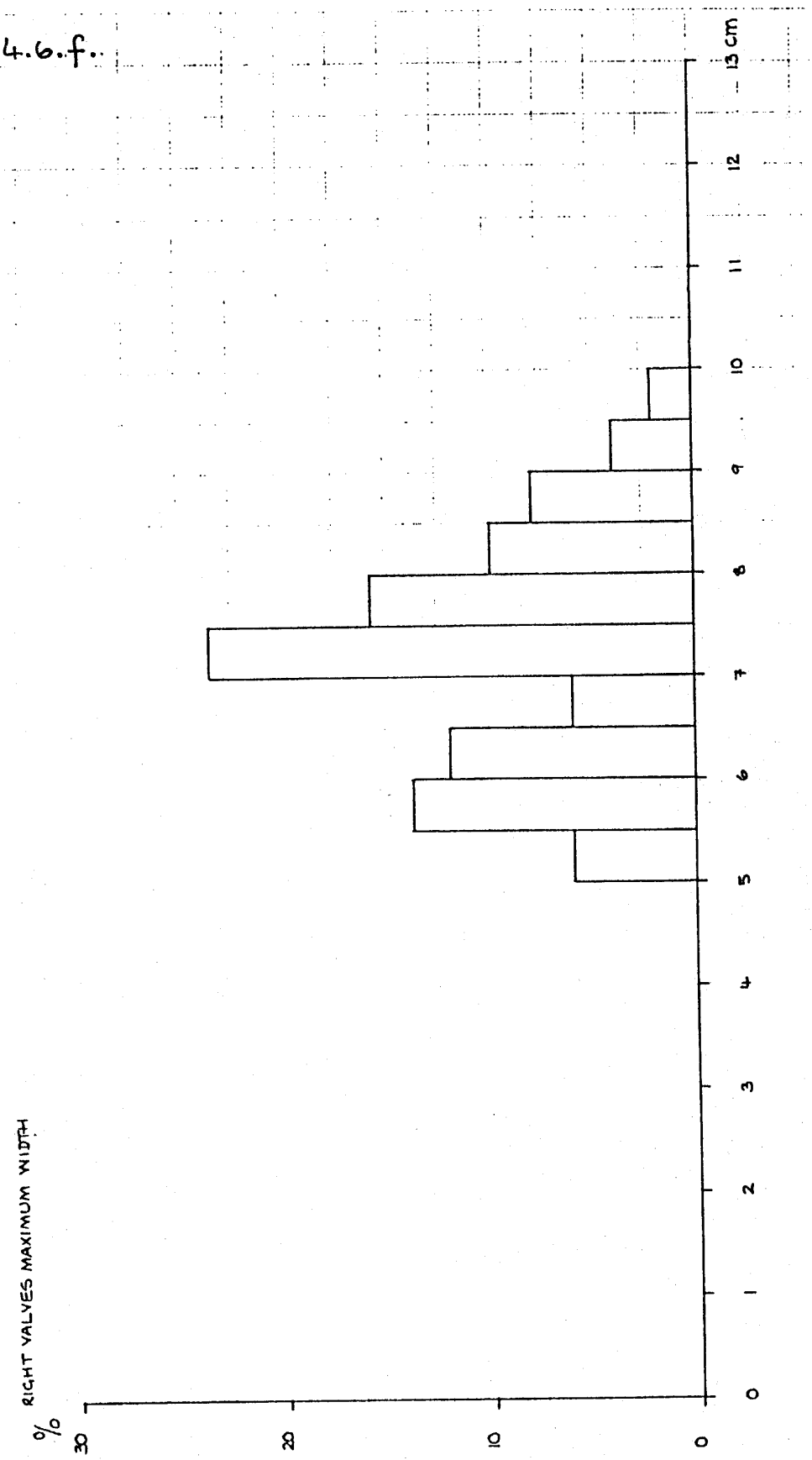


FIGURE 4.6.f.

SAXON SOUTHAMPTON

FIGURE 4.6.9.

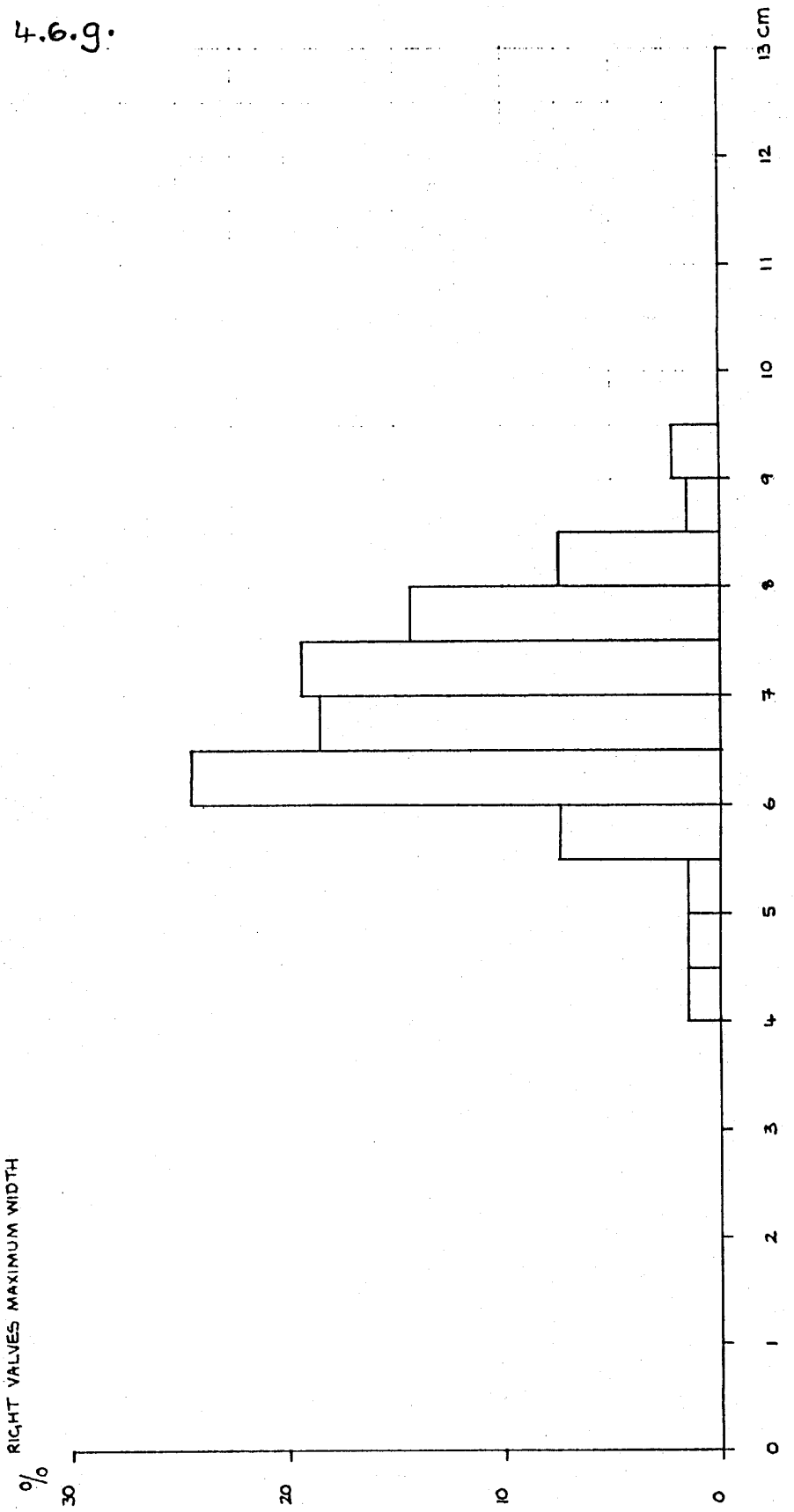


FIGURE 4.6.9.

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 164 T2 C. 8568

FIGURE 4.6.h.

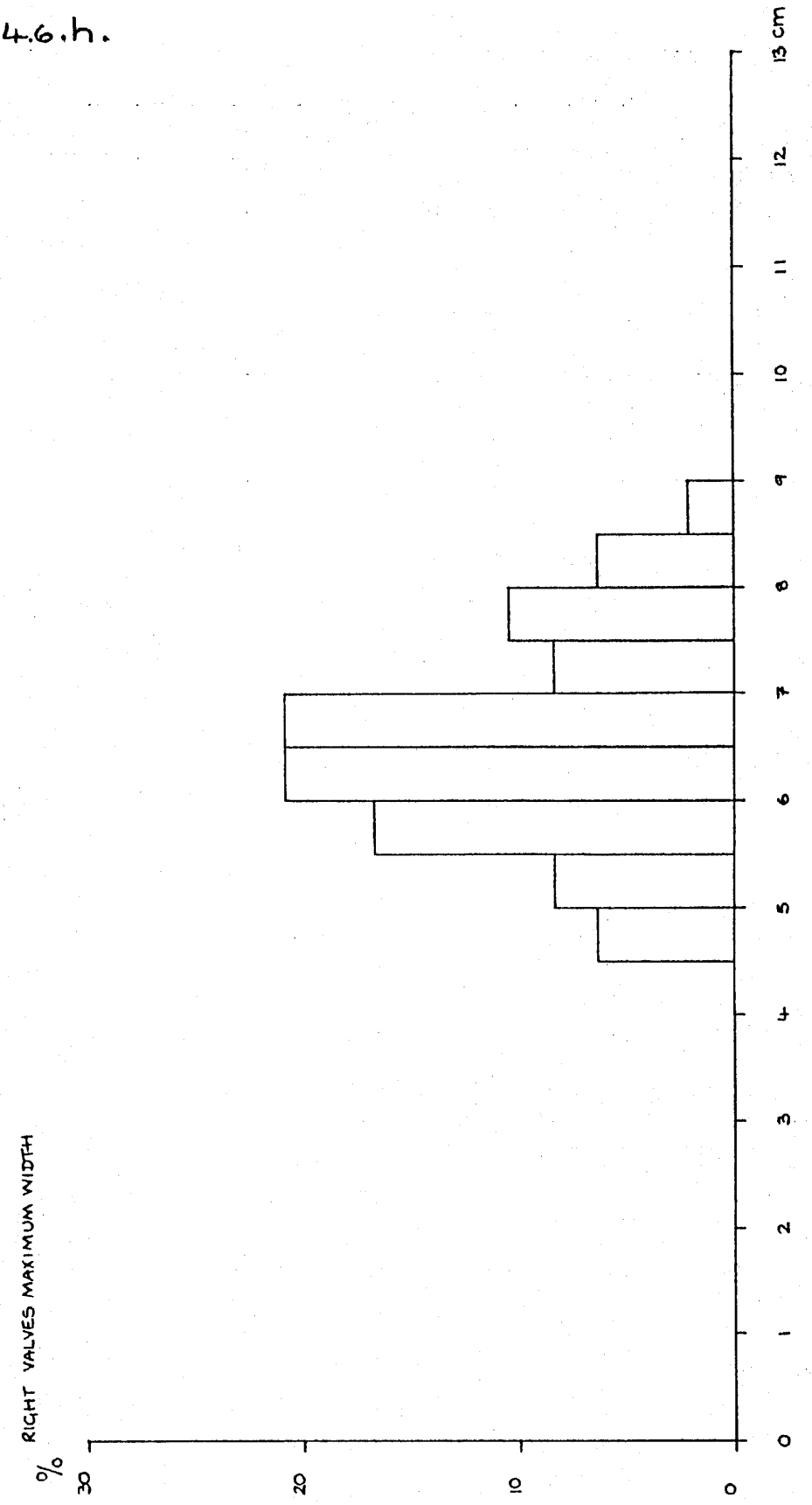


FIGURE 4.6.h.
SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 c9820
RIGHT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 cm

FIGURE 4.6.i

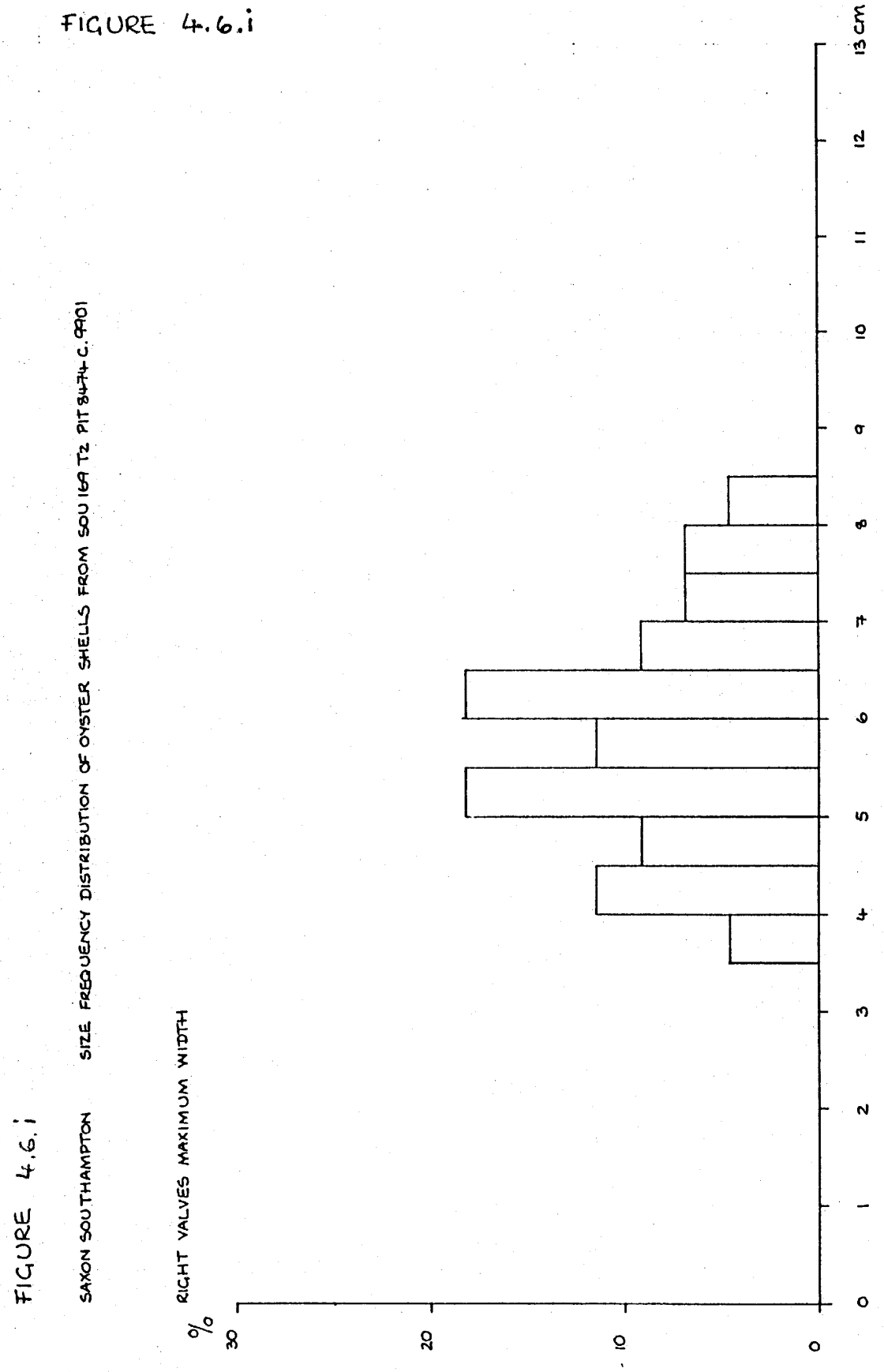


FIGURE 4.6.i
SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 PIT 8474 C. 9901
RIGHT VALVES MAXIMUM WIDTH
%
30
20
10
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13 CM

FIGURE 4.6.j

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 C.9959

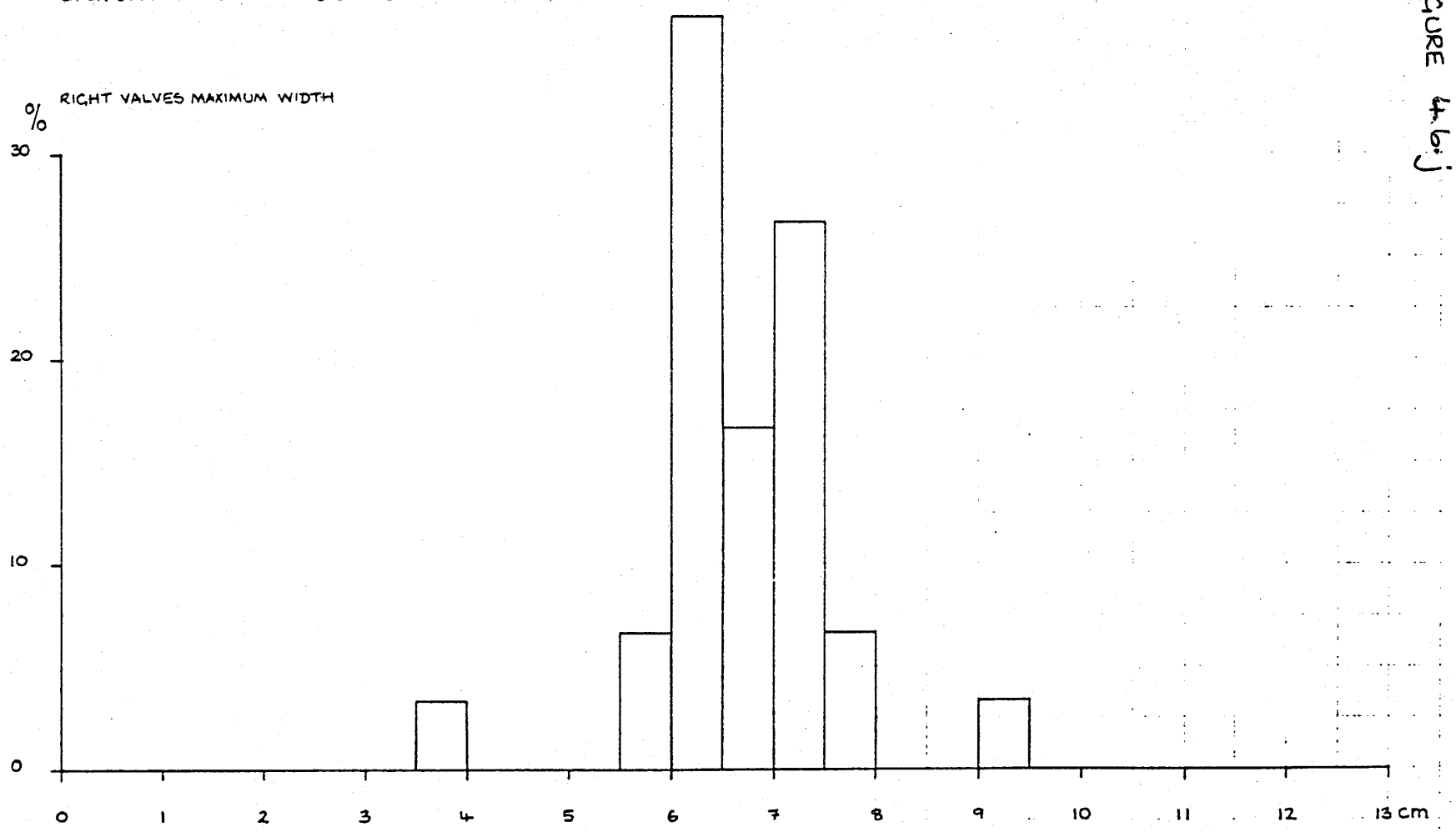


FIGURE 4.6.j

FIGURE 4.6.K.

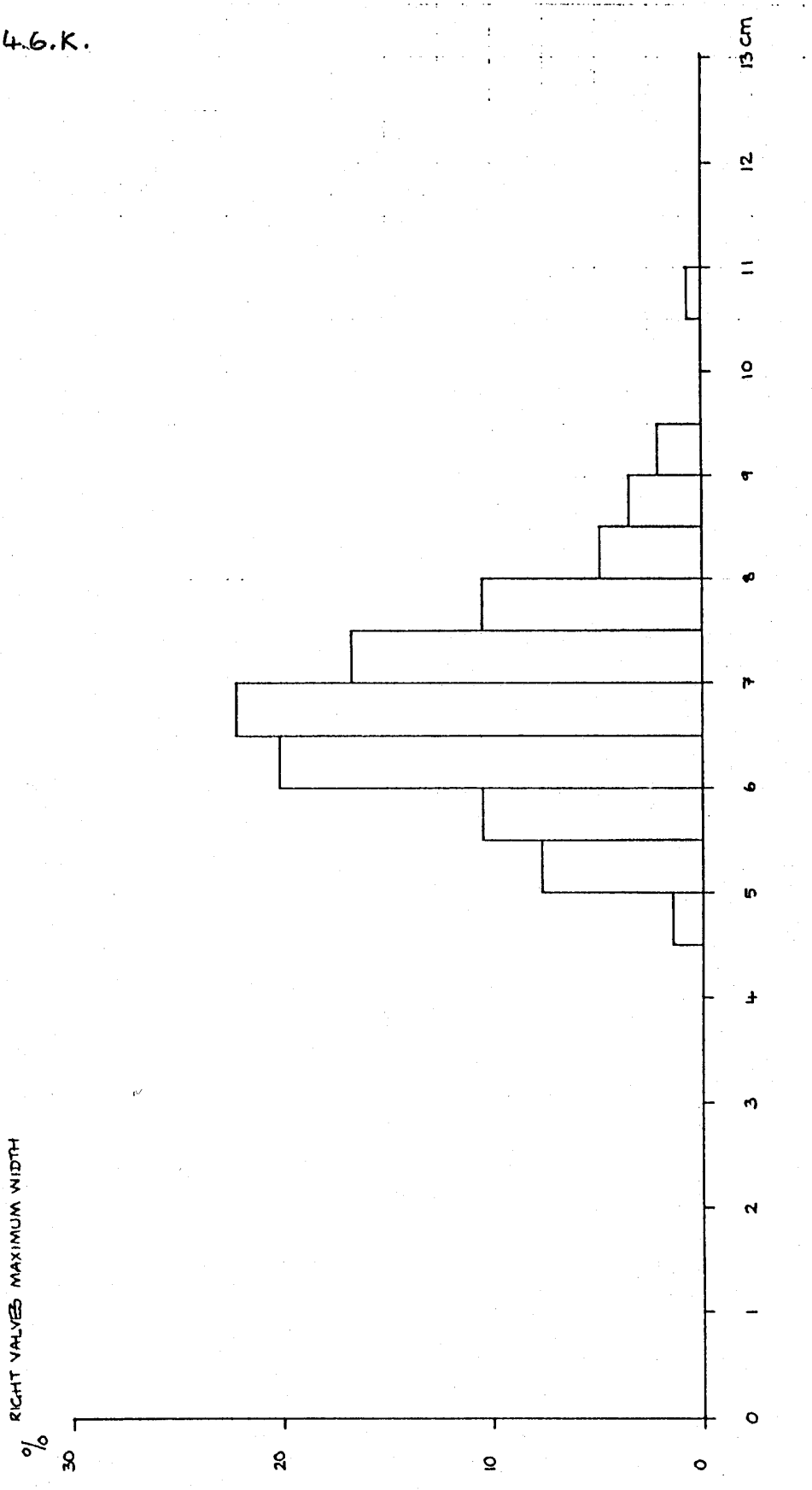


FIGURE 4.6.K

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTION OF OYSTER SHELLS FROM SOU 169 T2 C.9686

RIGHT VALVES MAXIMUM WIDTH

FIGURE 4.6.L.

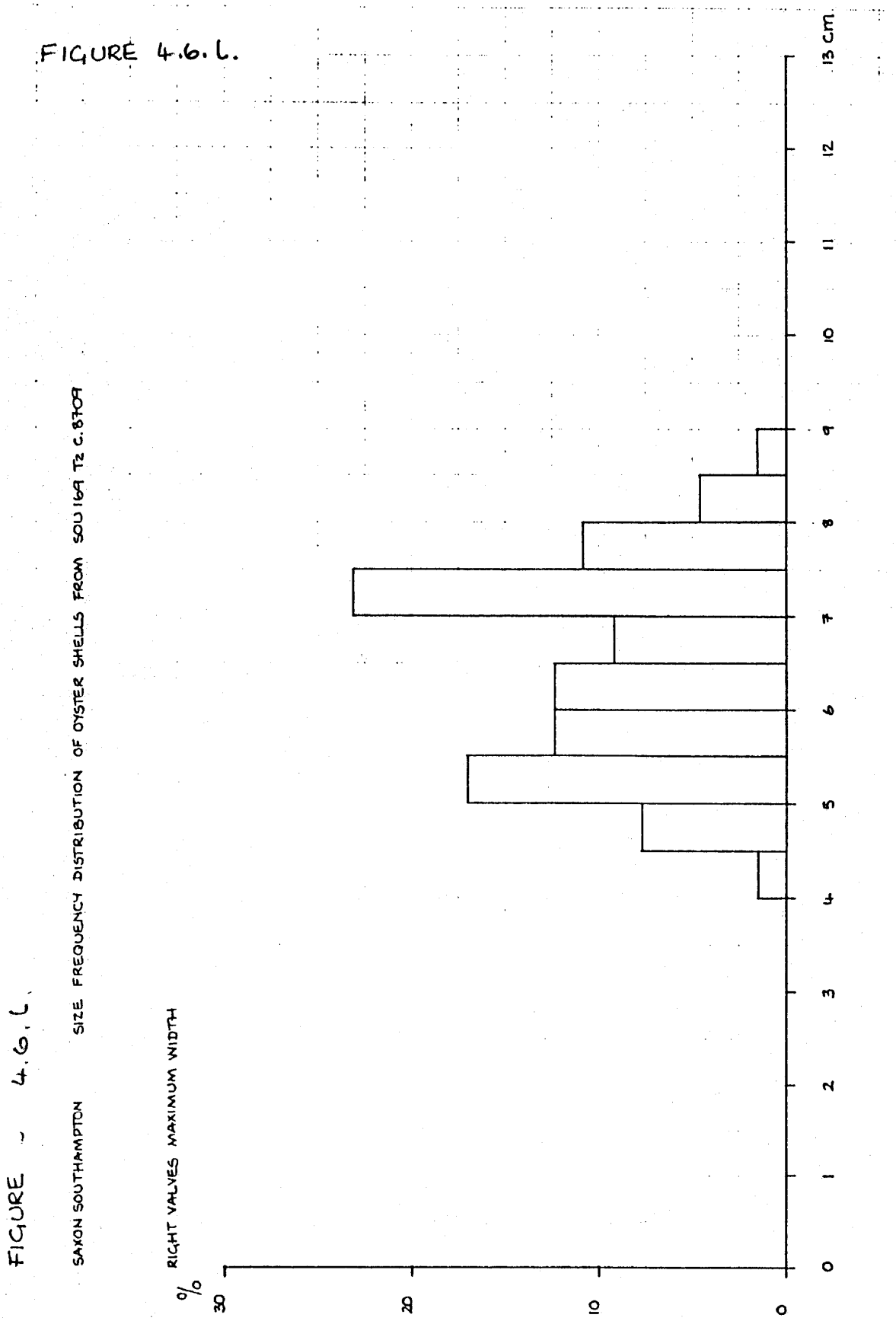


FIGURE - 4.6.L.

FIGURE 4.6.m

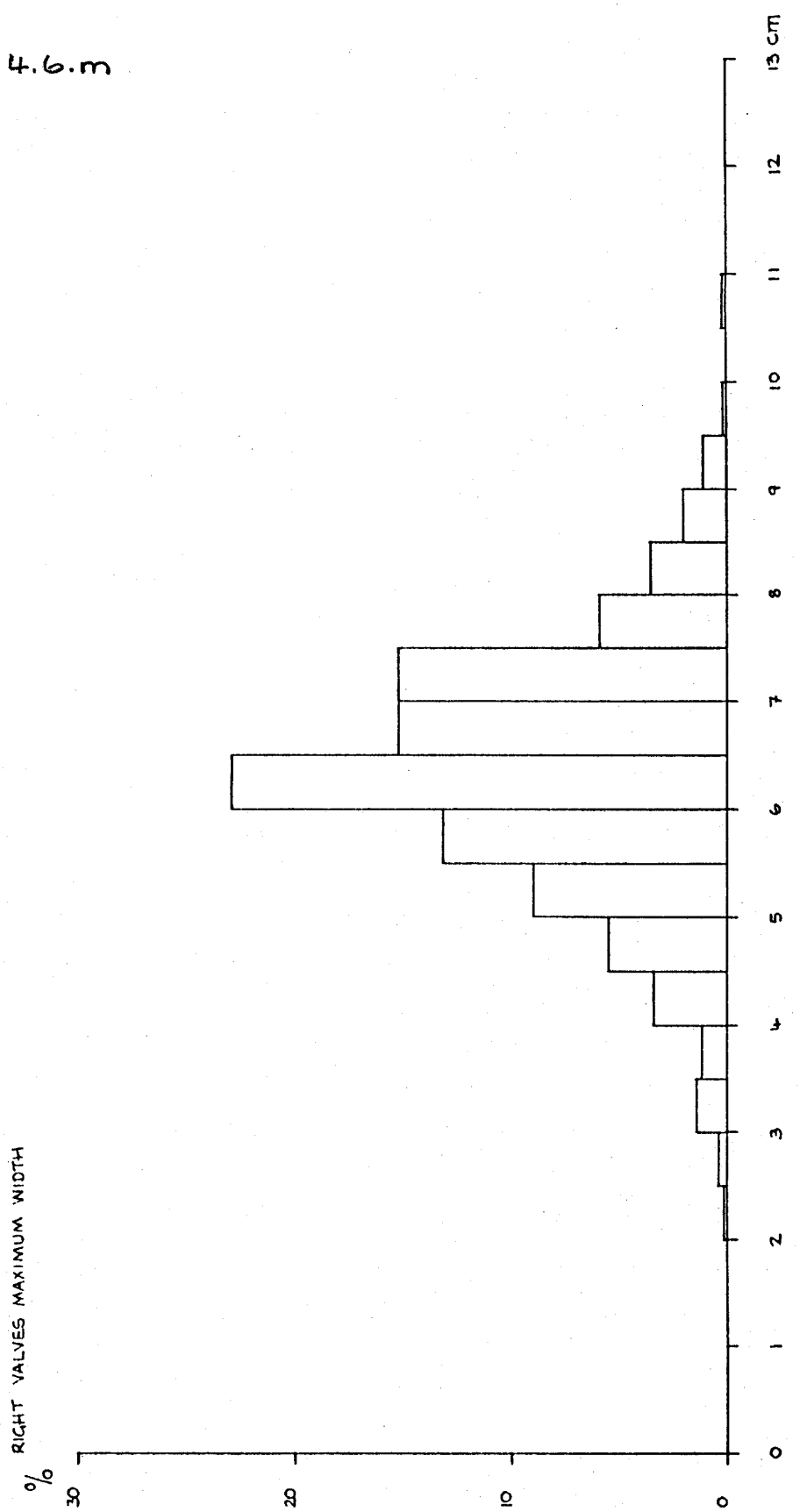


FIGURE 4.6.m

SAXON SOUTHAMPTON TWO SAMPLE T-TESTS ON LARGER OYSTER SHELL SAMPLES

LEFT VALVE MAXIMUM WIDTH

FIGURE 4.7.a.

	SOU 99 c. 896	SOU 30 F2013 (10) c. 3571	SOU 99 c. 242	SOU 99 c. 667	SOU 169 PIT 8469 c. 11151	SOU 169 PIT 8469 c. 11275	SOU 169 PIT 8474 c. 8568	SOU 169 PIT 8474 c. 9820	SOU 169 PIT 8474 c. 9901	SOU 169 PIT 8474 c. 9959	SOU 169 PIT 8576 c. 8686	SOU 169 PIT 8576 c. 8709	SOU 169 PIT 8454 c. 8600
SOU 99 c. 896		+	+	+	+	+	+	+	+	+	+	+	+
SOU 30 F2013 (10) c. 3571								+	+				+
SOU 99 c. 242				+				+	+				+
SOU 99 c. 667								+	+			+	+
SOU 169 PIT 8469 c. 11151								+	+				
SOU 169 PIT 8469 c. 11275								+	+			+	+
SOU 169 PIT 8474 c. 8568								+	+				+
SOU 169 PIT 8474 c. 9820											+	+	
SOU 169 PIT 8474 c. 9901										+	+	+	+
SOU 169 PIT 8474 c. 9959													
SOU 169 PIT 8576 c. 8686													+
SOU 169 PIT 8576 c. 8709													
SOU 169 PIT 8454 c. 8600													

SAXON SOUTHAMPTON TWO SAMPLE T-TESTS ON LARGER OYSTER SHELL SAMPLES

LEFT VALVE MAXIMUM LENGTH

FIGURE 4.7.b.

	SOU99 c.896	SOU30 F2013 ⑩ c.3571	SOU 99 c.242	SOU 99 c.667	SOU 169 PIT 8469 c.11151	SOU 169 PIT 8469 c.11275	SOU 169 PIT 8474 c. 8568	SOU169 PIT8474 c.9820	SOU 169 PIT 8474 c.9901	SOU 169 PIT 8474 c.9959	SOU 169 PIT 8576 c.8686	SOU 169 PIT 8576 c. 8709	SOU 169 PIT 8454 c. 8600
SOU99 c.896		+	+	+	+	+	+	+	+	+	+	+	+
SOU30 F2013 ⑩ c.3571			+					+	+				
SOU99 c.242				+	+	+	+		+		+	+	+
SOU99 c.667					+		+	+	+	+	+	+	+
SOU169 PIT8469 c.11151									+				
SOU 169 PIT 8469 c.11275								+	+				+
SOU 169 PIT 8474 c.8568								+	+				
SOU 169 PIT 8474 c.9820									+		+		
SOU 169 PIT 8474 c.9901										+	+	+	+
SOU 169 PIT 8474 c.9959													
SOU 169 PIT 8576 c.8686													
SOU 169 PIT 8576 c.8709													
SOU 169 PIT 8454 c.8600													

SAXON SOUTHAMPTON TWO SAMPLE T-TESTS ON LARGER SAMPLES OF OYSTER SHELL

RIGHT VALVE MAXIMUM WIDTH

FIGURE 4.7.c.

	SOU 99 c.896	SOU 30 F2013 ⑩ c.3571	SOU 99 c.242	SOU 99 c.667	SOU 169 PIT 8469 c.11151	SOU 169 PIT 8469 c.11275	SOU 169 PIT 8474 c.8568	SOU 169 PIT 8474 c.9820	SOU 169 PIT 8474 c.9901	SOU 169 PIT 8474 c.9959	SOU 169 PIT 8576 c.8686	SOU 169 PIT 8576 c.8709	SOU 169 PIT 8454 c.8600
SOU 99 c.896		+	+	+	+	+	+	+	+	+	+	+	+
SOU 30 F2013 ⑩ c.3571				+		+			+				
SOU 99 c.242				+					+			+	+
SOU 99 c.667							+	+	+	+	+	+	+
SOU 169 PIT 8469 c.11151								+	+			+	+
SOU 169 PIT 8469 c.11275								+	+	+		+	+
SOU 169 PIT 8474 c.8568								+	+			+	+
SOU 169 PIT 8474 c.9820									+				
SOU 169 PIT 8474 c.9901										+	+	+	+
SOU 169 PIT 8474 c.9959													
SOU 169 PIT 8576 c.8686												+	+
SOU 169 PIT 8576 c.8709													
SOU 169 PIT 8454 c.8600													

SAXON SOUTHAMPTON TWO SAMPLE T-TESTS ON LARGER SAMPLES OF OYSTER SHELL

RIGHT VALVE MAXIMUM LENGTH

FIGURE 4.7.d.

	SOU 99 c.896	SOU 30 F2013 ⓪ c.3571	SOU 99 c.242	SOU 99 c.667	SOU 169 PIT 8469 c.11151	SOU 169 PIT 8469 c.11275	SOU 169 PIT 8474 c. 8568	SOU 169 PIT 8474 c. 9820	SOU 169 PIT 8474 c. 9901	SOU 169 PIT 8474 c. 9959	SOU 169 PIT 8576 c. 8686	SOU 169 PIT 8576 c. 8709	SOU 169 PIT 8454 c. 8600
SOU 99 c.896		+	+	+	+	+	+	+	+	+	+	+	+
SOU 30 F2013 ⓪ c.3571				+		+	+		+				
SOU 99 c.242				+		+	+		+		+		
SOU 99 c.667							+	+	+	+	+	+	+
SOU 169 PIT 8469 c.11151									+				
SOU 169 PIT 8469 c11275								+	+	+		+	+
SOU 169 PIT 8474 c. 8568									+			+	+
SOU 169 PIT 8474 c. 9820									+				
SOU 169 PIT 8474 c. 9901										+	+	+	+
SOU 169 PIT 8474 c. 9959													
SOU 169 PIT 8576 c. 8686												+	+
SOU 169 PIT 8576 c. 8709													
SOU 169 PIT 8454 c. 8600													

SAXON SOUTHAMPTON - 2 SAMPLE T-TESTS ON LARGER OYSTER SHELL SAMPLES

LEFT VALVE MAXIMUM WIDTH FIGURE 4.8.9

	SOU99 c.896	SOU 30 F2013 ⑩ c.3571	SOU99 c.242	SOU99 c.667	SOU169 PIT8469 c.11151	SOU169 PIT 8469 c.11275	SOU169 PIT 8474 c.8568	SOU169 PIT 8474 c.9820	SOU169 PIT 8474 c.9901	SOU169 PIT 8474 c.9959	SOU169 PIT 8576 c.8686	SOU169 PIT 8576 c.8709	SOU169 PIT 8454 c.8600
SOU99 c.896		7.19	13.06	10.10	6.72	6.68	10.46	10.46	12.80	5.26	9.76	10.73	17.21
SOU30F2013⑩ c.3571								2.67	3.33				2.13
SOU99 c.242				3.32				2.99	4.15				3.53
SOU99 c.667								4.69	6.17			2.92	7.29
SOU169 PIT 8469c.11151								2.56	3.15				
SOU169 PIT 8469c.11275								3.79	4.65			2.03	3.79
SOU169 PIT 8474c.8568								3.19	4.23				3.36
SOU169 PIT 8474c.9820											3.70	2.37	
SOU169 PIT 8474 c.9901										2.38	4.83	3.20	2.46
SOU169 PIT 8474c.9959													
SOU169 PIT 8576c.8686													4.32
SOU169 PIT 8576c.8709													
SOU169 PIT 8454c.8600													

SAXON SOUTHAMPTON - 2 SAMPLE T-TESTS ON LARGER OYSTER SAMPLES

LEFT VALVE MAXIMUM LENGTH FIGURE 4.8.b

	SOU 99 c. 896	SOU 30 F2013 ⓪ c. 3571	SOU 99 c. 242	SOU 99 c. 667	SOU 169 PIT 8469 c. 11151	SOU 169 PIT 8469 c. 11275	SOU 169 PIT 8474 c. 8568	SOU 169 PIT 8474 c. 9820	SOU 169 PIT 8474 c. 9901	SOU 169 PIT 8474 c. 9959	SOU 169 PIT 8576 c. 8686	SOU 169 PIT 8576 c. 8709	SOU 169 PIT 8454 c. 8600
SOU 99 c. 896		5.67	13.13	6.59	6.52	6.02	8.24	8.12	12.00	6.72	8.29	8.17	11.80
SOU 30 F2013 ⓪ c. 3571			2.90					2.09	4.46				
SOU 99 c. 242				7.85	2.60	4.01	4.26		2.85		4.34	3.36	3.76
SOU 99 c. 667					2.14		2.57	4.17	7.88	2.93	2.58	2.87	5.66
SOU 169 PIT 8469 c. 11151									4.26				
SOU 169 PIT 8469 c. 11275								2.70	5.46				2.14
SOU 169 PIT 8474 c. 8568								2.41	5.61				
SOU 169 PIT 8474 c. 9820									2.17		2.43		
SOU 169 PIT 8474 c. 9901										2.86	5.66	4.97	5.17
SOU 169 PIT 8474 c. 9959													
SOU 169 PIT 8576 c. 8686													
SOU 169 PIT 8576 c. 8709													
SOU 169 PIT 8454 c. 8600													

SAXON SOUTHAMPTON - 2 SAMPLE T-TESTS ON LARGER OYSTER SAMPLES

RIGHT VALVE MAXIMUM WIDTH FIGURE 4.8.C

	SOU 99 c.896	SOU 30 F2013 @ c.3571	SOU 99 c.242	SOU 99 c.667	SOU 169 PIT 8469 c.11151	SOU 169 PIT 8469 c.11275	SOU 169 PIT 8474 c.8568	SOU 169 PIT 8474 c.9820	SOU 169 PIT 8474 c.9901	SOU 169 PIT 8474 c.9959	SOU 169 PIT 8576 c.8686	SOU 169 PIT 8576 c.8709	SOU 169 PIT 8454 c.8600
SOU 99 c.896		7.18	9.43	6.76	4.14	5.16	9.99	9.20	11.18	7.84	9.01	9.96	16.88
SOU 169 F2013 @ c.3571				3.37		2.42			3.35				
SOU 99 c.242				3.54					5.39			2.21	5.00
SOU 99 c.667							3.62	4.54	7.61	3.54	3.29	5.16	10.63
SOU 169 PIT 8469 c.11151								2.25	4.98			2.53	3.64
SOU 169 PIT 8469 c.11275								3.02	6.04	2.40		3.41	5.34
SOU 169 PIT 8474 c.8568								2.07	5.72			2.57	6.21
SOU 169 PIT 8474 c.9820									3.63				
SOU 169 PIT 8474 c.9901										3.83	5.37	3.44	3.23
SOU 169 PIT 8474 c.9959													
SOU 169 PIT 8576 c.8686												2.24	4.84
SOU 169 PIT 8576 c.8709													
SOU 169 PIT 8454 c.8600													

SAXON SOUTHAMPTON - 2 SAMPLE T-TESTS ON LARGER OYSTER SAMPLES

RIGHT VALVE MAXIMUM LENGTH FIGURE 4.8.d.

	SOU99 c.896	SOU30 F2013 (6) c.3571	SOU99 c.242	SOU99 c.667	SOU169 PIT8469 c.11151	SOU169 PIT8469 c.11275	SOU169 PIT8474 c.8568	SOU169 PIT8474 c.9820	SOU169 PIT8474 c.9901	SOU169 PIT8474L c.9959	SOU169 PIT 8576 c.8686	SOU169 PIT 8576 c.8709	SOU169 PIT 8454 c.8600
SOU99 c.896		7.24	11.42	5.48	4.74	4.50	7.17	6.65	10.57	6.44	8.46	8.87	13.78
SOU30 F2013 (6) c.3571				3.95		2.73	2.69		2.66				
SOU99 c.242				6.89		3.99	4.80		2.97		3.49		
SOU99 c.667							2.04	3.17	7.41	3.16	3.46	4.91	8.68
SOU169 PIT8469 c.11151									3.62				
SOU169 PIT8469 c.11275								2.03	5.58	2.09		3.10	4.22
SOU169 PIT8474 c.8568									6.10			3.29	5.82
SOU169 PIT8474 c.9820									3.50				
SOU169 PIT8474c.9901										3.22	5.26	3.11	3.45
SOU169 PIT8474c.9959													
SOU169 PIT8576c.8686												2.23	4.14
SOU169 PIT8576 c.8709													
SOU169 PIT8454 c.8600													

FIGURE 4.9.a ANALYSIS OF VARIANCE (LVMW)

```
MTB > retr 'lvmw.sousax.mtwk'
MTB > aovo c1-c13

ANALYSIS OF VARIANCE
SOURCE      DF         SS         MS         F
FACTOR      12      43534       3628     23.86
ERROR     1807     274690        152
TOTAL     1819     318224

                                        INDIVIDUAL 95 PCT CI'S FOR MEAN
                                        BASED ON POOLED STDEV
LEVEL        N       MEAN      STDEV   -+---------+---------+---------+-----
8568       103      74.80      11.11              (-*--)
8600       676      70.78      12.45         (*-)
8686       142      75.91      12.94               (--*-)
8709       106      73.16      12.84           (-*--)
9959        35      74.57      16.99          (----*----)
11151       40      74.98      13.18          (----*---)
11275       48      77.42      11.65             (----*---)
242        133      73.89       8.51           (-*--)
667        282      77.45      13.08                (-*-)
896         97      90.57      10.36                                (--*--)
3571        53      74.98      13.92          (---*---)
9901        65      66.82      12.40   (---*--)
9820        40      67.73      12.17   (----*---)
                                        -+---------+---------+---------+-----
POOLED STDEV = 12.33                   64.0      72.0      80.0      88.0
```

Figure 4.9a Saxon Southampton: Analysis of variance (LVMW)

FIGURE 4.9.b ANALYSIS OF VARIANCE (LVML)

```
1
MTB > retr 'lvml.sousax.mtwk'
MTB > aovo c1-c13

ANALYSIS OF VARIANCE
SOURCE     DF          SS          MS          F
FACTOR     12       33987        2832      18.65
ERROR    1810      274899         152
TOTAL    1822      308887

                                          INDIVIDUAL 95 PCT CI'S FOR MEAN
                                          BASED ON POOLED STDEV
LEVEL       N        MEAN       STDEV     ----+---------+---------+---------+--
8568      102       66.76       10.39                (--*--)
8600      676       64.72       12.79                (*)
8686      142       66.80       12.04                 (-*--)
8709      106       66.02       12.17                (--*-)
9959       34       63.68       11.98          (-----*----)
11151      42       66.12       11.00              (----*---)
11275      48       68.10       10.40                (---*---)
242       133       61.27        8.95          (--*-)
667       283       70.16       13.87                     (-*)
896        97       79.49       11.34                                (--*--)
3571       55       67.11       13.76                (---*---)
9901       65       56.32       12.50   (--*---)
9820       40       61.60       11.89         (----*----)
                                          ----+---------+---------+---------+--
POOLED STDEV = 12.32                      56.0       64.0       72.0       80.0
```

Figure 4.9b Saxon Southampton: Analysis of variance (LVML)

FIGURE 4.9.c, ANALYSIS OF VARIANCE (RVMW)

```
MTB > retr 'rvmw.southamptonx.mtbk'
MTB > aovo c1-c13

ANALYSIS OF VARIANCE
SOURCE      DF          SS          MS          F
FACTOR      12       46211        3851      29.20
ERROR     1705      224861         132
TOTAL     1717      271071

                                                  INDIVIDUAL 95 PCT CI'S FOR MEAN
                                                  BASED ON POOLED STDEV
LEVEL        N        MEAN       STDEV  ---------+---------+---------+-------
8568       134       67.34        9.16                (-*-)
8600       651       61.66       11.71           (*)
8686       125       67.11       11.50               (-*-)
8709        65       63.32       10.85           (-*--)
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                    (*-)
896         97       79.91        9.64                              (-*-)
3571        43       64.35       12.68           (--*---)
9901        48       55.04       13.84   (--*--)
9820        48       63.96        9.91           (--*--)
                                          ---------+---------+---------+-------
POOLED STDEV = 11.48                             60        70        80
MTB > stop
```

Figure 4.9c Saxon Southampton: Analysis of variance (RVMW)

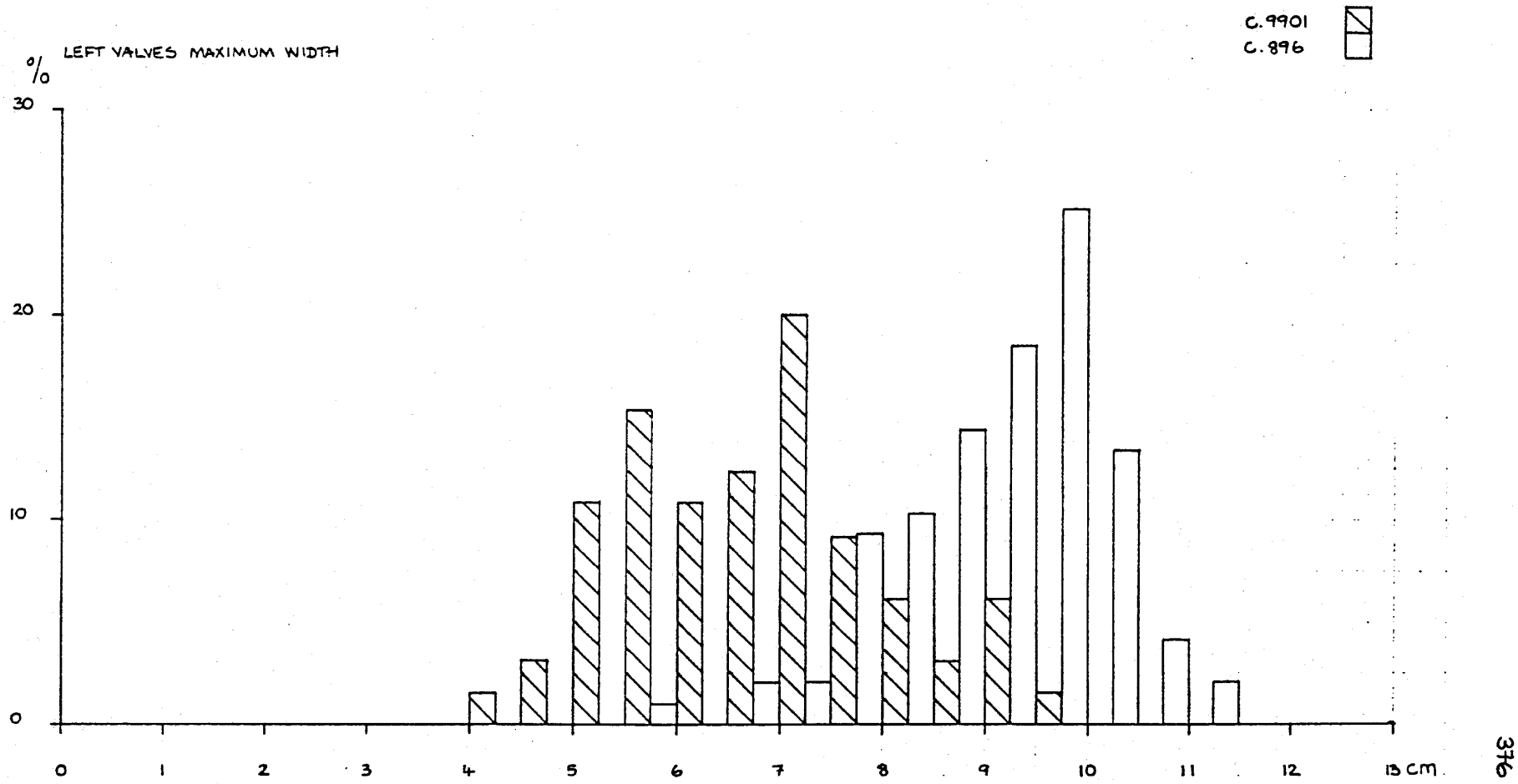
FIGURE 4.9.d ANALYSIS OF VARIANCE (RVML)

```
MTB > retr 'rvml.sousax.mtwk'
MTB > aovo c1-c13

1
ANALYSIS OF VARIANCE
SOURCE      DF          SS          MS          F
FACTOR      12       30501        2542      21.87
ERROR     1720      199905         116
TOTAL     1732      230407

                                                  INDIVIDUAL 95 PCT CI'S FOR MEAN

                                                  BASED ON POOLED STDEV
LEVEL        N        MEAN       STDEV  ---------+---------+---------+-------
8568       135       60.26        9.43                    (-*--)
8600       650       54.89       11.17               (*)
8686       144       58.69        9.68                  (-*--)
8709        65       55.40        9.96            (---*--)
9959        30       56.63        9.33            (-----*-----)
11151       36       58.50       12.25               (----*----)
11275       51       61.33       10.45                    (---*---)
242        163       54.54       11.13             (-*-)
667        226       62.53       11.47                       (-*-)
896         97       69.15        9.23                                (--*--)
3571        44       55.25       11.12          (----*---)
9901        44       48.95       11.05  (---*----)
9820        48       56.98       10.90               (---*---)
                                          ---------+---------+---------+-------
POOLED STDEV = 10.78                            52.5      60.0      67.5
```

Figure 4.9d Saxon Southampton: Analysis of variance (RVML)

FIGURE 4.10

SAXON SOUTHAMPTON SIZE FREQUENCY DISTRIBUTIONS OF OYSTER SHELLS FROM SOU99/W36 C.896 AND SOU169 T2 PIT 8474 C.9901



SIZE BY PHASE (LVMW)

PHASE	CONTEXT	No. IN SAMPLE	MINIMUM IN mm	MAXIMUM in mm	MEAN	STANDARD DEVIATION	STANDARD ERROR OF MEAN
EARLY 700-750 AD.	SOU 99 c. 896	97	57	110	90.7	10.4	1.1
MID 750-850	SOU30 F2013 @ 3571	53	48	105	75	13.9	1.9
	SOU99 c. 242	133	50	101	73.89	8.51	0.74
	SOU99 c. 667	282	41	115	77.45	13.08	0.78
	SOU169 PIT 8469 c.11151	40	55	105	75.	13.2	2.1
	SOU169 PIT 8469 c.11275	48	52	100	77.4	11.7	1.7
	SOU169 PIT 8474 c.8568	103	50	110	74.8	11.1	1.1
	SOU169 PIT 8474 c.9820	40	33	93	67.7	12.2	1.9
	SOU169 PIT 8474 c.9901	65	42	99	66.8	12.4	1.5
	SOU169 PIT 8474 c.9959	35	47	109	74.6	17.0	2.9
	SOU169 PIT 8576 c.8686	142	37	113	75.9	12.9	1.1
	SOU169 PIT 8576 c.8709	106	48	125	73.2	12.8	1.2
LATE 850-900	SOU169 c.8600 PIT 8454	676	26.	110	70.78	12.45	0.48

Table 4.8 Saxon Southampton: Size of oysters by phase (LVMW)

SIZE BY PHASE (LVML)

PHASE	CONTEXT	NUMBER	MIN IN mm	MAX IN mm	MEAN	STANDARD DEVIATION	S. ERROR OF MEAN
EARLY 700-750	SOU 99 c. 896	97	50	105	79.5	11.3	1.2
MID 750-850	SOU 30 F2013 ⑩ c.3571	55	42	105	67.1	13.8	1.9
	SOU 99 c.242	133	40	90	61.27	8.95	0.78
	SOU 99 c.667	283	35	125	70.16	13.87	0.82
	SOU 169 PIT 8469 c.11151	42	33	88	66.1	11.0	1.7
	SOU 169 PIT 8469 c.11275	48	45	91	68.1	10.4	1.5
	SOU 169 PIT 8474 c.8568	102	45	90	66.8	10.4	1.0
	SOU 169 PIT 8474 c.9820	40	35	87	61.6	11.9	1.9
	SOU 169 PIT 8474 c.9901	65	35	102	56.3	12.5	1.6
	SOU 169 PIT 8474 c.9959	34	35	94	63.7	12.0	2.1
	SOU 169 PIT 8576c.8686	142	40	105	66.8	12.0	1.0
	SOU 169 PIT 8576 c.8709	106	40	99	66	12.2	1.2
LATE 850-900	SOU 169 PIT 8454 c.8600	676	28	105	64.72	12.78	0.49

Table 4.9 Saxon Southampton: Size of oysters by phase (LVML)

SIZE BY PHASE (RVMW)

PHASE	CONTEXT	NUMBER	MIN IN mm	MAX IN mm	MEAN	STANDARD DEVIATION	S. ERROR OF MEAN
EARLY 700-750	SOU99 c.896	97	48	96	79.91	9.64	0.98
MID 750-850	SOU30 F2013 ⓘ c.3571	43	25	90	64.3	12.7	1.9
	SOU99 c.242	163	35	105	66.98	12.26	0.96
	SOU99 c.667	226	38	105	71.39	11.91	0.79
	SOU169 PIT8469 c.11151	37	36	95	69.9	13.5	2.2
	SOU169 PIT8469 c.11275	51	50	95	70.4	11.2	1.6
	SOU169 PIT8474 c.8568	131	41	90	67.34	9.16	0.79
	SOU169 PIT8474 c.9820	48	25	80	55.0	13.8	2.0
	SOU169 PIT8474 c.9901	48	45	86	63.96	9.91	1.43
	SOU169 PIT8474 c.9959	30	37	90	64.93	8.99	1.64
	SOU169 PIT8576 c.8686	125	47	110	67.1	11.5	1.0
	SOU169 PIT8576 c.8709	65	42	90	63.3	10.9	1.3
LATE 850-900	SOU169 PIT8454 c.8600	651	22	107	61.66	11.71	0.46

Table 4.10 Saxon Southampton: Size of oysters by phase (RVMW)

SIZE BY PHASE (RVML)

PHASE	CONTEXT	NUMBER	MIN IN mm	MAX IN mm	MEAN	STANDARD DEVIATION	S.ERROR OF MEAN
EARLY 700-750	SOU 99 c.896	97	33	87	69.15	9.23	0.94
MID 750-850	SOU 30 F2013 @ c.3571	44	21	87	55.3	11.1	1.7
	SOU 99 c. 242	163	30	88	54.54	11.13	0.87
	SOU 99 c. 667	226	35	100	62.53	11.47	0.76
	SOU 169 PIT 8469 c.11151	36	30	77	58.5	12.3	2.0
	SOU 169 PIT 8469 c.11275	51	35	80	61.3	10.5	1.5
	SOU 169 PIT 8474 c. 8568	135	35	80	60.26	9.43	0.81
	SOU 169 PIT 8474 c. 9820	48	25	78	57.0	10.9	1.6
	SOU 169 PIT 8474 c. 9901	44	25	75	49.0	11.0	1.7
	SOU 169 PIT 8474 c. 9959	30	32	80	56.63	9.33	1.7
	SOU 169 PIT 8576 c. 8686	144	37	93	58.69	9.68	0.81
	SOU 169 PIT 8576 c. 8709	65	39	79	55.40	9.96	1.24
LATE 850-900	SOU 169 PIT 8454 c. 8600	650	19	93	54.89	11.17	0.44

Table 4.11 Saxon Southampton: Size of oysters by phase (RVML)

RATE OF INFESTATION BY CONTEXT TYPE

CONTEXT TYPE	VALVE		i	ii	iii	iv	viii	v	vi	vii	NUMBER IN SAMPLE
WELLS	LEFT	No. shells (No.) affected	11	9	6	1	14	0	0	10	97
		Percentage (%)	11·3	9·3	6·2	1·0	14·4			10·3	
	RIGHT	No.	3	17	3	0	0	0	0	3	97
		%	3·1	17·5	3·1					3·1	
ROAD SURFACES	LEFT	No.	77	62	16	6	6	8	8	8	415
		%	18·6	14·9	3·9	1·5	1·5	1·9	1·9	1·9	
	RIGHT	No.	41	57	7	5	0	0	5	6	389
		%	10·5	14·7	1·8	1·3			1·3	1·5	
PITS	LEFT	No.	78	136	21	4	13	41	58	20	1313
		%	5·9	10·4	1·6	0·3	1·0	3·1	4·4	1·5	
	RIGHT	No.	30	100	3	2	0	3	6	6	1252
		%	2·4	8·0	0·2	0·2		0·2	0·5	0·5	

i Polydora ciliata
ii Polydora hoplura
iii Cliona celata
iv Calcareous tubes
v Barnacles
vi Bryozoa (Polyzoa)
vii Boreholes
viii Sand tubes

Table 4.12 Saxon Southampton: Rate of infestation/encrustation in oyster shells by context type

PHASE	VALVE		i	ii	iii	iv	viii	v	vi	vii	NUMBER IN SAMPLE
EARLY 700-750	LEFT	No. shells (No.) affected	11	9	6	1	14	0	0	10	97
		Percentage (%)	11.3	9.3	6.2	1.0	14.4			10.3	
	RIGHT	No.	3	17	3	0	0	0	0	3	97
		%	3.1	17.5	3.1					3.1	
MID 750-850	LEFT	No.	122	98	27	10	19	49	66	27	1052
		%	11.6	9.3	2.6	1.0	1.8	4.7	6.3	2.6	
	RIGHT	No.	62	100	9	7	0	3	11	12	991
		%	6.3	10.1	0.9	0.7		0.3	1.1	1.2	
LATE 850-900	LEFT	No	33	100	10	0	0	0	0	1	676
		%	4.9	14.8	1.5					0.2	
	RIGHT	No.	9	57	1	0	0	0	0	0	650
		%	1.4	8.8	0.2						

i Polydora ciliata
ii Polydora hoplura
iii Cliona celata
iv Calcareous tubes
v Barnacles
vi Bryozoa (Polyzoa)
vii Bore holes
viii Sand tubes

Table 4.13 Saxon Southampton: Rate of infestation/encrustation in oyster shells by phase

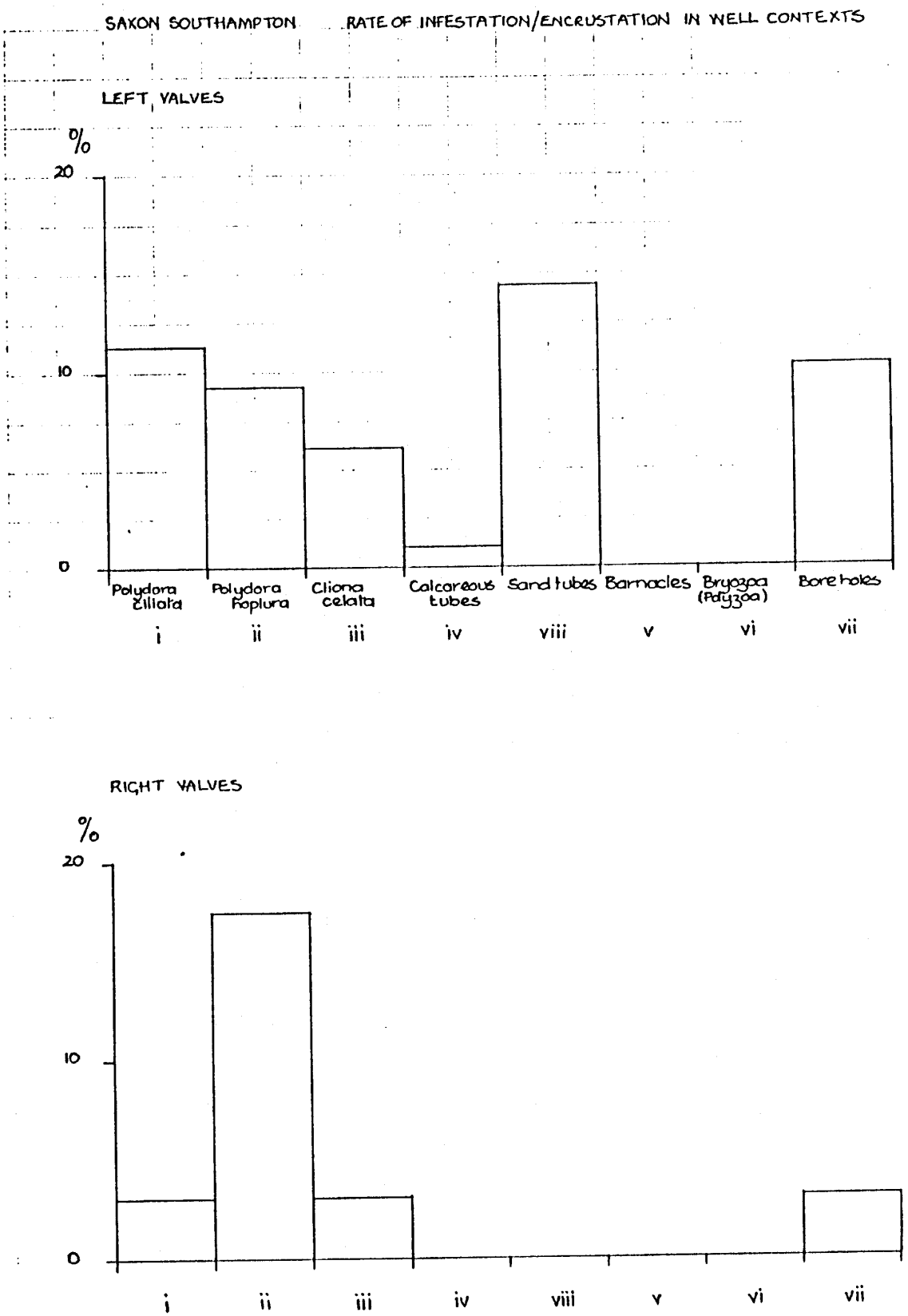


Figure 4.11 Saxon Southampton: Rate of infestation/encrustation in oyster shells from well contexts

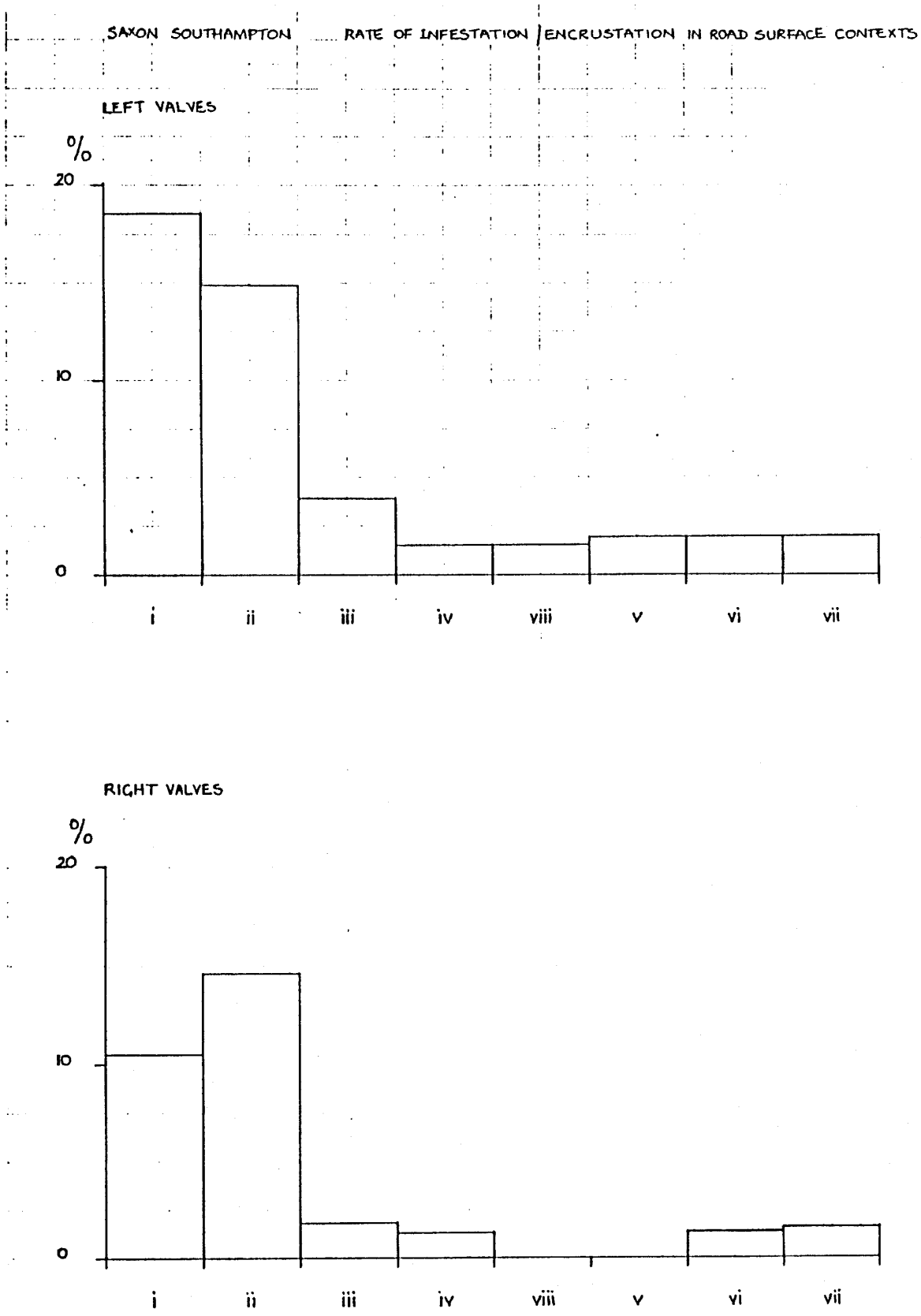


Figure 4.12 Saxon Southampton: Rate of infestation/encrustation in oyster shells from road-surface contexts

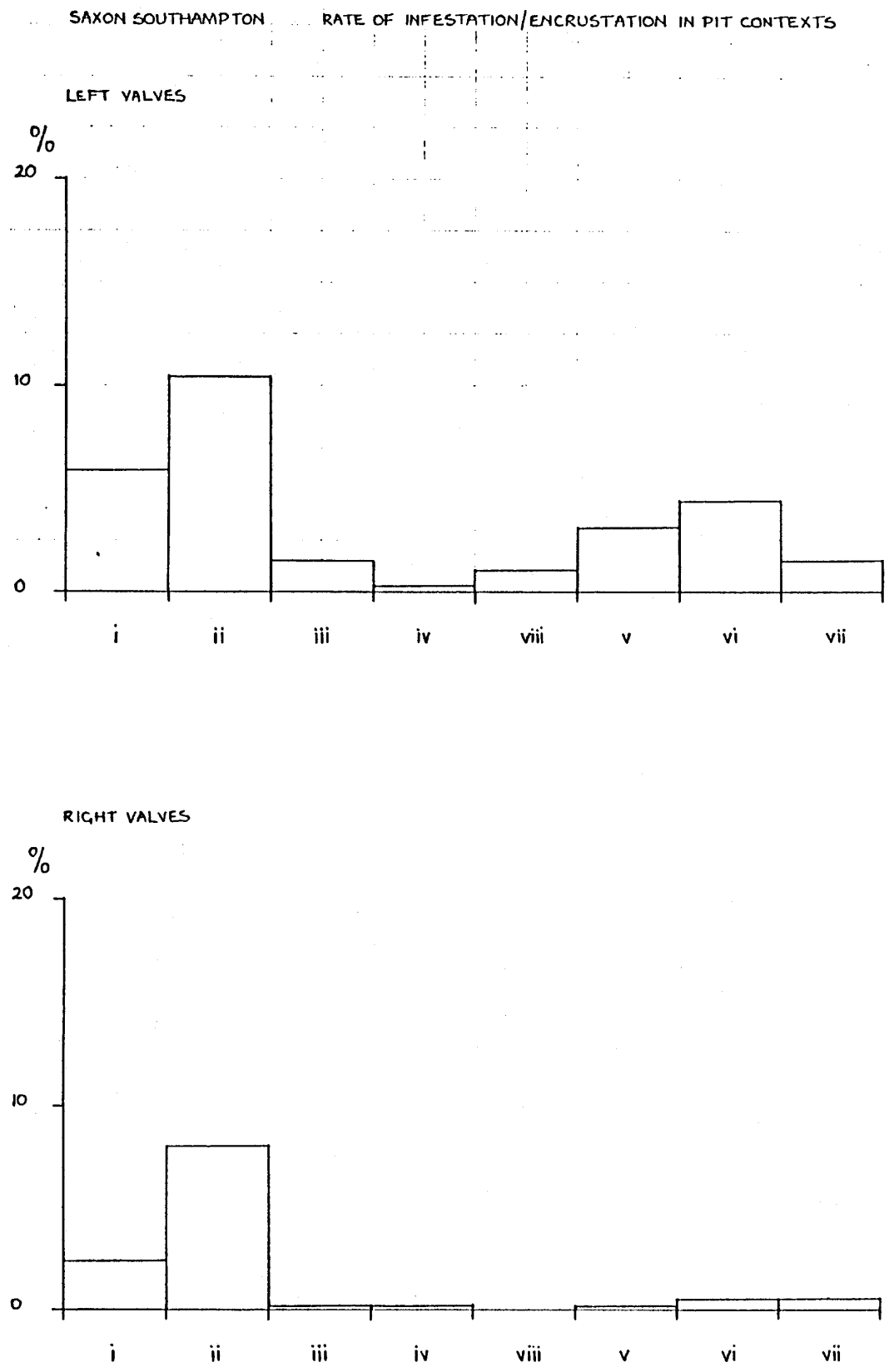


Figure 4.13 Saxon Southampton: Rate of infestation/encrustation in oyster shells from pit contexts

FIGURE 4.14

SAXON SOUTHAMPTON RATE OF INFESTATION/ENCRUSTATION IN OYSTER SHELLS BY PHASE

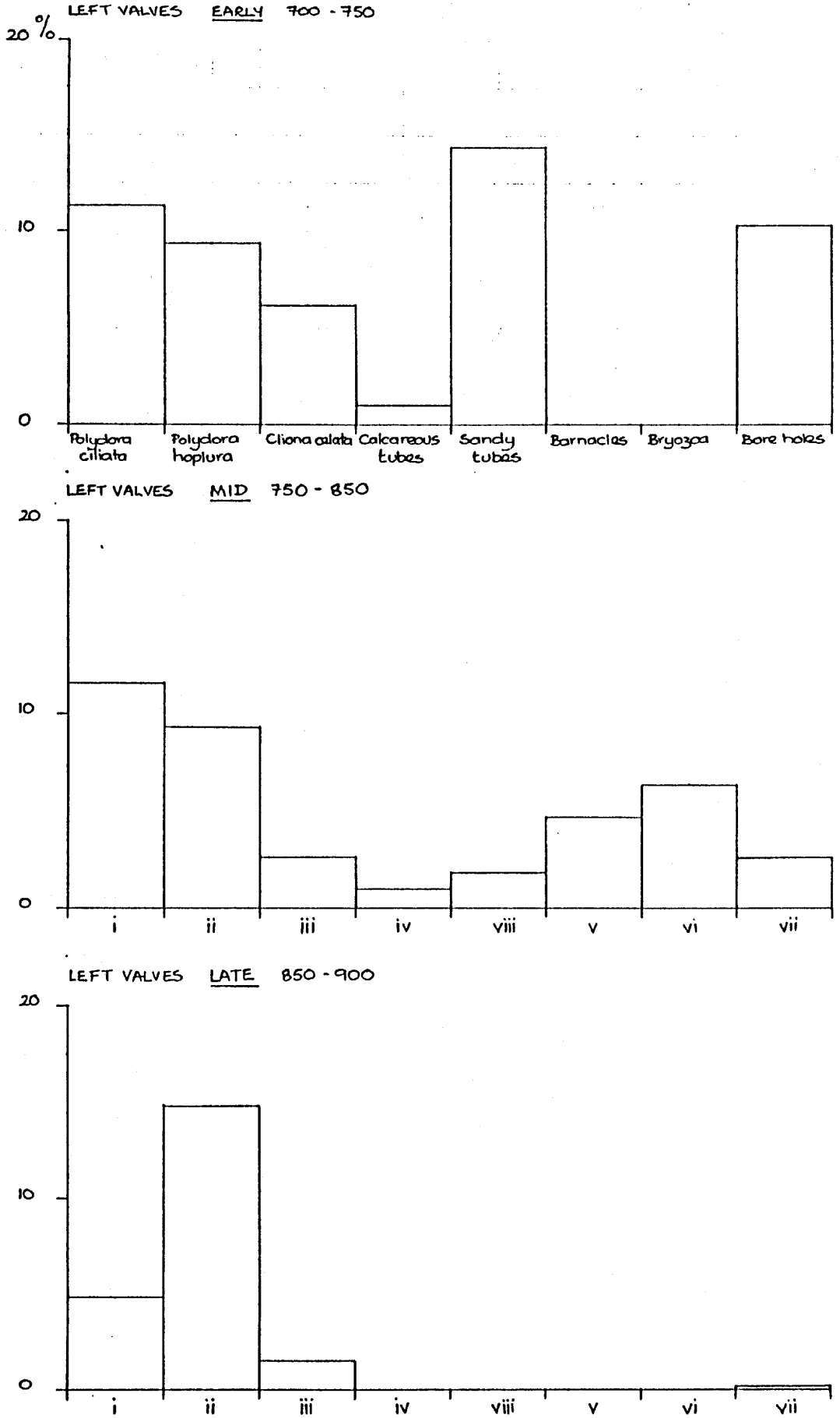
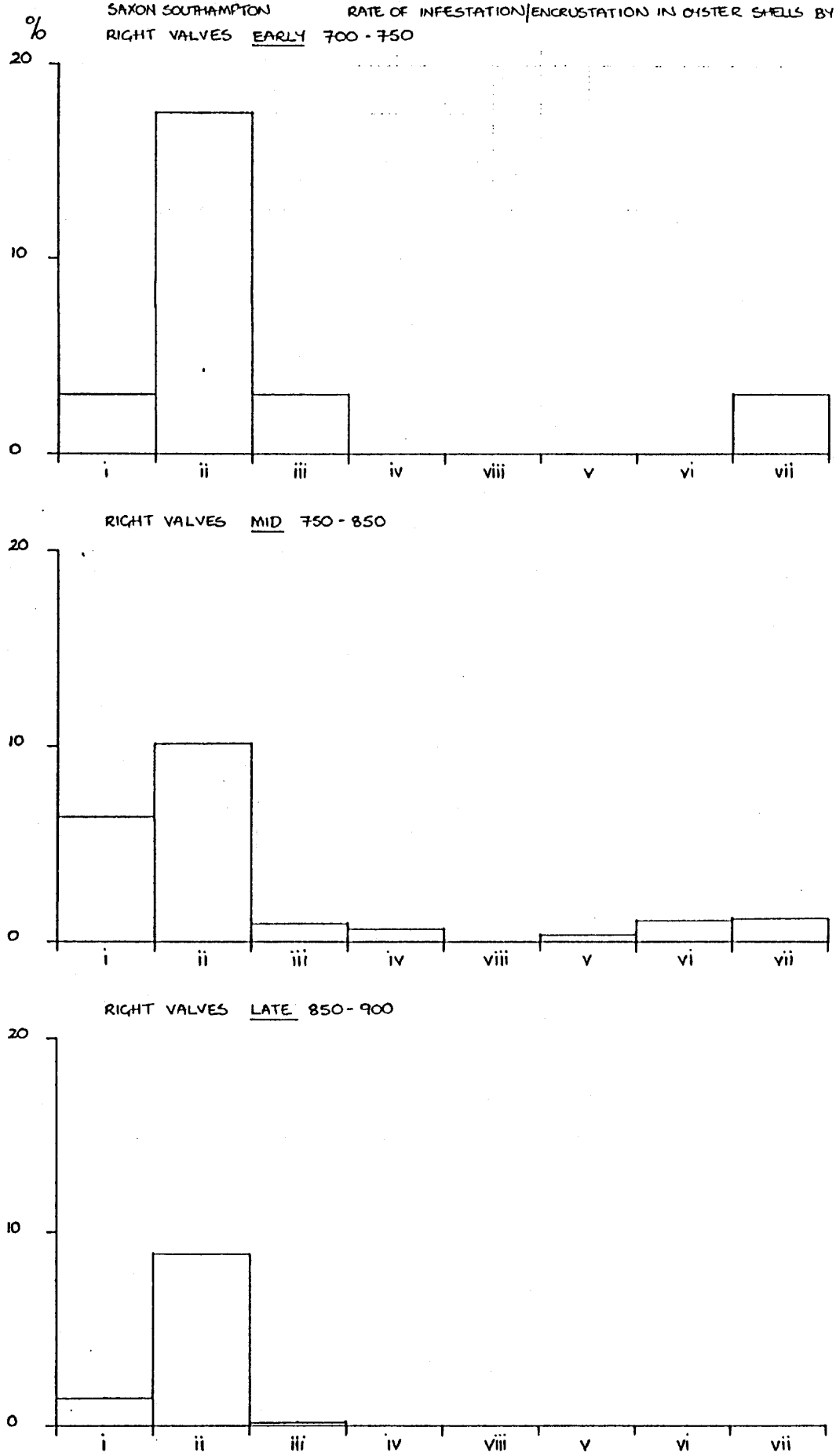


FIGURE 4.15

SAXON SOUTHAMPTON RATE OF INFESTATION/ENCRUSTATION IN OYSTER SHELLS BY PHASE



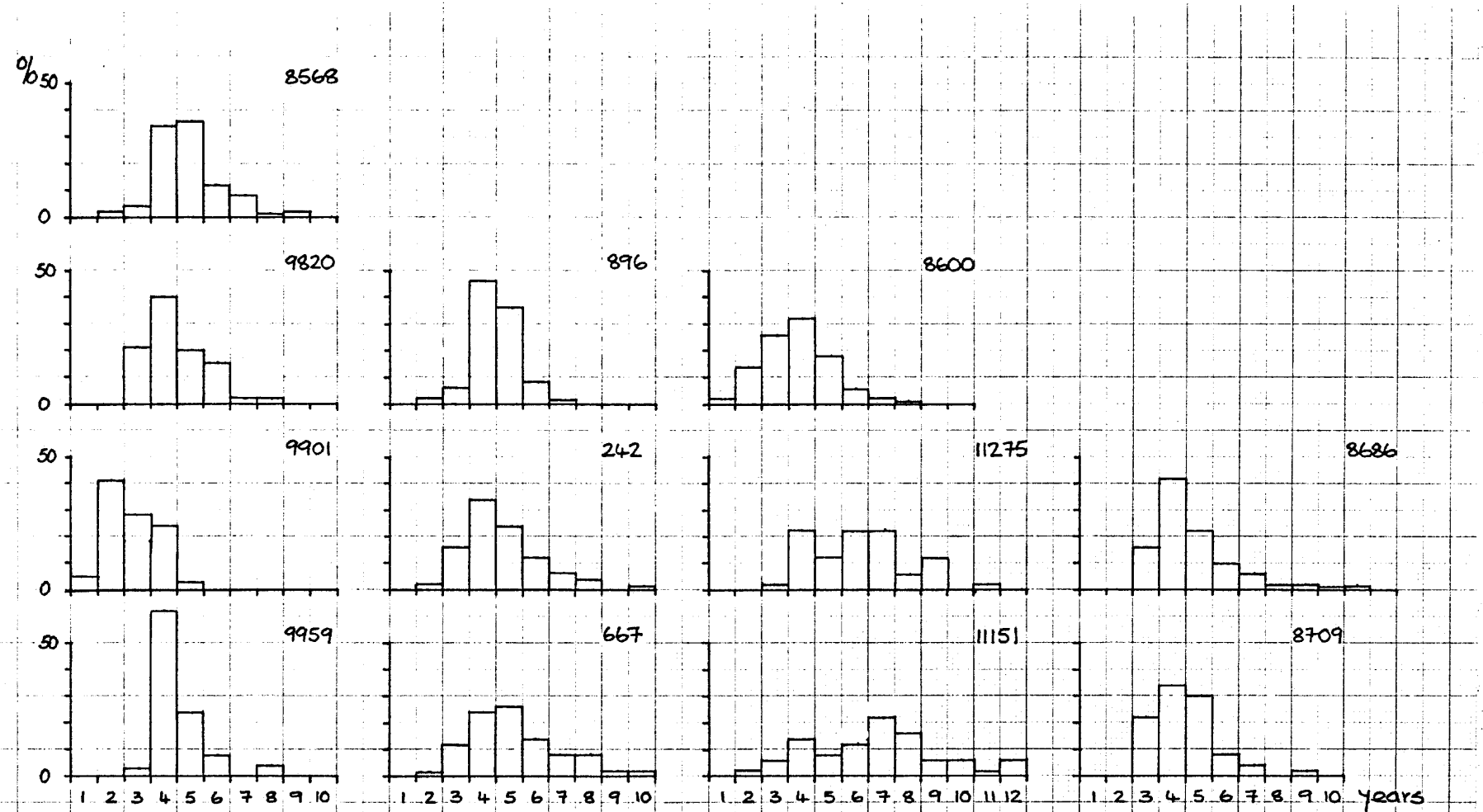


Figure 4.16

DISTRIBUTION OF YEAR GROUPS OF OYSTER SHELLS (RIGHT VALVES) FROM SIXDIALS VARIABILITY STUDY CONTEXTS AT HAMWIC (SAXON SOUTHAMPTON) (All age groups represented)

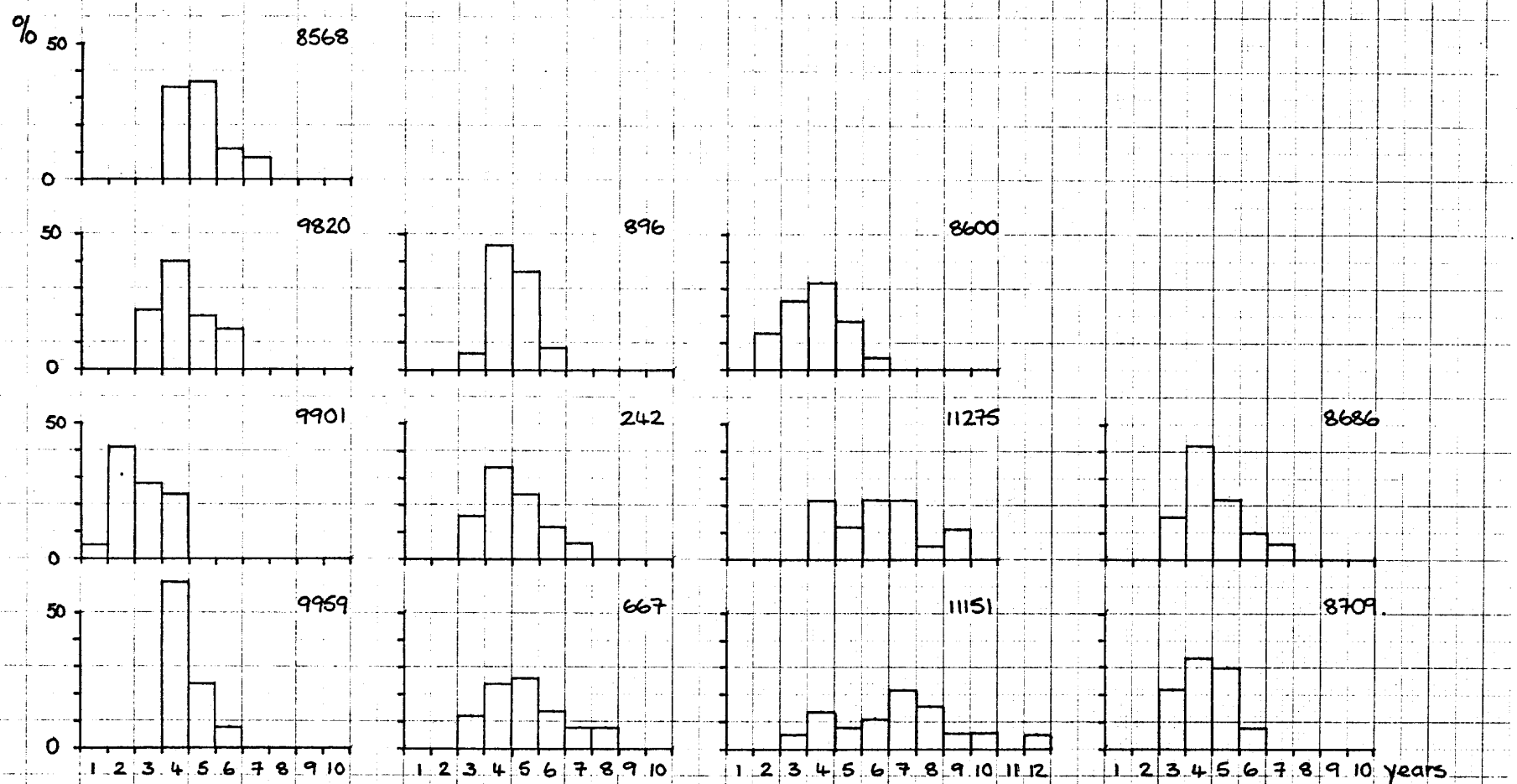


Figure 4.17

DISTRIBUTION OF YEAR GROUPS OF OYSTER SHELL SAMPLES (RIGHT VALVES) FROM THE SIX DIALS VARIABILITY STUDY AT HAMWIC (SAXON SOUTHAMPTON). (Age groups with less than 5% of sample omitted).

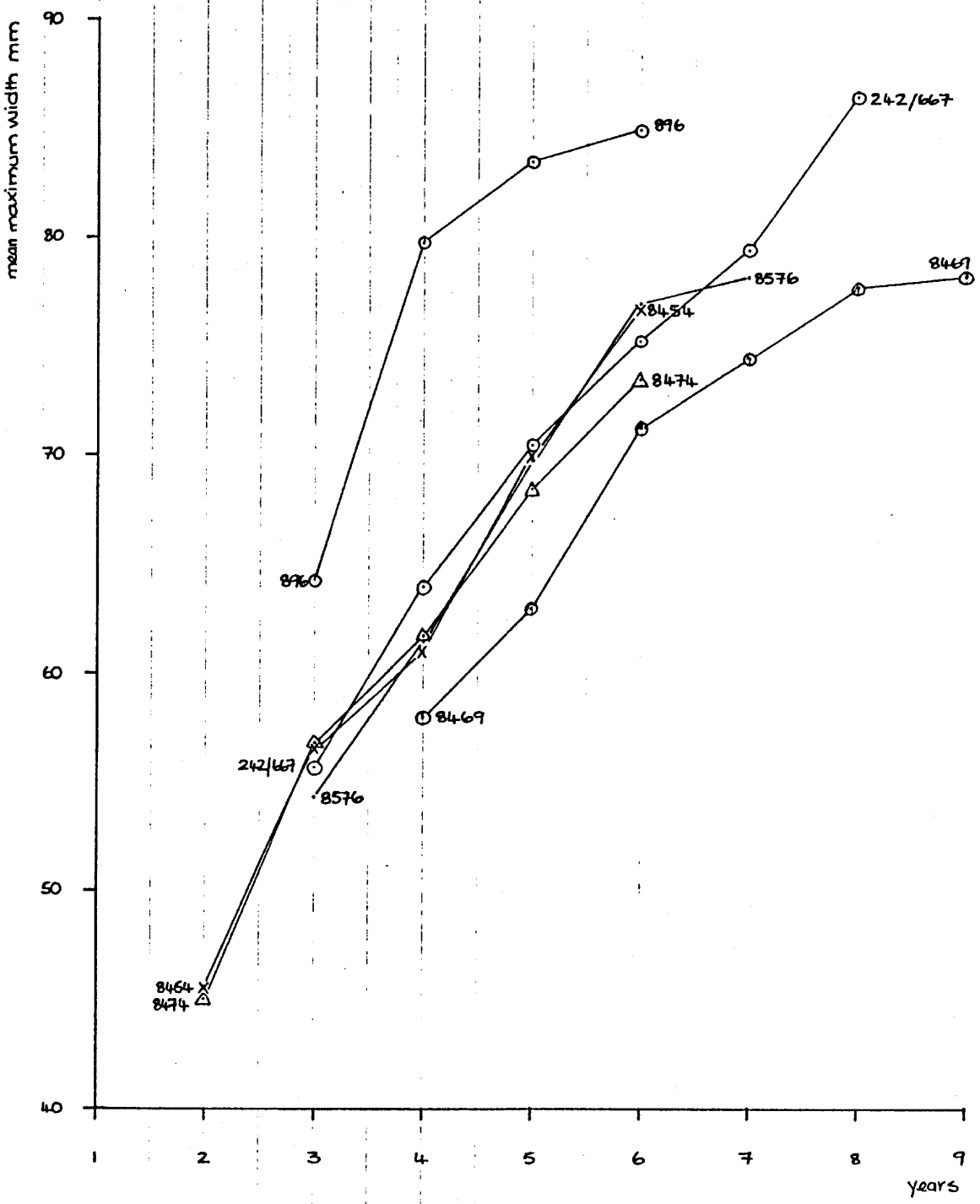


Figure 4.18

GROWTH RATE OF OYSTERS FROM THE VARIABILITY STUDY GROUP OF SAMARES (using grouped data for samples belonging to individual features such as pits, well and road surfaces. Mean MW for age groups with less than 5% of sample omitted).

Table 4.14

LINEAR REGRESSION DATA FOR OYSTER SHELLS (RIGHT VALVES; LENGTH : WIDTH) FOR LARGER SAMPLES FROM THE SIX DIALS VARIABILITY STUDY, HAMWIC.

CONTEXT	n	SLOPE	CORRELATION COEFFICIENT	SCALE OF * ROUNDNESS
SOU99 W.36 c.896	97	0·8661 (40·895°)	0·8295	8
SOU99 W36 c.242	163	0·9352 (43·083°)	0·849	3
SOU99 W36 c.667	225	0·8272 (39·5987°)	0·8564	10
SOU30 F2013⑩ c.3571	43	0·9862 (44·6012°)	0·8742	1
SOU169 PIT 8474 c.8568	134	0·7613 (37·2810°)	0·7883	12
c.9820	51	0·9205 (42·6311°)		5
c.9901	44	0·9140 (42·4282°)	0·8620	6
c.9959	30	0·7490 (36·8322°)	0·7863	13
SOU169 PIT 8469 c.11151	37	0·9252 (42·7763°)	0·9029	4
c.11275	51	0·8598 (40·6890°)	0·8026	9
SOU169 PIT 8576 c.8709	59	0·9827 (44·5011°)	0·8627	2
c.8686	144	0·7835 (38·0777°)	0·7503	11
SOU169 PIT 8464 c.8600	650	0·8836 (41·4632)	0·8509	7

* 1 REPRESENTS THE MOST ROUND OR REGULAR SHELLS & 13 REPRESENTS THE LEAST ROUND AND LEAST REGULAR.

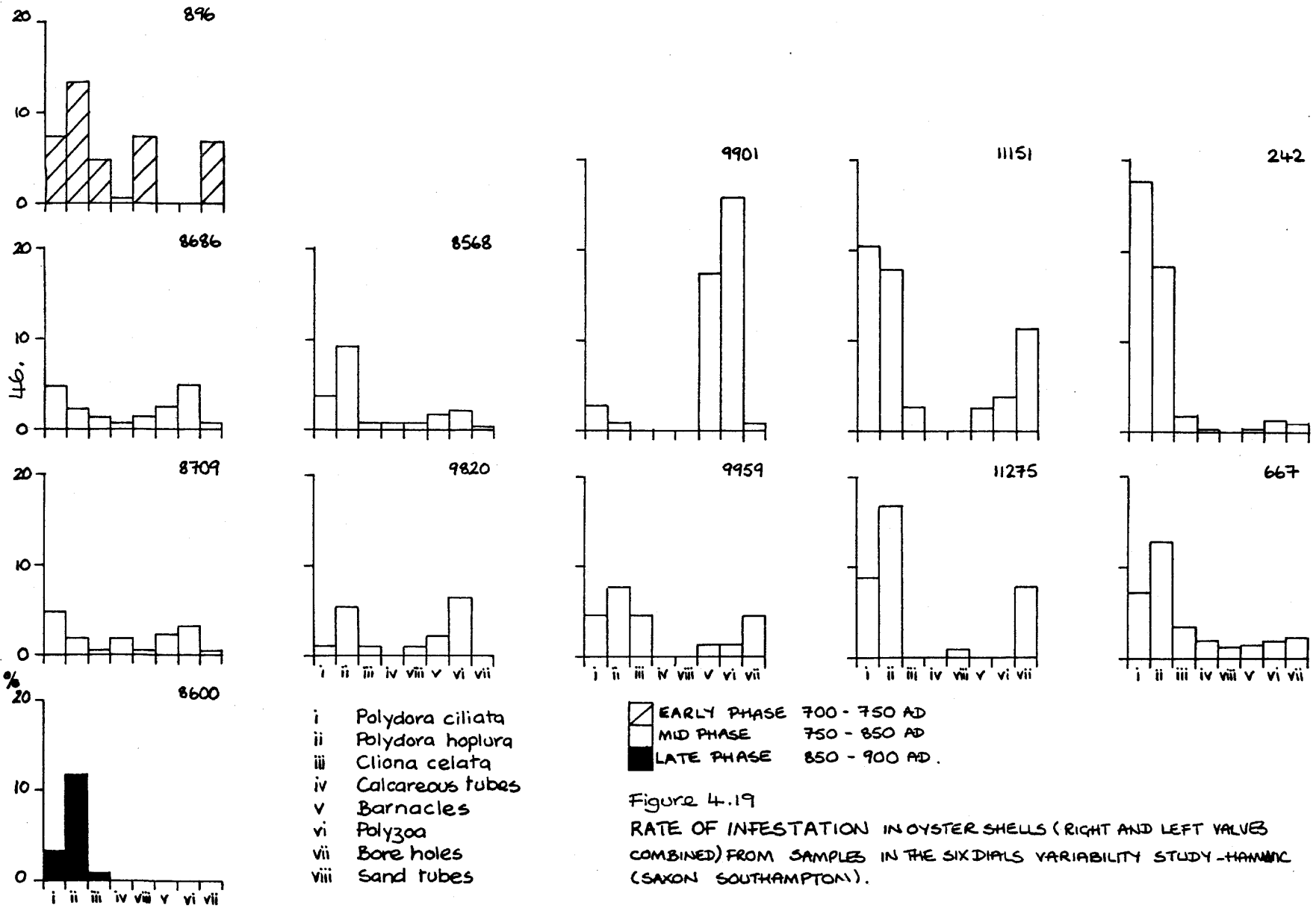
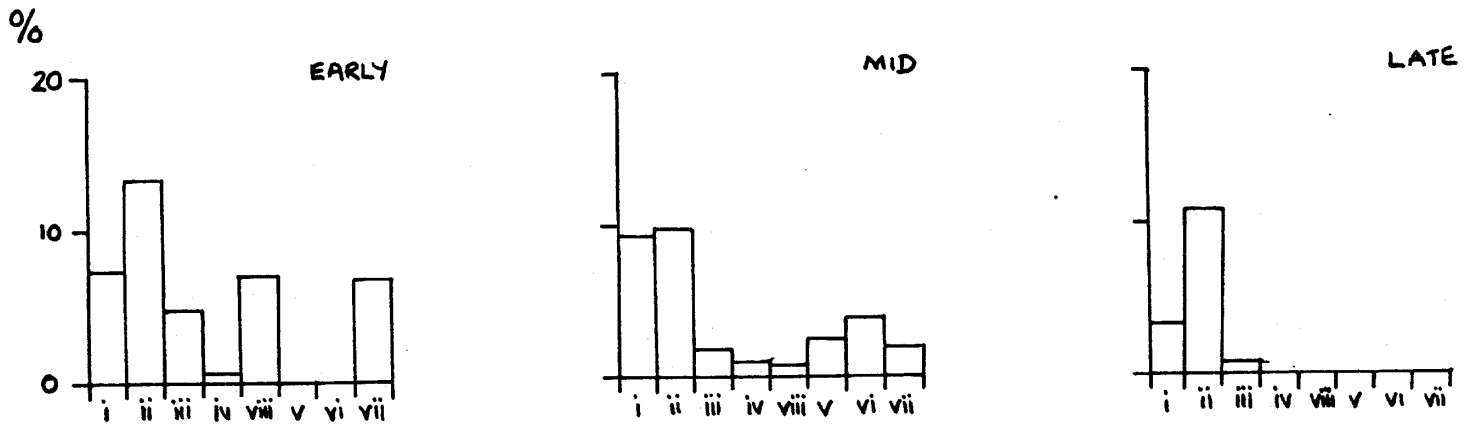


Figure 4.19

RATE OF INFESTATION IN OYSTER SHELLS (RIGHT AND LEFT VALVES COMBINED) FROM SAMPLES IN THE SIX DIALS VARIABILITY STUDY - HANWIC (SAXON SOUTHAMPTON).



i Polydoraciliata
ii Polydora hoplura
iii Cliona celata
iv Calcareous tubes
v Barnacles
vi Bryozoa|Polyzoa
vii Bore holes
viii Sand tubes

EARLY PHASE	AD 700-750
MID PHASE (GROUPED)	AD 750-850
LATE PHASE	AD 850-900

Figure 4.20
RATE OF INFESTATION IN OYSTER SHELLS (RIGHT AND LEFT VALVES COMBINED) FROM SIX DIALS VARIABILITY STUDY SAMPLES - HAMWIC (SAXON SOUTHAMPTON).

	WINKLES	MUSSELS (VALVES)	COCKLES (VALVES)	WHELKS	DOG WHELKS	SADDLE OYSTERS (VALVES OR BYSSI)	VARIEGATED SCALLOPS (VALVES)
SOU99 W36 c.242	2	10	-	0	0	0	0
667	16	-	0	0	0	-	2
896	0	0	0	0	0	4	0
SOU169 PIT 8456 c 8600	0	Frag.	Frag.	0	0	1	Frag
SOU169 PIT 8469 c.11151	1	Frag.	0	0	0	0	0
c.11275	4	4	0	0	0	-	0
SOU169 PIT 8474 c.8568	1	-	0	0	-	0	0
c.9820	0	0	0	0	0	0	0
c.9901	12	0	0	0	0	0	0
c.9959	0	4	0	0	0	-	0
SOU169 PIT 8576 c.8686	60	2	3	0	0	-	0
c.8709	12	-	0	0	0	0	0

OTHER MARINE MOLLUSC SHELLS ASSOCIATED WITH THE LARGE SAMPLES FROM THE SIX DIALS VARIABILITY STUDY, HAMWIC.

Table 4.15

Table 4.16a

MARINE MOLLUSC SHELLS ASSOCIATED WITH DEPOSITS OF LESS THAN 30 INDIVIDUAL OYSTERS FROM SIX DIALS, HAMWIC

		WINKLES	MUSSELS	COCKLES	WHELKS	DOG WHELKS	SADDLE OYSTERS	VARIEGATED SCALLOPS	OTHER SPECIES
SOU30 F2013 ④	c.3541								
SOU30 F2013 ⑥	c.3571	220	Fr.			2		Fr.	
SOU30 F2013 ⑪	c.3577								
SOU30 F2014 ①	c.3295	3							
SOU30 F2014 ①	c.3296	1							
SOU30 F2014 ⑦	c.3574								
SOU31 F2066 ①	c.5429								
SOU31 F2066 ②	c.5436		2						
SOU 169 T1	c.8777	Fr.							
	c.8860	Fr.							
	c.11613								
	c.11636								
SOU169 T2 Pit 8469	c.8471	27	Fr.	1	4	4			
	c.8472		Fr.						
	c.8562	1							
	c.8563	3							
	c.8660	4	4						
	c.8663	3							
	c.8664		2						
	c.8696		2						
	c.8697	1	Fr.						
	c.8698	1	1						
	c.8704	3							
	c.8705	1	3						
	c.8725	59	9	13	1				
	c.10266	7							
	c.10419	1							
	c.10563								
	c.11318	24	Fr.						
	c.11342	2							
	c.11343	3	Fr.						
	c.11344	5							
	c.11345	1							
SOU169 T2 A: 8474	c.8553				1				
	c.8566								
SOU169 T2 Pit. 8474	c.9902		Fr.						
	c.9960								
	c.10079	3	Fr.						
	c.10080	5	4						
	c.10176	1	2						
	c.10179								
	c.10180	1	2						
	c.10196								
	c.10198		2						
SOU169 T2 Pit. 8576	c.8577								
	c.8578								
	c.8579		3						
	c.8595		Fr.						
	c.8710	29	1	1	2				
	c.8721	17	9						
	c.8733	14							
	c.8736	58							
	c.8846	1							
	c.10970	145	3	5	3				
	c.10971	2							
	c.10990	214	1	5					
	c.11059								
	c.11101								✓
	c.11123								
	c.11189								
	c.12770	4							
SOU169 Pit 8723	c.10263		11	1					
	c.10264	3	1			1			
	c.10379	29	Fr.						
	c.10951	1	232	11					✓
	c.10956	4							✓
	c.11139	1							
	c.11140								
SOU169 T2 A: 8739	c.8739	2							
	c.9812	1							
	c.9817	1							

Table 4.16b
MARINE MOLLUSC SHELLS ASSOCIATED WITH SMALL DEPOSITS OF OYSTER SHELL AT SIX DIALS, HAMWIC – continued.

		WINKLES	MUSSELS	COCKLES	WHELKS	DOG WHELKS	SADDLE OYSTERS	VARIEGATED SCALLOP	OTHER SPECIES
SOU169 Tr A	c.9818	1	Fr.						
	c.9820								
	c.9823								
	c.9871	2							
	c.9904								
	c.10722	4	Fr.	Fr.					
	c.11104								
	c.11127	5							
	c.11129		Fr.						
	c.11145								
	c.11146								
SOU169 AT 1675	c.11677								
	c.11678								
	c.11680								
	c.11681	5	Fr.						
	c.11683	3							
	c.11685	3							
SOU169 T3	c.12371								
	c.12505	5							
	c.13133								

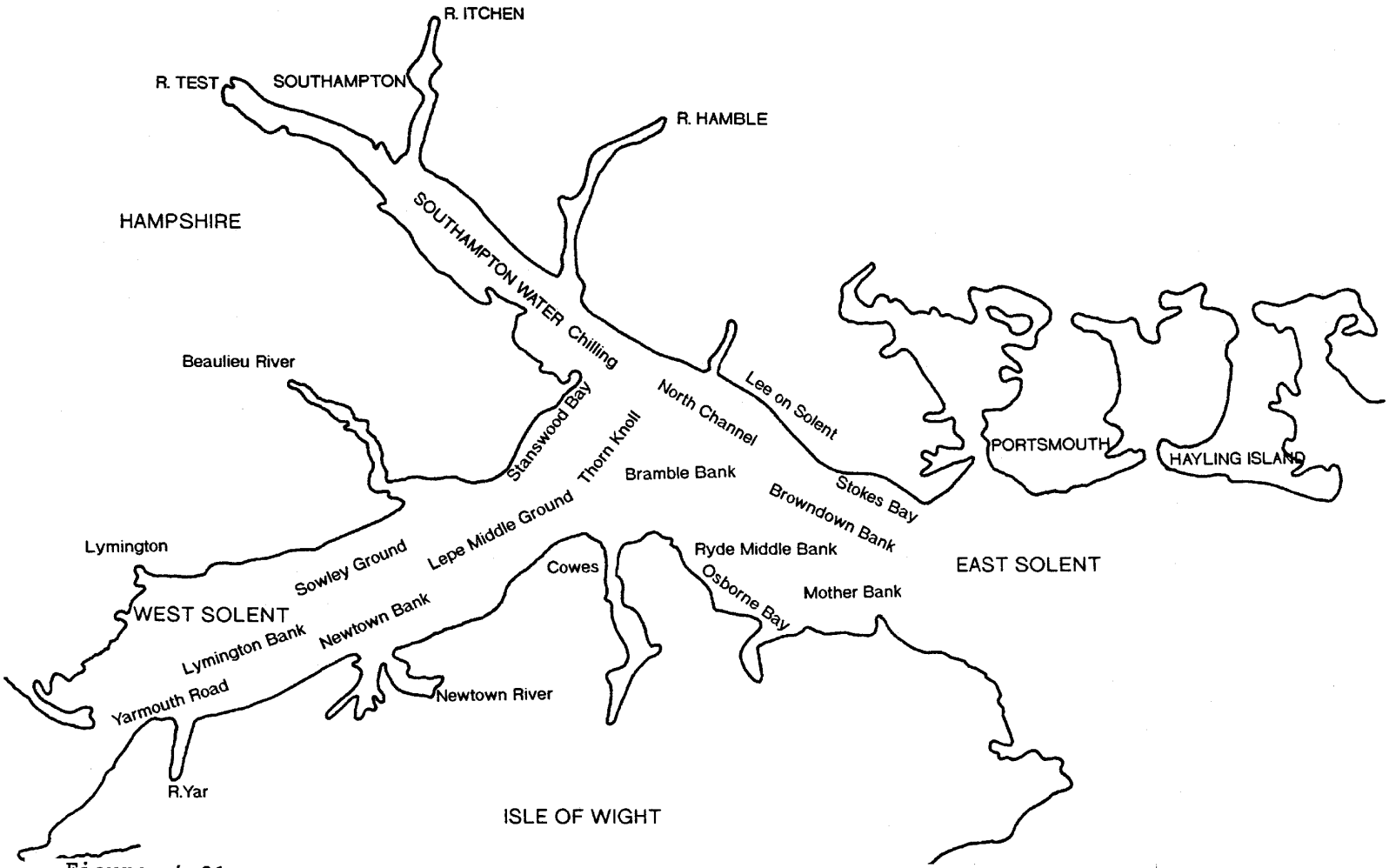


Figure 4.21 Saxon Southampton: Sketch map showing the approximate positions of oyster grounds in the Solent and Southampton Water

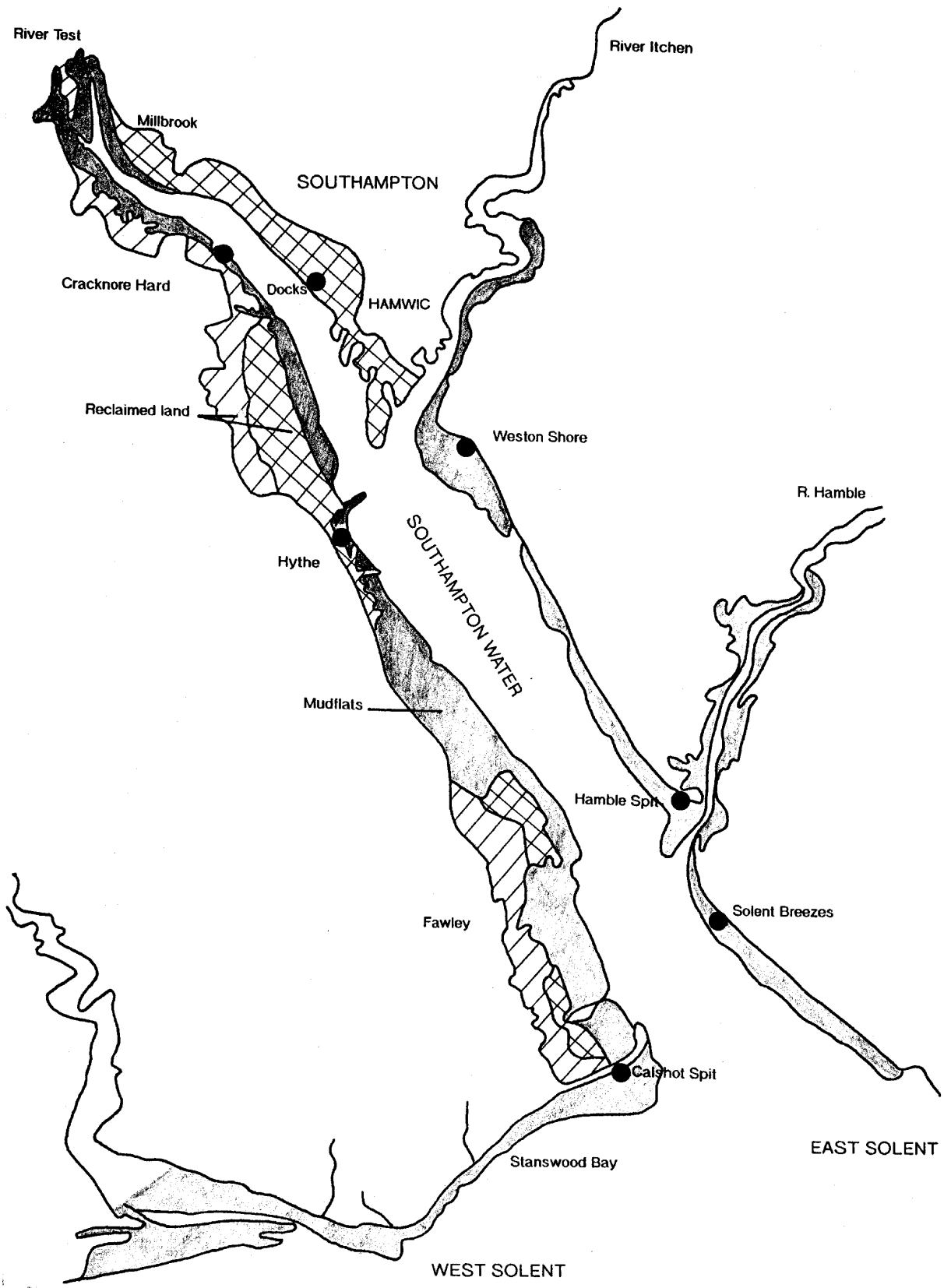


Figure 4.22 Saxon Southampton: Sketch map of Southampton Water showing approximate positions of reclaimed land, intertidal flats and places mentioned in the text