BENTHOS 26-2-83

20 1·4 10 ·71 ·5 ·25

	I A B C D	II A B C D E	III A B C D E	IV A B C D E	V A B C D E	VI A B C D E	TOTAL A B C D E	
1	00100	20000	141000	172100	392000	605070	152,10,2,7,0	171
2	00000	10100	180100	280600	240743	590531 2	150,0,20,45,5	200
3	00100	00000	100100	350500	47087 0	790431	171,0,19,38,1	229
4	00000	30000	70000	150100 1?	350100	330030	93,0,2,3,0	98
5	00000	00000	00000	51010	211000	342011	60,4,0,2,1,	67
6	00100	00000	60100	210530	470190	7100390	145,0,8,51,0	204
7	00000	00000	00000	112100	211210	580012 0	90,3,3,13,0	109
8	00000	00000	50000	110000	391101	750160	130,1,2,6,1	140
9	00100	00000	50000	80001	170200	300020	60,0,3,2,1	66
10	00000	10000	40000	140000	340000	800050	133,995,0	138
11	00000	00000	30000	50000	260160	480080		
12	10000	10000	60000	90200	350300	330060		
13	00000	20000	120000	161000	440000	1640030		
14	00000	00100	90000	140001	200000	3200 50		

1 4 10 2 30 4 209 54 449 72

	A	B	C	D	E	ALL
TOTAL	116·4 ± 38·47	1·8 ± 3·22				142·2 ± 57·80
I	1					
II	10					
III	99					
IV	209					
V	449					
VI	876					75·7 ± 30·74

A : C

64.66 : 1

3.68 : 1

V = $\bar{x}$ reg

V > $\bar{x}$ clumped

V < $\bar{x}$ rand...

	A	B	C	D+	O+	Tot
1	72	5	2	0	7	79
2	71	0	15	14	29	100
3	92	0	15	7	23	114
4	60	0	2	0	2	62
5	26	2	8	1	11	37
6	74	0	3	12	15	89
7	32	1	1	1	3	35
8	55	1	3	0	4	59
9	30	0	0	0	0	30
10	53	0	1	0	1	54
11	34	0	5	6	11	45
12	52	0	0	0	0	52
13	74	0	1	0	1	75
14	43	0	1	0	1	44

$\bar{x}$ 54.86 $\bar{x}$ 7.71 $\bar{x}$ 62.5

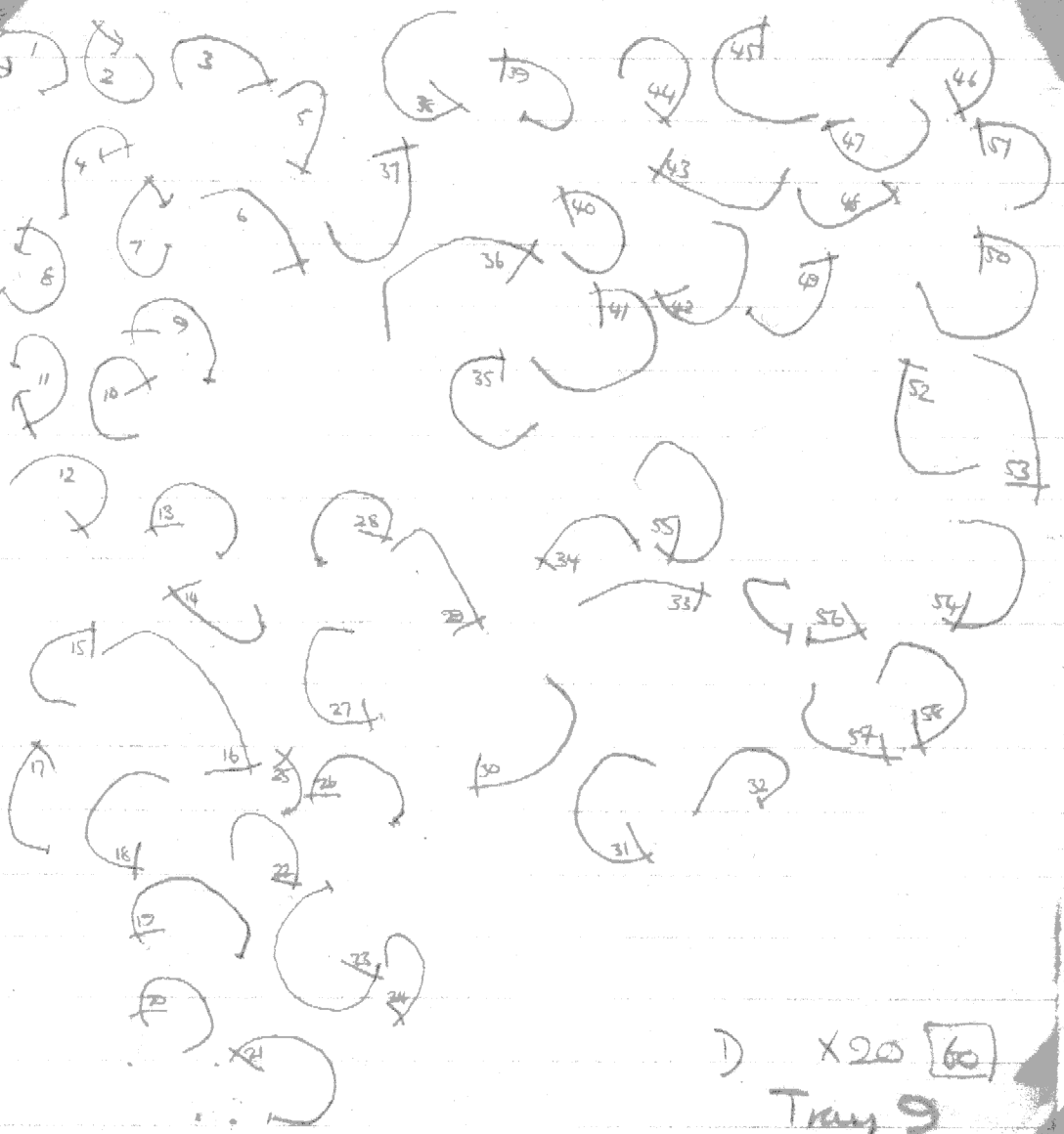
σ 20.10 σ 9.14 σ 25.56

1	1·2	·24
2	1·2	·26
3	1·08	·28
4	1·0	·23
5	·78	·18
6	1·0	·25
7	1·1	·23
8	1·1	·23
9	1·2	·26
10	1·2	·26
11	1·1	·31
12	1·25	·22
13	1·2	·26
14	·98	·28
15	1·0	·23
16	1·6	·39
17	·98	·23
18	1·28	·25
19	1·45	·23
20	1·2	·25
21	1·53	·29
22	1·05	·2
23	1·72	·31
24	1·0	·19
25	·55	·19
26	1·13	·23
27	1·28	·21
28	1·13	·23
29	1·07	·25
30	1·28	·28
31	1·5	·31
32	1·2	—
33	·9	·2
34	·96	·18
35	1·6	·36
37	1·38	·31
38	1·48	·32
39	1·13	·22
40	1·2	·28
41	1·7	·3
42	1·4	·27
43	1·18	·25
44	1·13	·22
45	1·45	·29
46	1·46	·3
47	1·2	·21
48	·9	·19
49	1·0	·26
50	1·8	·31
51	1·05	·24
52	1·2	·2
53	1·2	·29
54	1·43	·3
55	1·7	·32
56	1·21	·3
57	1·0	·2
58	1·45	·3
59		
60		

Total £76

·41 – ·6	1 15·1
·61 – ·8	1 [illegible]
·81 – 1·0	[illegible] 166·2
1·01 – 1·2	23 347·4
1·21 – 1·4	8 120·8
1·41 – 1·6	10 151
1·61 – 1·8	4 60·4

·25



1) X20 60

Tray 9

1	1.68	.39
2	[illegible]	.37
3	2.44	.42
4	1.9	.42
5	1.7	.39
6	1.7	.4
7	2.0	—
8	2.0	.37
9	2.0	.4
10	2.2	.42
11	2.2	.47
12	2.8	.48
13	2.1	.41
14	2.1	.39
15	1.5	.36
16	2.2	.42
17	2.8	.5
18	2.3	.4
19	2.7	.42
20	[illegible]	.38
21	2.2	.4
22	2.1	.39
23	2.1	.38
24	2.3	.4
25	1.7	.4
26	2.0	.4

1.41 – 1.6	1	17.[illegible]
1.61 – 1.8	7	[illegible]
1.81 – 2.0	5	86.4
2.01 – 2.2	10	172.7
2.21 – 2.4	2	34.5
2.41 – 2.6	1	17.3
2.61 – 2.8	3	51.8

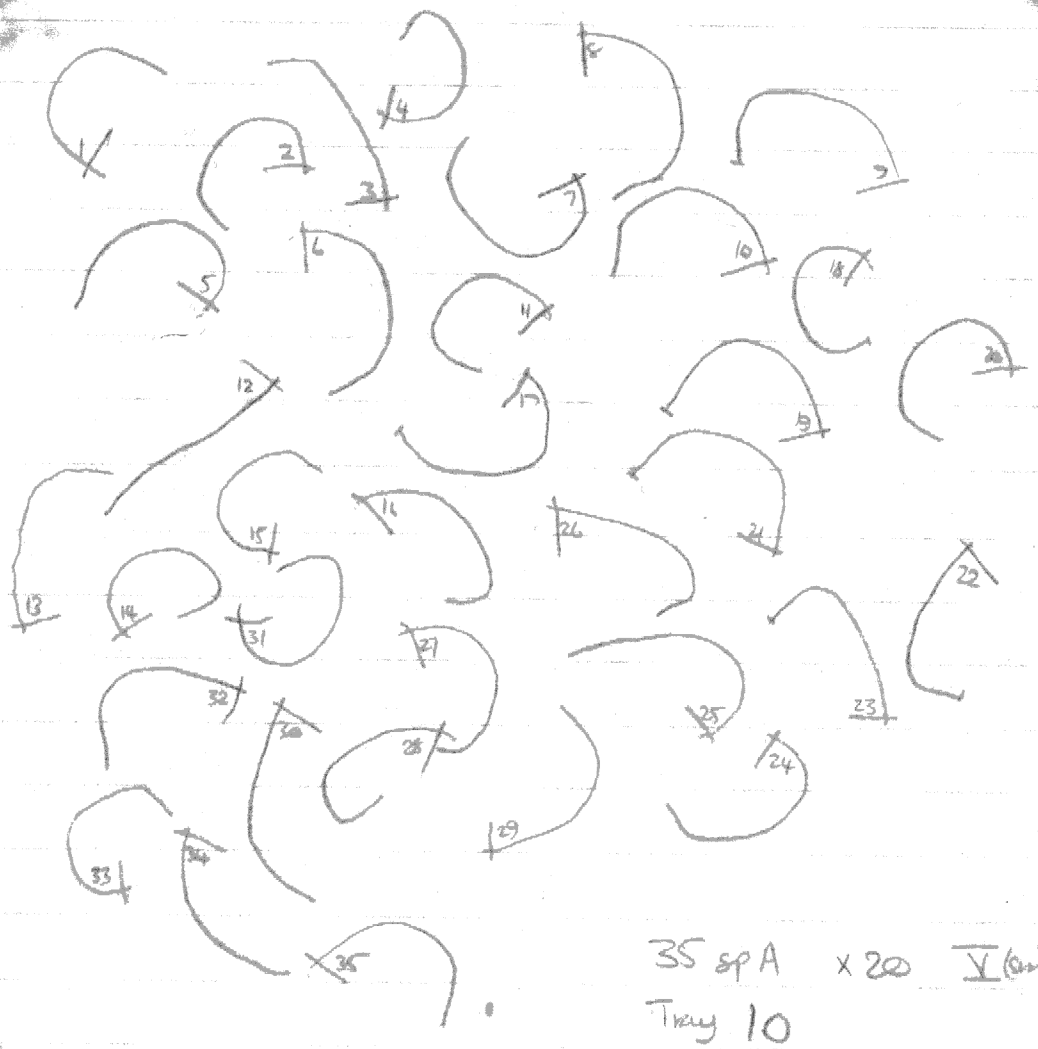
Tot 449

26 I x 2
Tray 5

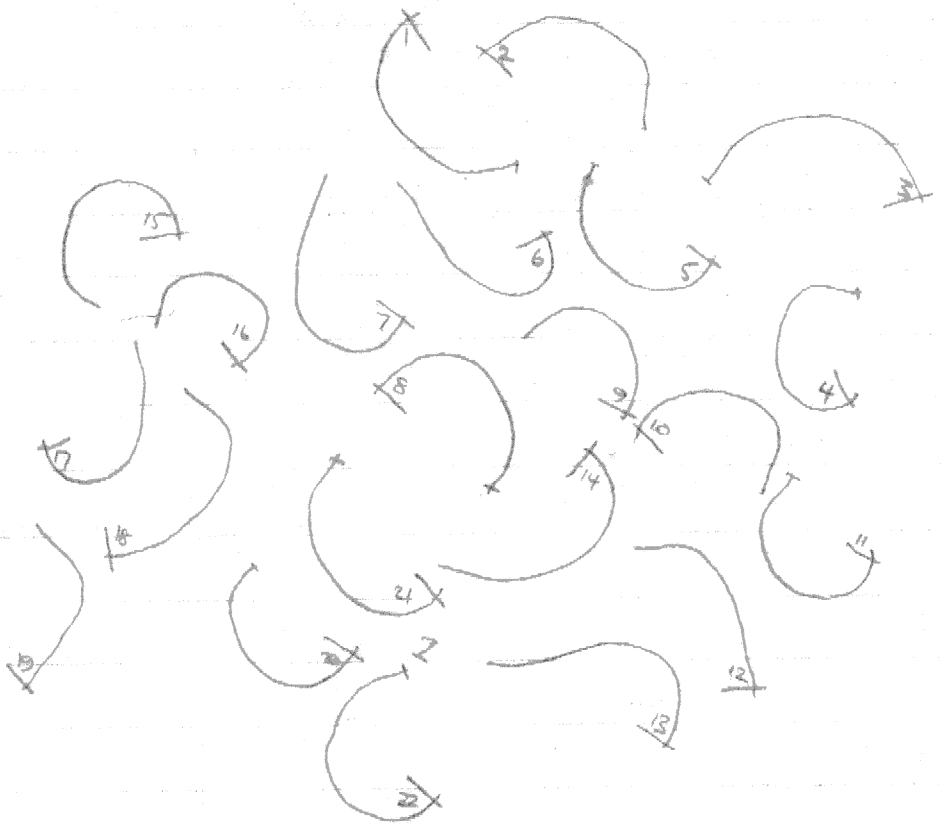
1	1.6	.37
2	1.6	.34
3	1.4	.34
4	1.5	.29
5	1.8	.32
6	1.6	.32
7	1.8	.33
8	1.8	.36
9	1.8	.36
10	1.7	.38
11	1.5	.3
12	1.5	.33
13	1.5	.33
14	1.7	.31
15	1.5	.29
16	1.6	.35
17	1.7	.3
18	1.5	.3
19	1.6	.34
20	1.7	.37
21	1.7	.32
22	1.4	.37
23	1.4	.32
24	1.6	.3
25	1.8	.3
26	1.6	.4
27	1.6	.32
28	1.8	.37
29	1.5	.26
30	1.6	.38
31	1.8	.3
32	1.6	.32
33	1.6	.3
34	1.4	.36
35	1.6	.32

1.21 - 1.4	4	29.4
1.41 - 1.6	19+1	147.2
1.61 - 1.8	12+4	117.8
1.81 - 2.0	5	36.5
2.01 - 2.2	10	73.6
2.21 - 2.4	2	14.7
2.41 - 2.6	1	7.4
2.61 - 2.8	3	22.1

Total 449



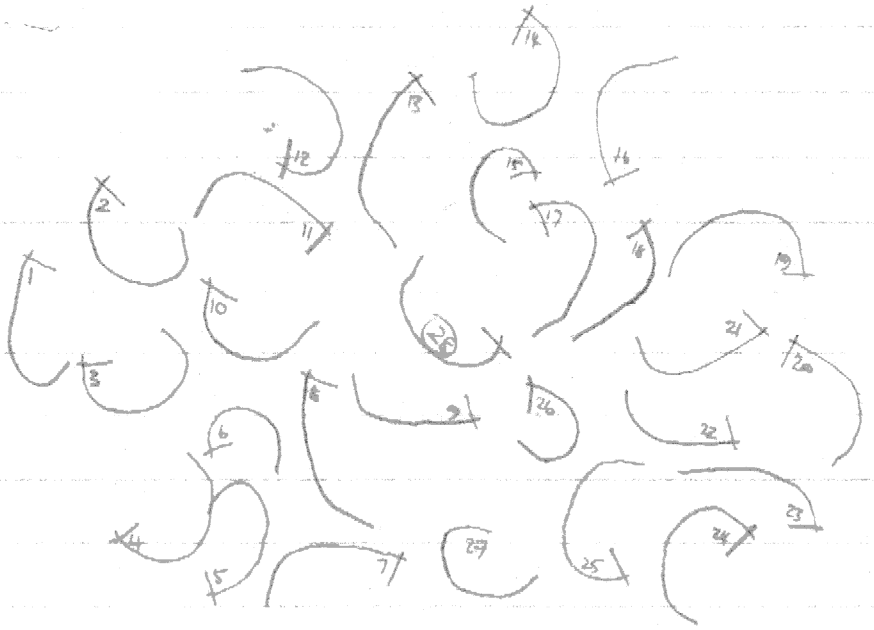
35 sp A x 20 V (0m)
Trey 10



22 IV spA X10
Tray 18

1	3.6	.64
2	3.6	.61
3	3.8	.66
4	3.4	.56
5	3.1	.56
6	3.4	.52
7	3.7	.6
8	3.5	.58
9	2.8	.56
10	3.3	.56
11	3.2	.5
12	3.0	.58
13	3.7	.59
14	3.7	.6
15	3.5	.64
16	3.5	.5
17	3.1	.44
18	3.4	.58
19	2.7	.52
20	3.1	.6
21	3.6	.59
22	3.7	.59

2.61 - 2.8	2
2.81 - 3.0	1
3.01 - 3.2	4
3.21 - 3.4	4
3.41 - 3.6	6
3.61 - 3.8	5



28 ~~27~~ IV spA x10
Thing 16

·18

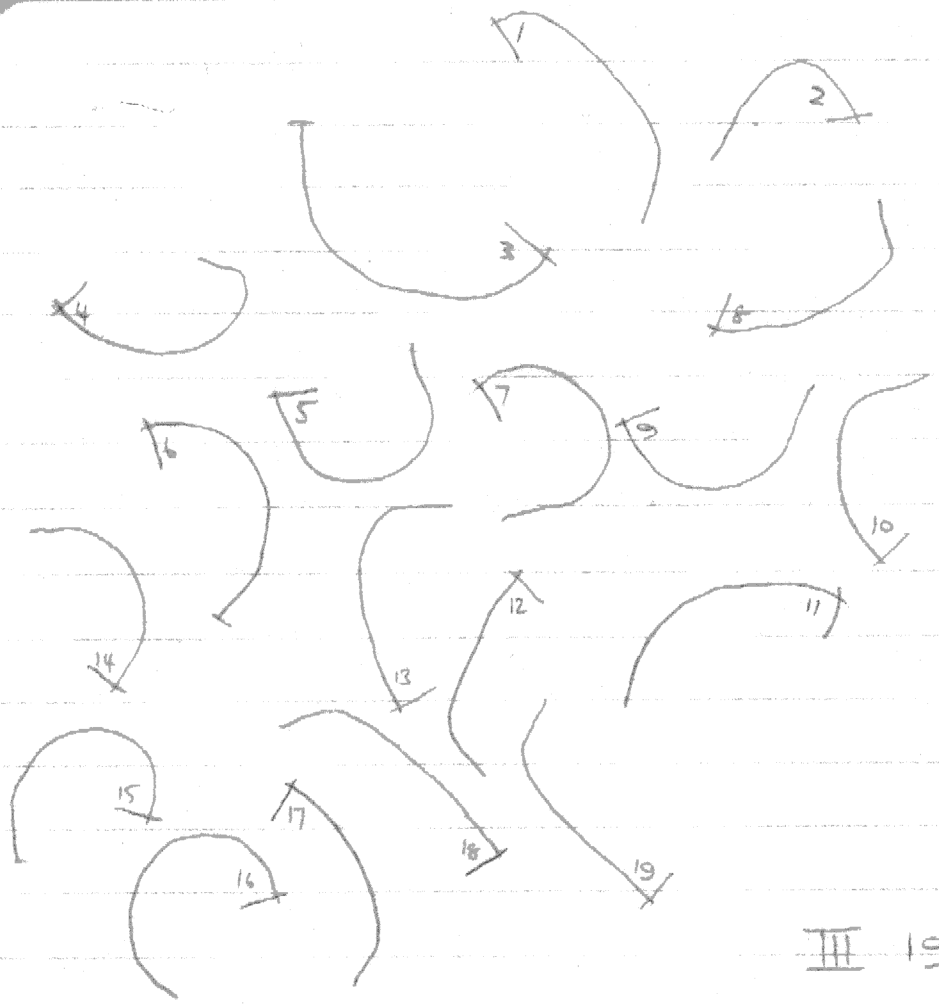
Table IV

1	2.6	·45
2	3.0	·52
3	2.8	·44
4	2.5	·42
5	2.7	·44
6	2.2	·4
7	2.4	·5
8	2.5	·52
9	2.2	·44
10	2.4	·58
11	2.4	·52
12	3.0	·56
13	2.8	·58
14	3.1	·59

15	2.4	·4
16	2.4	·51
17	2.8	·48
18	2.2	·4
19	2.8	·42
20	2.3	·46
21	2.1	·46
22	2.01	·44
23	2.3	·44
24	2.8	·58
25	2.9	·54
26	2.2	·46
27	2.6	—
28	2.6	·56

2.01 – 2.2	6	25.1
2.21 – 2.4	7	29.3
2.41 – 2.6	5	20.9
2.61 – 2.8	8	33.4
2.81 – 3.0	4	16.7
3.01 – 3.2	5	20.9
3.21 – 3.4	4	16.7
3.41 – 3.6	6	25.1
3.61 – 3.5	5	20.9

Tot = 209 ✓



III 19 x10

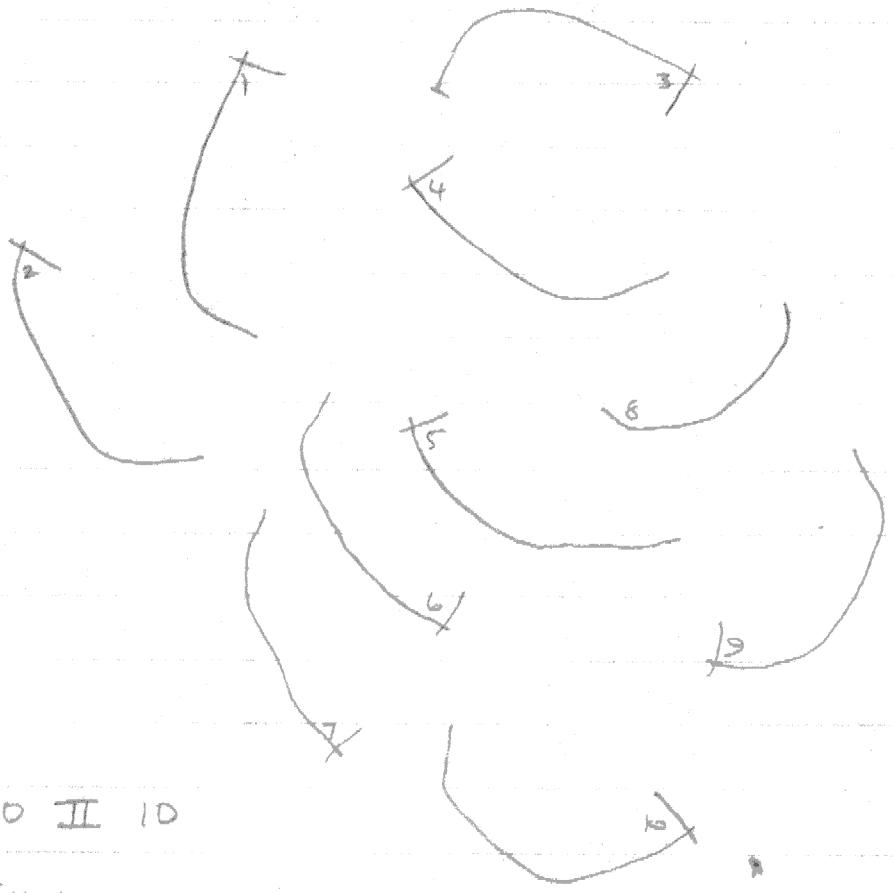
Tray 27 s

5.2105263

1	4.2	·66
2	3.0	·6
3	5.1	·86
4	4.0	·64
5	4.3	·66
6	4.0	·74
7	4.4	·66
8	3.6	·62
9	3.9	·62
10	3.5	·62
11	3.9	·68
12	3.2	·62
13	3.8	·66
14	3.4	·61
15	4.2	·63
16	4.4	·63
17	3.2	·63
18	3.8	·64
19	3.5	·64

2.81 – 3.0	1	5.2
3.01 – 3.2	2	10.4
3.21 – 3.4	1	5.2
3.41 – 3.6	3	15.6
3.61 – 3.8	2	10.4
3.81 – 4.0	4	20.8
4.01 – 4.2	2	10.4
4.21 – 4.4	3	15.6
4.41 – 4.6	0	
4.61 – 4.8	0	
4.81 – 5.0	0	
5.01 – 5.2	1	5.2

Tot III = 99



X10 II 10

Tmy

1	4.6	.8
2	4.5	.8
3	4.3	.8
4	4.2	.8
5	4.6	.72
6	4.1	.72
7	3.8	.66
8	3.6	—
9	4.6	.74
10	5.2	.86

3.41 - 3.6

3.61 - 3.8

3.81 - 4.0

Tot = 10

·85

SPA

SIZE FREQ DIST FEB

							%
·41 - ·6	15·1					15·1	·9
·61 - ·8	15·1					15·1	·9
·81 - 1·0	166·2					166·2	9·9
1·01 - 1·2	347·4					347·4	20·7
1·21 - 1·4	120·8 + 29·4					150·2	9·0
1·41 - 1·6	151 + 147·2					298·2	17·8
1·61 - 1·8	60·4 + 117·8					178·2	10·6
1·81 - 2·0		36·8				36·8	2·2
2·01 - 2·2		73·6 + 25·1				98·7	5·9
2·21 - 2·4		14·7	29·3			44	2·6
2·41 - 2·6		7·4	20·9			28·3	1·7
2·61 - 2·8		22·1	33·4			55·5	3·3
2·81 - 3·0			16·7 + 5·2			21·9	1·3
3·01 - 3·2			20·9	10·4		31·3	1·9
3·21 - 3·4			16·7	5·2		21·9	1·3
3·41 - 3·6			20·9	15·6	I	36·6	2·2
3·61 - 3·8			16·7	10·4	I	27·2	1·6
3·81 - 4·0			25·1	20·8		45·9	2·7
4·01 - 4·2			20·9	10·4	II	31·5	1·9
4·21 - 4·4				15·6	I	16·6	1·0
4·41 - 4·6				0	IIII	4	·2
4·61 - 4·8				0		0	0
4·81 - 5·0				0		0	0
5·01 - 5·2				5·2	I	6·2	·4
						1676·8	

TRAY 5

					DIFF	WT/ITEM	X Lth mm		
No	T. Wt	Contents	Dwt 1	Dwt 2	Dwt 3	ash wt	Ash F. Wt	%
1	13.091	13 AMA Q11 <.5mm	13.184	0.093	0.0072	1.1		
2	13.566	20 AMD Q11 <.5mm	13.659	0.093	0.0047	.79		
3	13.389	12ama Q11 .5mm	13.542	0.203	0.0169	1.48		.001
4	13.224	8ama Q10 1.0mm	14.352	0.128	0.016	1.8		
5	13.450	41ama Q9 .5mm	13.977	0.527	0.0129	1.59		.001
6	13.034	12ama Q9 .71mm	13.690	0.656	0.0547	2.66		.001
7	13.439	18ama Q9 <.5mm	13.521	0.082	0.0046	1.02		.001
8	13.425	4ama Q9 1.4mm	14.130	0.705	0.1763	3.96		
9	13.303	9ama Q9 1.0 mm	14.137	0.834	0.0927	3.17		.001
X 10	12.964	10ama 1.0	14.458	1.494	0.1494	3.97		.0015
(11)	13.956	13amb	14.462	0.506	0.0389	2.26		
X 12	13.489	10ama	14.079	0.59	0.059	2.67		.0015
X 13	12.875	10ama	13.406	0.531	0.0531	2.63		
X 14	13.715	10 ama 1.4	15.568	1.853	0.1853	4.15		.0015
X 15	13.486	10 ama 1.0	14.560	1.074	0.1074	3.41		.0015
X 16	13.956	10 ama	16.375	2.419	0.2419	4.22		
X 17	13.657	10 ama 1.4	15.762	2.105	0.2105	4.19		.0015
(18)	13.510	13amb	14.416	0.906	0.0696	2.78		
X 19	13.272	10 ama 1.0	14.568	1.296	0.1296	3.67		
X 20	13.532	11 amb 1.0	14.332	0.8	0.0727	2.88		
R7	7.799	25 HA	8.048	0.249	0.00996			
R5	8.270	25 HA	8.316	0.046	0.00184			
R6	8.440	25 HA	8.528	0.088	0.00352			

1.2
1 2

LENGTH - WEIGHT RELATIONSHIPS (amphipods)

	av Length (mm)	n	D. WT (gm^{-3})
21 Feb	4.43	3	0.278
	4.05	5	0.245
	3.16	4	0.118
	3.39	5	0.123
	2.79	7	0.061
	2.91	8	0.045
	2.28	20	0.029
	1.71	24	0.012
	4.074	15	0.296
	3.301	20	0.142
	2.593	20	0.037
	1.737	20	0.019
	1.1	13	0.0072
	.79	20	0.0047
	1.48	12	0.0169
	1.8	8	0.016
	1.59	41	0.0129
	2.66	12	0.0547
	1.02	18	0.0046
	3.96	4	0.1763
	3.17	9	0.0927
	3.97	10	0.1494
	2.26	13 amb	0.0389
	2.67	10	0.059
	2.63	10	0.0531
	4.15	10	0.1853
	3.14	10	0.1074
	4.22	10	0.2419
	4.19	10	0.2105
	2.78	13 amb	0.0696

and

HARPACTICOIDS

25	0.0099 / HA
25	0.0018
25	0.0035
	.0029
	.0011
	.0006
	.0009
	.0024
	.0014
	.0012
	.0018
	.0017
	.0011
	.0012

$\bar{x} = .0017$

$\sigma = 0.0008$

REGR. $WT = 0.0038\,LT^{2.786}$ mg

$r = 0.98$

$10^{-3} \times 10^{-2} = 10^{-5}$

193.6 σ 163.19 [A+B+C+D+F+G]

av amplts $\bar{x}$ 188.8 σ 164.9

av Hap √1607.2 √σ 959.0269

av Ls √137.3 √σ 156.78

av cu 90.4 σ 115.06

1670

994 67

977