

AV. NO. <sup>8 WT</sup> FOOD ITEMS BY SIZE CLASS APRIL 83

Av No prey/fish

PER FISH

Total <sup>X10</sup>  
Av. wt (mg) / fish

AV WT HA = C  
IS = C  
NM = C  
CO = C

FS	N	HA	CO	AM	NM	IS	HA	CO	AM	NM	IS
9	10	17.8 2.228	0.4	0.3 0.149	0.5	0.3	30.26	1.2 1.48	2.88	0.95 1.14	1.35 1.52
		11.80	0.70	0.67	0.85	0.48	20.06	2.1	8.32	1.62	2.16
12	13	46.23 2.16	1.77	1.15 0.29	8.23	0.54	78.99	5.31 6.92	2.15	15.64 13.08	2.43 2.1
		30.61	3.85	1.77	11.49	0.78	52.04	11.55	3.31	21.83	3.51
15	11	54.09 2.201	3.18	2.27 0.46	10.55	4.18	91.95	9.54 13.58	25.43	20.05 11.78	18.81 31.65
		41.95	6.82	2.28	9.34	10.60	71.32	20.46	37.35	17.75	47.7
18	10	16.80 2.228	0.8	1.8 0.50	2.1	0.2	28.56	2.4 2.41	20.71	3.99	0.9
		16.57	1.14	2.25	4.01	0.42	28.17	3.42	36.77	7.62	1.89
21	10	15.30 2.228	1.0	3.00 0.64	0.7	0.8	26.01	3.0 3.99	128.75	1.33	3.6
		12.68	1.89	2.87	1.34	1.23	21.56	5.67	184.33	2.55	5.54
24	21	5.67 2.080	1.33	2.29 0.2	0.29	0.57	9.64	3.99 4.39	133.49	0.55	2.565
		6.19	3.23	2.00	1.10	0.81	10.52	9.69	164.41	2.09	3.65
27	12	4.00 2.179	0.25	2.33 0.45	0.0	0.33	6.80	0.75 1.17	227.42	0.0	1.48
		5.44	0.62	2.50	0.0	0.49	9.25	1.86	232.46	0.0	2.21
30	11	2.36 2.201	2.55	1.45 0.24	0.18	0.72	4.01	7.65 8.40	47.51	0.34	3.24
		3.01	4.22	1.21	0.60	1.49	5.12	12.66	75.59	1.14	6.70

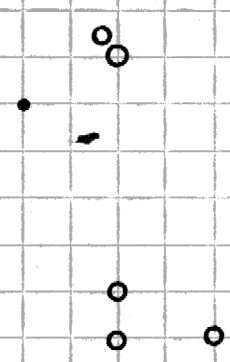
Size frequency of prey Apr 83 - harpacticoids, copepods, amphipods, isopods  
 expressed as a % using total numbers in each gr.

FSH	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
9	62.75	31.98	4.07	0.58																					
12	55.34	39.97	3.56	0.81	0.16																				
15	9.94	33.71	6.37	0.99	0.57	0.42	0.28	0.28	0	0	0.14	0.28													
18	45.17	41.12	5.58	3.55	1.52	0.58	0	1.02	0.51	0	0.51	0.51	0.51												
21	49.04	31.25	5.77	3.85	1.92	1.44	0.48	1.44	0	0.96	0.96	0.48	0.48	0.96	0.96	0.48	0.48	0	0	0	0.48	0.48			
24	29.51	33.48	17.43	3.87	1.38	1.38	0.92	0.48	0.92	0	1.38	1.38	0	1.38	1.88	1.88	0	0	0.48	0.48	0.92	0.48			
27	40.24	21.95	6.09	3.46	1.22	1.22	2.44	2.44	2.44	3.66	0	0	1.22	2.44	0	0	0	1.22	1.22	2.44	1.22	2.44			
39	6.13	22.56	24.19	12.9	1.61	9.66	1.61	1.61	1.61	3.22	3.22	1.61	0	3.22	0	0	0	0	0	0	0	1.61	0		

Prey-size distribution in guts Apr 83 of harpacticoids, copepods, amphipods and isopods.

Total numbers in each size group

		PREY SIZE																										
		3 .5 .7 .9 1.1 1.3 1.5 1.7 1.9 2.1 2.3 2.5 2.7 2.9 3.1 3.3 3.5 3.7 3.9 4.1 4.3 4.5 4.7 4.9 5.1																										
b	$\bar{x}$	n	FISH SIZE																									
0.13	0.39	172	9 <sup>10</sup>	108	55	7	1	1																			49	5.1
0.13	0.40	618	12 <sup>13</sup>	342	247	22	5	1																				
0.22	0.42	706	15 <sup>11</sup>	402	238	85	7	4	3	2	2	0	0	1	2													
0.31	0.49	197	18 <sup>10</sup>	69	61	11	7	3	1	0	2	1	0	1	1													
0.66	0.60	208	21 <sup>10</sup>	102	55	12	8	4	3	1	3	0	0	2	0	1	1	2	0	2	0	0	1	1				
0.93	0.81	218	24 <sup>21</sup>	65	33	38	6	3	3	2	1	2	0	3	3	0	1	4	0	1	0	1	2	2	1			
1.33	1.14	82	27 <sup>12</sup>	33	18	5	3	1	1	1	2	2	3	0	0	1	2	1	0	0	1	2	1	1	2			
0.72	0.90	62	30 <sup>11</sup>	10	14	15	6	1	6	1	0	2	1	2	0	0	1	0	0	0	0	0	0	1				



Selectivity using 1) Strauss Index of Selectivity (L).  
 of am, co, ha, is 2) Chassen " " " (α)

of fish collected apr 22-26

SIZE F P	.6	1.4	2.2	3.0	3.8	4.6
	0.3-0.99	1.0-1.7	1.8-2.5	2.6-3.3	3.4-4.1	4.2-4.99
PREY	91.32	6.57	0.85	0.65	0.4	0.21
%	98.91	1.09	0	0	0	0
9 L	+7.59	-5.48	-0.85	-0.65	-0.4	-0.21
	0.867	0.133	0	0	0	0
%	99.68	0.32	0	0	0	0
12 L	+8.36	-6.25	-0.85	-0.65	-0.4	-0.21
	0.957	0.043	0	0	0	0
%	97.62	1.79	0.44	0.15	0	0
15 L	+6.3	-4.78	-0.41	-0.5	-0.4	-0.21
	0.511	0.130	0.248	0.110	0	0
%	93.62	4.79	1.06	0.53	0	0
18 L	+2.3	-1.78	+0.21	-0.12	-0.4	-0.21
	0.269	0.191	0.327	0.214	0	0
%	89.76	4.88	0.98	1.95	0.98	1.46
21 L	-1.56	-1.69	+0.13	+1.3	+0.58	+1.25
	0.064	0.049	0.075	0.196	0.160	0.455
%	82.28	5.42	3.72	4.29	1.02	3.27
24 L	-9.04	-1.15	+2.87	+3.64	+0.62	+3.06
	0.029	0.027	0.142	0.214	0.083	0.505
%	69.90	4.78	10.85	3.62	3.62	7.24
27 L	-21.42	-1.79	+10.0	+2.97	+3.22	+7.03
	0.012	0.012	0.197	0.088	0.143	0.547
%	74.01	14.10	7.93	1.98	0	1.98
30 L	-17.31	+7.53	+6.54	+1.33	-0.4	+1.77
	0.034	0.089	0.360	0.126	0	0.391

Calculation of  $r_i n_i^{-1}$  for chosen  $\alpha$ .

	1	2	3	4	5	6	$\Sigma$
9	1.083	0.166	0	0	0	0	1.249
12	1.092	0.049	0	0	0	0	1.141
15	1.063	0.272	0.518	0.231	0	0	2.09
18	1.025	0.729	1.247	0.815	0	0	3.816
21	0.983	0.743	1.153	3.0	2.45	6.95	15.279
24	0.901	0.825	4.376	6.6	2.55	15.57	30.822
27	0.765	0.728	12.447	5.569	9.05	34.476	63.035
30	0.810	2.146	8.694	3.046	0	9.429	24.125

1666

FISH SIZE 0.3-0.99 1.0-1.79 1.8-2.59 2.6-3.39 3.4-4.19 4.2-4.99

9

113	8	13	0	0	0	0	0
116	8	11	0	0	0	0	0
153	8	29	0	0	0	0	0
112	9	27	0	0	0	0	0
115	9	5	0	0	0	0	0
117	9	20	0	0	0	0	0
120	9	43	0	0	0	0	0
159	9	18	0	0	0	0	0
157	10	13	2	0	0	0	0
158	10	3	0	0	0	0	0

TOTAL

 $\bar{x}$ 

10		182	2	0	0	0	0
		18.2	0.2	0	0	0	0

12

114	11	76	0	0	0	0	0
118	11	110	0	0	0	0	0
151	11	16	0	0	0	0	0
155	11	8	1	0	0	0	0
156	11	45	0	0	0	0	0
111	12	42	0	0	0	0	0
119	12	22	0	0	0	0	0
150	12	76	0	0	0	0	0
152	12	13	0	0	0	0	0
154	12	70	1	0	0	0	0
162	13	18	0	0	0	0	0
163	13	72	0	0	0	0	0
168	13	43	0	0	0	0	0

 $\Sigma$  $\bar{x}$ 

13		611	2	0	0	0	0
		47	0.15	0	0	0	0

15

128	14	70	2	0	0	0	0
162b	14	29	0	0	0	0	0
166	14	93	1	0	0	0	0
110	15	45	0	0	0	0	0
121	15	10	0	0	0	0	0
121	16	28	2	1	1	0	0
122	16	106	1	0	0	0	0
124	16	148	2	1	0	0	0
126	16	15	3	1	0	0	0
129	16	28	0	0	0	0	0
160	16	82	1	0	0	0	0

 $\Sigma$ 

11		654	12	3	1	0	0
		59.45	1.09	0.27	0.09	0	0

FISH SIZE 03-0.99 1.0-1.99 1.6-2.99 2.6-3.99 3.4-4.19 4.2-4.99

18

123	17	4	1	0	0	0	0
125	17	43	0	0	0	0	0
161	17	28	0	0	0	0	0
164	18	13	0	2	1	0	0
165	18	35	0	0	0	0	0
167	18	34	2	0	0	0	0
173	18	14	0	0	0	0	0
134	19	2	4	0	0	0	0
155	19	3	2	0	0	0	0
* 171	19	0	0	0	0	0	*
Tot	10	176	9	2	1	0	0
		<del>176</del> 17.6	0.9	0.2	0.1	0	0

21

130	20	42	1	0	0	0	0
172	20	11	1	0	0	0	0
178	20	43	1	0	0	0	0
179	20	25	0	0	0	0	0
131	21	2	0	0	0	0	0
132	21	10	0	0	1	0	0
207	21	7	1	0	1	2	0
136	22	21	4	2	0	0	0
174	22	7	1	0	2	0	1
176	22	16	1	0	0	0	2
Σ	10	184	10	2	4	2	3
		18.4	1.0	0.2	0.4	0.2	0.3

27

* 143	26	0	0	0	0	0	*
185	26	3	0	6	0	0	1
157	26	4	0	0	0	1	2
145	27	6	3	1	1	0	3
149	27	15	1	2	1	0	4
184	27	15	0	0	2	0	5
146	27	0	0	0	0	0	6
* 156	27	0	0	0	0	0	*
183	28	2	0	0	0	1	7
191	28	1	0	0	0	0	8
200	28	11	0	0	0	0	9
208	28	1	0	0	0	1	10
Σ	12	58	4	9	3	3	6
		4.83	0.33	0.75	0.25	0.25	0.5



24

{

Σ

{

Σ

FISH SIZE		0-3	0-99	1-8	1-8-2-99	2-6-3-99	3-4-4-99	4-2-4-99
133	23	11	0	0	0	0	0	0
137	23	14	1	0	0	0	0	0
171	23	9	1	0	0	0	0	0
135	24	1	0	0	0	0	0	0
138	24	1	0	0	0	0	0	1
* 163	24	0	0	0	0	0	0	0 *
175	24	18	1	0	0	0	0	0
* 160	24	0	0	0	0	0	0	0 *
194	24	1	0	3	1	0	0	0
159	24	4	0	0	0	0	0	1
203	24	8	0	1	3	0	0	0
204	24	0	1	1	1	0	0	0
140	25	1	3	2	3	0	0	0
146	25	23	1	0	0	1	0	0
170	25	4	0	0	0	0	0	0
182	25	10	0	0	0	0	0	0
157	25	12	0	0	0	0	0	0
189	25	3	0	0	0	1	2	0
193	25	3	0	0	0	0	1	0
198	25	12	2	0	0	0	1	0
201	25	18	0	0	0	0	0	0
Σ	21	153	10	7	8	2	6	
		7.29	0.48	0.33	0.38	0.09	0.29	
* 148	29	6	0	0	0	0	0	0
* 181	29	0	0	0	0	0	0	0 *
195	29	9	0	1	0	0	0	0
206	29	0	1	1	0	0	0	0
141	30	0	2	0	1	0	0	0
188	30	3	0	0	0	0	0	0
190	30	6	3	0	0	0	0	0
202	30	3	0	0	0	0	1	0
205	30	7	0	0	0	0	0	0
142	31	2	1	1	0	0	0	0
147	31	1	0	1	0	0	0	0
Σ	11	37	7	4	1	0	1	
		3.36	0.64	0.36	0.09	0	0.09	



K/S test.  $H_0 = \text{obs freq. not sig diff from pieg freq.}$

9 mm

	1	2	3	4	5	6	n
$f_i$	182	2	0	0	0	0	184
rel $f_i$	.9891	.0109	0	0	0	0	
rel $F_i$	.9822	.657	.85	.65	.4	.21	
Cum $r f_i$	.9891	100	100	100	100	100	
Cum $r F_i$	.9132	.9789	.9874	.9939	.9979	100	
$ d_i $	.0759	.211	.126	.061	.021	0	
	.0759	.021					

$$D_{0.05} = \sqrt{\frac{\ln \frac{1}{\alpha}}{2n}}$$

$$D = 7.59 \quad (\text{rel freq.} = 0.0759)$$

$$D_{\text{crit}} = 0.090$$

∴ ~~reject~~ <sup>accept</sup>  $H_0$  — ~~highly significant.~~

12 mm

	1	2	3	4	5	6	n
$f_i$	.9968	.0032	0	0	0	0	613
$F_i$	.9132	.0657	.0085	.0065	.004	.0021	
<del>rel <math>f_i</math></del>	<del>.0032</del>	<del>.0025</del>					
C $f_i$	.9968	1	1	1	1	1	
C $F_i$	.9132	.9789	.9874	.9939	.9979	100	
$ d_i $	.0836	.0211	.0126				

$$D = \text{~~0.0836~~} \cdot 0.0836$$

$$0.049$$

$$D_{\alpha} = 0.002$$

∴ reject  $H_0$

18 mm

	1	2	3	4	5	6	n
$P_i$	.936	.979	.991	.995	0	0	188
$cu F_i$	.936	.984	.995	1	1	1	
$cu F_i$	.913	.979	.987	.994	.998	1	
$ d $	.023	.005	.005	.006	.002	0	

$$D = .023$$

$$D_\alpha = .089 \checkmark$$

∴ ~~reject~~ accept  $H_0$

15 mm

	1	2	3	4	5	6	n
$P_i$	.9762	.979	.999	.999	.999	0	670
$cu P_i$	.9762	.9941	.9985	1	1	1	
$cu F_i$	.913	.979	.987	.994	.998	1	
$ d $	.063	.015	.011	.006	.002		

$$D = 0.063$$

∴ reject  $H_0$ .

$$D_\alpha = 0.047$$

21mm

	1	2	3	4	5	6	n
$D_i$	.898	.949	.960	.919	.91	.914	205
Cu R	.898	.947	.957	.976	.986	1	
Cu Ti	.913	.979	.987	.994	.998	1	
$ d $	.015	.032	.03	.018	.012		

$$D = .032$$

∴ accept  $H_0$

$$D_\alpha = 0.085$$

30mm

	1	2	3	4	5	6	n
$D_i$	.740	.141	.019	.020	0	.02	50
Cu Ti	.740	.881	.96	.98	.98	1	
Cu F	.913	.979	.987	.994	.998	1	
$ d $	.203	.098	.027	.014	.018		

$$D = .203$$

∴ reject  $H_0$

$$D_\alpha = .188$$

24 mm

	1	2	3	4	5	6	n
$f_i$	.823	.054	.037	.043	.010	.033	166
$F_i$	.9132	.0657	---	---	---	---	
cu $f_i$	.823	.877	.914	.957	.967	1	
cu $F_i$	.913	.979	.987	.994	.998	1	
(d.i)	.09	.102	.073	.037	.031	0	

$$D = .102$$

$$D_\alpha = \frac{.008}{.089}$$

reject.  
 $\therefore$  ~~accept~~  $H_0$ .

27 mm

	1	2	3	4	5	6	n
$f_i$	.699	<del>.048</del> .438	.108	.036	.036	.072	83
cu $f_i$	.699	.747	.855	.891	.927	1	
cu $F$	.913	.979	.987	.994	.998	1	
d	.214	.232	.132	.103	.071		

$$D = 0.232$$

$$D_\alpha = \frac{0.146}{.382}$$

~~accept~~  
 $\therefore$  ~~reject~~  $H_0$ .  
reject.

# Individual weight of amphipods eaten.

	9	12	15	18	21	24	27	30
	1.58	4.96	1.97	16.66	5.74	1.58	32.05	2.26
9	0.79	1.97	1.83	0.55	7.39	5.61	32.05	30.83
				26.21	0.83	1.58	19.54	3.59
10	12.88	0.24	0.44	38.69	0.55	12.65	19.54	36.39
	13.59	0.61	1.41	54.44	0.92	0.92	19.54	7.39
		0.55	0.72	3.8	2.34	7.89	193.64	61.10
		9.70	7.07	4.35	0.26	88.86	336.6	6.31
		2.49	1.14	2.58	0.36	43.56	271.70	8.23
		13.00	2.04	3.8	0.52	47.72	84.93	3.8
		0.44	0.92	4.95	0.30	41.07	9.70	8.76
		0.79	0.83	5.34	0.19	221.12	14.07	12.88
		0.61	4.38	7.23	1.19	97.08	14.82	258.82
		1.58	3.8	2.26	0.41	110.3	19.54	2.80
		0.29	3.29	0.92	0.46	101.36	66.92	22.72
		1.77	3.01	6.31	7.89	25.85	23.73	7.58
		0.92	2.04	3.29	0.36	75.94	2.26	25.48
				1.41	2.83	11.33	3.8	
			54.43	18.94	3.70	26.21	76.66	
			37.76		91.28	37.08	73.79	
			18.36		3.01	46.13	75.94	
			8.23		16.66	36.39	207.08	
			3.59		3.49	84.95	332.86	
			5.21		3.29	54.44	221.12	
			19.54		2.42	13.59	167.26	
			5.21		124.61	4.71		
			6.31		81.1	3.01		
			48.8		130.65	0.79		
			6.61		42.55	3.2		
			11.76		19.54	2.04		
			5.88		7.89	3.10		
			13.12		3.8	1.14		
					1.41	1.00		
					0.72	250.98		
					63.69	221.12		
					96.24	114.94		
					1.41	291.78		
					4.71	267.09		
					225.44	3.8		
					265.60	2.83		
					15.33	16.66		
					38.69	0.61		
n	4	15	29	18	44	46	26	16
$\bar{x}$	7.21	1.86	9.65	11.21	29.27	57.68	91.44	32.41
s	6.97	2.48	14.0	14.84	58.66	75.98	104.48	63.61



FS	n	$\bar{X}$ AMPS	$\sigma$	95%	t
9	4	1.11	0.53	<del>0.19</del> 0.19	2.776
12	15	0.68	0.27	0.15	2.131
15	29	1.17	0.56	0.21	2.045
18	18	1.25	0.59	0.29	2.101
21	44	1.41	1.13	0.34	2.015
24	46	2.09	1.26	0.37	2.013
27	26	2.68	1.24	0.50	2.056
30	16	1.715	0.95	0.50	2.12

Av. amph size eaten.



Mean		
Total wt	HA	275.82
	CO	33.75
	AM	588.34
	NM	42.85
	IS	34.37
		<hr/>
	TOT	<u>975.13</u>

239.

→ 0.03

	T. WT	am	ha	nm	is	co
9 -	36.64.	7.86	82.59	2.59	3.68	3.27
12	104.12	2.06	75.48	15.02	2.33	5.1
15	165.78	15.34	85.46	12.09	11.35	5.75
18	56.56	36.62	80.49	7.05	1.59	4.24
21	162.69	79.14	15.99	0.81	2.21	1.84
24	150.23	88.86	6.42	.37	1.70	2.66
27	236.45	96.18	2.87	0	.63	.32
30	62.75	75.71	6.39	.54	5.16	12.19

% composition across feed items

LETTER BOX

PUT LETTER IN

$\sqrt{(1+x)}$



$\cdot 34$   
 $1$   
 $1.15$   
 $1.5$   
 $10 = 3$   
 $20$   
 $4$   
 $30$   
 $100$   
 $200$   
 $5$   
 $10.0$   
 $14$   
 $1.4$   
 $1.15$   
 $1.4$   
 $1.4$   
 $1.4$

Analysis of variance of total wt amphipods per fish in 8 size groups.

Size class	9	12	15	18	21	24	27	30
	2.37	4.95	11.94	17.22	5.34	1.58	186.25	2.26
	26.47	2.20	14.58	119.33	8.23	7.19	193.64	95.66
	0	0.61	2.04	26.17	15.38	13.57	762.66	32.77
	0	10.25	6.31	30.87	0.36	221.12	116.26	25.48
	0	6.925	118.79	8.15	99.82	334.59	149.74	34.42
	0	2.98	8.80	0	362.24	113.48	250.98	25.45
	0	2.16	31.07	0	87.09	255.67	141.14	47.78
	0	0	73.06	0	115.99	7.89	539.95	258.82
	0	0	13.12	0	543.67	221.22	388.38	0
	0	0	0	0	0	343.98	0	0
		0	0			158.93	0	0
		0				7.00	0	
		0				7.29		
		0				567.04		
						291.78		
						230.39		
						0.61		
						2.08		
						0000		

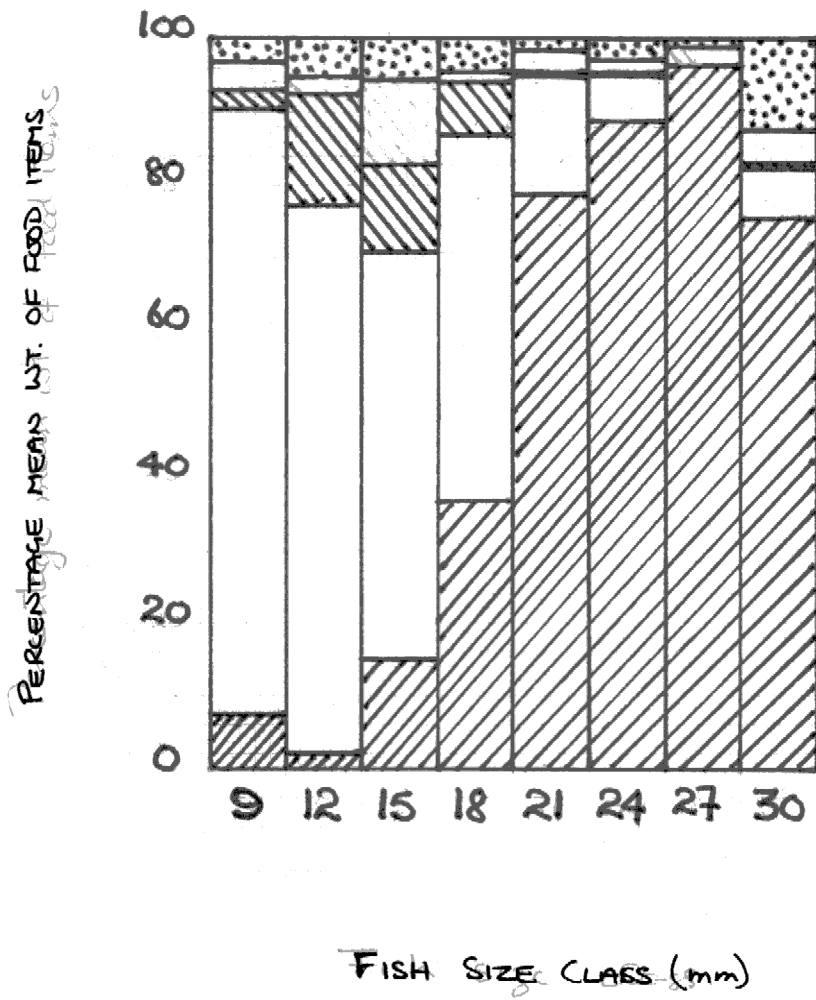
$n_i$	10	13	11	10	10	21	12	11
$\sum_{j=1}^{n_i} x_{ij}$	<del>83.79</del> 26.47 28.84	30.07	279.71	201.74	1287.52	2805.41	2729.0	522.64
$\bar{x}_i$	2.88	2.15	25.43	20.17	128.75	133.49	227.42	47.51
$\frac{(\sum x_{ij})^2}{n}$	83.17	69.55	7112.5	4069.9	165165.6	374777.4	620620.1	24832.1

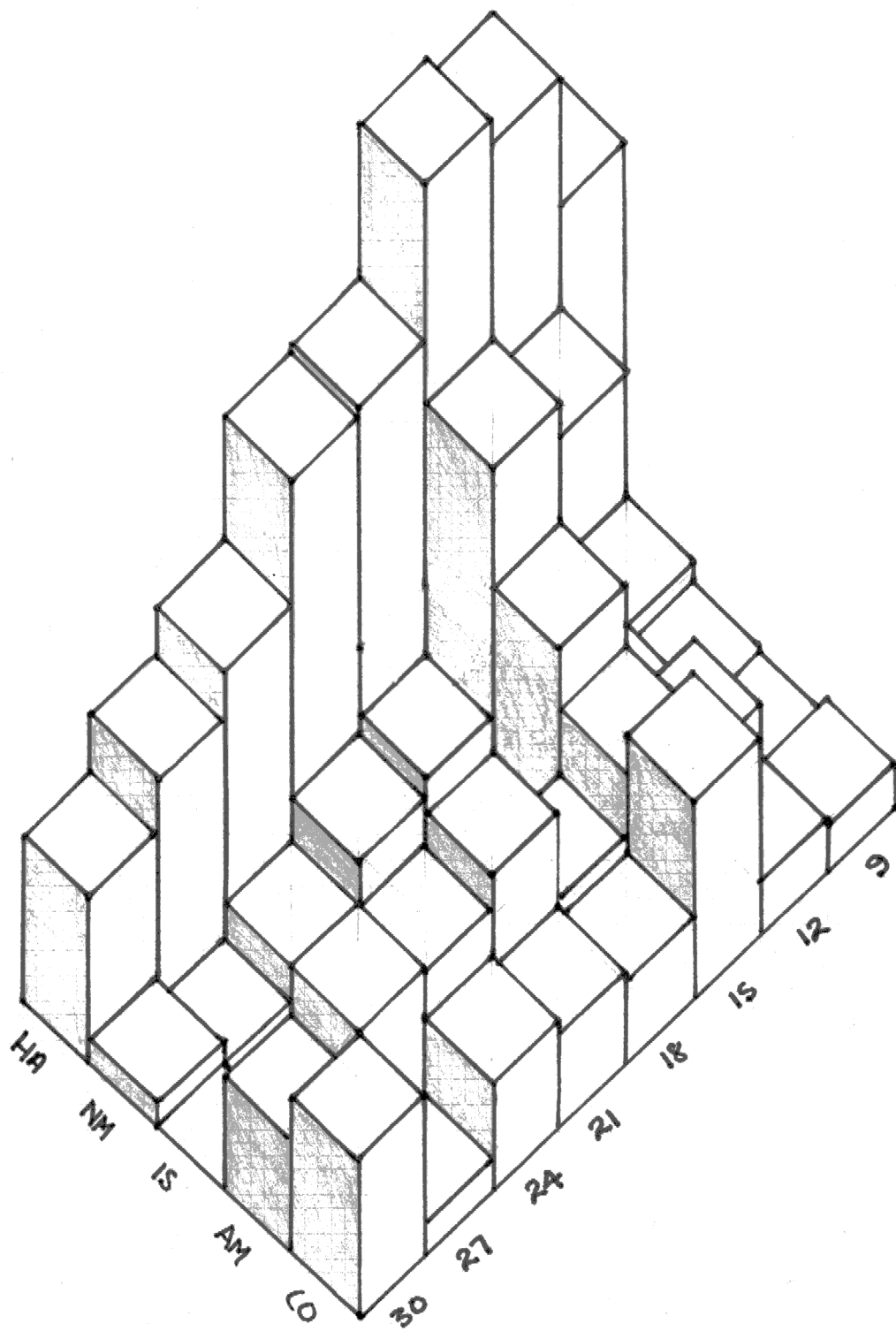
$$\sum \sum x_{ij} = 7885.93$$

$$\sum \sum x_{ij}^2 = 2721684$$

$$\sum \frac{(\sum x_{ij})^2}{n} = 1417330.3$$

\* percentages calculated  
within each size class





8 - ~~113~~, ~~116~~, ~~118~~

9 - ~~112~~, ~~115~~, ~~117~~, ~~120~~, ~~119~~

10 - ~~117~~, ~~118~~,

11 - ~~114~~, ~~118~~, ~~121~~, ~~115~~, ~~116~~

12 - ~~111~~, ~~119~~, ~~120~~, ~~112~~, ~~114~~

13 - ~~112~~, ~~113~~, ~~118~~,

14 - ~~128~~, ~~126~~, ~~116~~,

15 - ~~110~~, ~~127~~

16 - ~~121~~, ~~122~~, ~~124~~, ~~126~~, ~~129~~, ~~110~~

17 - ~~123~~, ~~125~~, ~~111~~

18 - ~~114~~, ~~115~~, ~~117~~, ~~123~~,

19 - ~~134~~, ~~132~~, ~~122~~

20 - ~~130~~, ~~122~~, ~~118~~, ~~129~~

21 - ~~131~~, ~~132~~, ~~207~~

22 - ~~136~~, ~~124~~, ~~126~~

23 - ~~133~~, ~~137~~, ~~121~~

24 - ~~135~~, ~~138~~, ~~119~~, ~~125~~, ~~120~~, ~~124~~, ~~129~~, ~~203~~, ~~204~~

25 - ~~140~~, ~~146~~, ~~120~~, ~~132~~, ~~137~~, ~~139~~, ~~133~~, ~~138~~, ~~201~~

26 - ~~143~~, ~~135~~, ~~122~~

27 - ~~145~~, ~~142~~, ~~134~~, ~~136~~, ~~126~~

28 - ~~132~~, ~~131~~, ~~200~~, ~~205~~

29 - ~~148~~, ~~141~~, ~~135~~, ~~206~~

30 - ~~141~~, ~~138~~, ~~120~~, ~~202~~, ~~205~~

31 - ~~142~~, ~~147~~

32 - ~~102~~

33

34

35 - ~~144~~

Fish Size

Amph sizes

WT = 0.0038 LT<sup>2.786</sup> mg.

1 cm = 10 mm  
1 mm = 1000 μm

- 1 |
- 5 - 9 .73, .57,
- 2 - 10 1.55, 1.58
- 5 { 11 1.1
- 5 { 12 .79, .37, .52, .5, 1.4
- 3 { 13 - .86, .62, .46, .57, .52, .73, .4, .76, .6,
- 3 { 14 - .79, .77, .46, .7, .55, 1.25, .65, .8, .6, .58, 1.05, 1.0,
- 2 { 15 - .95, .92, .8
- 6 { 16 - 2.6, 2.28, 1.76, 1.32, .98, 1.12, 1.8, 1.12, 1.2, 2.5, 1.22, 1.5, 1.17, 1.58
- 4 { 17 1.7, .5,
- 4 { 18 2.0, 2.3, 2.6, 1.0, 1.05
- 3 { 19 .87, 1.0, 1.1, 1.13, 1.26, .83, .6, 1.2, .95, .7, 1.78
- 4 { 20 1.13, 1.27, .58, .5, .6, .84, .38, .43, .49, .4, .34, .66, .45, .47, 1.3, .43
- 3 { 21 .9, .93, 3.13, .92, 1.7, .97, .95, .85, .75, 3.0, 3.56
- 3 { 22 2.38 1.8 1.3 1.0 1.08 .76 1.08 .7 .55  
2.75 3.19 .7 1.08 4.33 4.8 1.65 2.3
- 3 { 23 ~~2.95 3.19 .7 1.08 4.33 4.8 1.65 2.3~~ .73 3.3 1.15 .73 1.54 .6
- 9 { 24 1.3 3.1, 2.4, 2.48, 2.35, 4.3 3.2, 3.35, 3.25, 1.99 2.93, 1.48, 2.0
- 9 { 25 3.2 2.45 2.25 3.05 2.6 1.58 1.05 1.25 3.75 .94 1.08 .92 .57 .94 .8 .93 .65  
.62 4.5 4.3 3.4 4.75 4.2 1.0 .9 1.7 .52
- 3 { 26 2.15 2.15 2.15 1.8 1.8 1.8 4.1
- 5 { 27 5.0 4.63 3.05 1.4 1.6 1.63 2.0 1.8 2.8 1.93 .63 1.0
- 4 { 28 2.94, 2.9, 2.93, 4.2, 4.98 4.3 3.69
- 4 { 29 .83 2.12 .98 2.25 1.27
- 5 { 30 3.0, 1.2 1.32 1.0 1.35 1.55 4.55
- 2 { 31 .86 1.9 1.28 1.98
- 1 { 32 1.13 .95 .67
- 33
- 34
- 35
- 36