

LENGTH - FREQUENCY
LIVE FISH
(INCHES)

LIVE - WMS - 52

	♂		♀						
20	2	1.44				28 $\frac{3}{4}$			
20 $\frac{1}{4}$						29	7	5.04	
20 $\frac{1}{2}$						29 $\frac{1}{2}$	1	.72	
20 $\frac{3}{4}$						29 $\frac{3}{4}$	4	2.88	
21	1	.72							
21 $\frac{1}{4}$									
21 $\frac{1}{2}$									
21 $\frac{3}{4}$									
22	1	.72	5	5.15					
22 $\frac{1}{4}$									
22 $\frac{1}{2}$			2	2.06					
22 $\frac{3}{4}$									
23									
23 $\frac{1}{4}$			4	4.12					
23 $\frac{1}{2}$	5	3.60	3	3.09					
23 $\frac{3}{4}$			3	3.09					
24	1	.72	11	11.33					
24 $\frac{1}{4}$			4	4.12					
24 $\frac{1}{2}$	5	3.60	20	20.60					
24 $\frac{3}{4}$	2	1.44	3	3.09					
25	2	1.44	14	14.42					
25 $\frac{1}{4}$	3	2.16							
25 $\frac{1}{2}$	5	3.60	17	17.51					
25 $\frac{3}{4}$	1	.72	4	4.12					
26	14	10.08	5	5.15					
26 $\frac{1}{4}$	1	.72							
26 $\frac{1}{2}$	16	11.52	1	1.03					
26 $\frac{3}{4}$	3	2.16	1	1.03					
27	10	7.20							
27 $\frac{1}{4}$	1	.72	19						
27 $\frac{1}{2}$	25	18.00							
27 $\frac{3}{4}$	1	.72							
28	18	12.96							
28 $\frac{1}{4}$	3	2.16							
28 $\frac{1}{2}$	6	4.32							

LENGTH - FREQUENCY
DEAD FISH
(INCHES)

DEAD WMS - 52

Length (inches)	Sex	Count	Weight (g)	Sex	Count	Weight (g)
19.75	♂	2	2.94	♀	1	1.47
20		1	1.47			
20.5						
21						
21.5						
22						
22.5						
23						
23.5						
24						
24.5						
25						
25.5						
26						
26.5						
27						
27.5						
28						
28.5						

% composition of NMS
adults (live and dead samples)
1952 as to length (converted
from inches to cm) and sex

Length (cm)	♀	size class inches	ALIVE			DEAD		
45	.3	17 3/4						
	1	18						
	.3	18 1/4						
46	.7	18 1/2						
	.9	18 1/2						
47	.1	18 1/2						1.16
	1	18 3/4						
	.5	19					2.32	
48	.5	19					2.32	1.16
	1	19 1/4						
49	1	19 1/2				1.76		1.39
	.6	19 3/4				2.99	2.32	
50	.4	19 3/4		1.49		2.99	2.32	.93
	1	20	1.49			1.47		
	.2	20 1/4						
51	.8	20 1/2						
	.8	20 1/2						
52	.2	20 1/2		.29				3.25
	1	20 3/4					2.32	
	.9	21	.72				2.32	
53	.6	21	.72	.43			2.32	1.39
	.9	21 1/4						
54	1	21 1/4				.74		2.32
	1	21 1/2					2.32	
	.5	21 3/4				1.47		
55	.5	21 3/4	.72	.72	5.15	1.47	.74	5.10
	1	22	.72		5.15		4.64	
	.1	22 1/4					4.64	
56	.9	22 1/4			1.24		4.64	5.57
	.6	22 1/2			2.06		2.32	
57	.9	22 1/2			2.06	.82	2.32	9.74
	1	22 3/4				1.47	6.96	
	.2	23				1.47	9.28	
58	.8	23			3.30	1.47	9.28	11.14
	.8	23 1/4			4.12		4.64	



Length (mm)	♀	size of jaws in inches	ALIVE			DEAD								
59	.2	23 1/4	3.60	4.12	5.15	1.76	4.64	17.63						
	1	23 1/2							3.60	3.09	4.41	13.92		
	.4	23 3/4								3.09		6.96		
60	.6	23 3/4	.65	3.69	15.97	4.41	3.97	6.96	14.62					
	.9	24								.72	11.33	1.47	11.60	
61	.1	24	.72	1.87	11.33	15.55	1.47	6.77	11.60	5.80				
	1	24 1/4									4.12	4.41		
	.5	24 1/2									3.60	20.60	4.41	9.28
62	.5	24 1/2	3.60	3.24	20.60	13.39	4.41	3.68	9.28	11.60				
	1	24 3/4									1.44	3.09	1.47	6.96
63	1	25	1.44	2.74	14.42	14.42	5.88	7.64	4.64	4.64				
	.6	25 1/4									2.16	2.94		
64	.4	25 1/4	2.16	4.60	18.33	2.94	7.64	4.64	4.64					
	1	25 1/2								3.60	17.51	5.88		
	.2	25 3/4								.72	4.12	2.94		
65	.0	25 3/4	.72	8.64	4.12	7.42	2.94	8.23	8.23					
	.8	26								10.08	5.15	7.35		
	.2	26 1/4								10.08	6.19	5.15	11.34	7.35
66	1	26 1/4	.72	11.52	1.03	5.88	1.47	5.88	1.47					
	.3	26 1/2								11.52	1.03	5.88		
	.7	26 1/2								11.52	10.09	1.03	1.65	5.88
67	.9	26 3/4	2.16	7.78	1.03	.10	8.82	2.32	2.32					
	1	27								7.20	8.82	11.17	2.32	.23
	.5	27 1/4								.72	7.20	5.88		
69	.5	27 1/4	.72	18.95	5.88	10.58	5.88	10.58	10.58					
	1	27 1/2								18.00	7.35			
	.1	27 3/4								.72	10.383	2.94		
70	.9	27 3/4	.72	8.42	8.42	2.94	2.65	2.65						
	.6	28							12.96					
71	.4	28	12.96	8.21	8.21	3.82	3.82	3.82						
	1	28 1/4							2.16	2.94				
	.2	28 1/2							4.32	4.41				
72	.8	28 1/2	4.32	3.46	3.46	4.41	4.70	4.70						
	.8	28 3/4							1.47					

