

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 2000 CREEL SURVEY RESULTS

2000 CLINTON LAKE
 4895 ACRES
 REGION 3, DISTRICT 10

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/2000 through 10/31/2000
 Year periods stratified.
 Fishing modes (boat vs. shore) stratified.
 Day types (weekday vs. weekend/holiday) stratified.
 Day periods (morning, midday, and afternoon) stratified.

SAMPLING RATIO: 467/693 = 67.4%

NUMBER OF INTERVIEWS: 4873

Table 1. Total fishing effort, by fishing mode and day type.

FISHING MODE	DAYTYPE	ANGLER-HOURS	95% CI	HOURS/ACRE	95% CI	% EFF
BOAT	WEEKDAY	64364	55394-73335 (14%)	13	11-15 (14%)	7%
	HOLIDAY	75882	63216-88549 (17%)	16	13-18 (17%)	11%
	TOTAL	140247	124725-155768 (11%)	29	25-32 (11%)	9%
SHORE	WEEKDAY	26316	22930-29702 (13%)	5	5-6 (13%)	6%
	HOLIDAY	26812	22654-30970 (16%)	5	5-6 (16%)	10%
	TOTAL	53128	47765-58490 (10%)	11	10-12 (10%)	8%
BOAT & SHORE	WEEKDAY	90680	81092-100268 (11%)	19	17-20 (11%)	6%
	HOLIDAY	102694	89363-116026 (13%)	21	18-24 (13%)	10%
	TOTAL	193374	176953-209796 (8%)	40	36-43 (8%)	8%

Table 2. Total fishing harvest and harvest rates, in numbers of fish.

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
123600	108426-138774 (12%)	.483	.413-.553 (15%)	62.39	25.25	All species
5	0-15 (216%)	.000	.000-.000 (216%)	0.00	0.00	Bluegill x Green su
50	0-113 (125%)	.000	.000-.000 (130%)	0.03	0.01	Black bullhead
32084	25706-38463 (20%)	.098	.080-.116 (18%)	16.20	6.55	Black crappie
36024	29008-43039 (19%)	.140	.111-.168 (20%)	18.18	7.36	Bluegill
103	26-179 (75%)	.000	.000-.000 (74%)	0.05	0.02	Carp
22161	19261-25061 (13%)	.117	.099-.134 (15%)	11.19	4.53	Channel catfish
69	15-123 (78%)	.000	.000-.001 (94%)	0.04	0.01	Flathead catfish
704	316-1092 (55%)	.002	.001-.004 (74%)	0.36	0.14	Freshwater drum
2097	765-3430 (64%)	.038	.000-.095 (147%)	1.06	0.43	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
782	510-1055 (35%)	.002	.001-.002 (42%)	0.39	0.16	Largemouth bass
		****	NOT RECORDED ****			Redear sunfish
1248	855-1641 (31%)	.005	.002-.008 (54%)	0.63	0.25	Striped bass hybrid
27	0-63 (134%)	.000	.000-.000 (150%)	0.01	0.01	Smallmouth bass
3174	0-7192 (127%)	.012	.000-.026 (114%)	1.60	0.65	Striped bass
		****	NOT RECORDED ****			Tiger muskie
3232	2350-4115 (27%)	.009	.006-.012 (33%)	1.63	0.66	Walleye
		****	NOT RECORDED ****			Warmouth
3138	2195-4081 (30%)	.010	.006-.013 (38%)	1.58	0.64	White bass
18237	11403-25071 (37%)	.047	.037-.058 (23%)	9.21	3.73	White crappie
464	188-740 (59%)	.002	.001-.003 (54%)	0.23	0.09	Yellow bullhead

Table 3. Total fishing harvest and harvest rates, in kilograms.

KG HARVESTED	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
35430	31386-39474 (11%)	.140	.123-.157 (12%)	17.88	0.287	All species
0	0-2 (218%)	.000	.000-.000 (216%)	0.00	0.099	Bluegill x Green su
20	0-46 (129%)	.000	.000-.000 (135%)	0.01	0.399	Black bullhead
6963	5535-8390 (21%)	.022	.017-.026 (19%)	3.51	0.217	Black crappie
3549	2826-4272 (20%)	.013	.010-.016 (20%)	1.79	0.099	Bluegill
89	24-155 (73%)	.000	.000-.000 (87%)	0.05	0.872	Carp
13760	11805-15716 (14%)	.069	.056-.081 (18%)	6.95	0.621	Channel catfish
194	28-360 (86%)	.001	.000-.002 (92%)	0.10	2.796	Flathead catfish
390	202-578 (48%)	.001	.001-.002 (53%)	0.20	0.554	Freshwater drum
112	54-171 (52%)	.002	.000-.004 (142%)	0.06	0.054	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
836	544-1127 (35%)	.002	.001-.002 (41%)	0.42	1.068	Largemouth bass
		****	NOT RECORDED ****			Redear sunfish
1573	990-2156 (37%)	.006	.003-.009 (57%)	0.79	1.261	Striped bass hybrid
27	0-64 (137%)	.000	.000-.000 (137%)	0.01	0.997	Smallmouth bass
1107	0-2436 (120%)	.006	.000-.013 (119%)	0.56	0.349	Striped bass
		****	NOT RECORDED ****			Tiger muskie
2106	1502-2710 (29%)	.006	.004-.008 (33%)	1.06	0.652	Walleye
		****	NOT RECORDED ****			Warmouth
724	501-948 (31%)	.002	.001-.003 (38%)	0.37	0.231	White bass
3808	2255-5361 (41%)	.010	.007-.012 (23%)	1.92	0.209	White crappie
171	60-281 (65%)	.001	.000-.001 (56%)	0.09	0.368	Yellow bullhead

Table 4. Total fishing harvest and harvest rates, in pounds.

LB HARVESTED	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
78109	69194-87025	(11%)	.308	.271-.346 (12%)	15.96	0.632	All species
1	0-3	(218%)	.000	.000-.000 (218%)	0.00	0.217	Bluegill x Green su
44	0-101	(129%)	.000	.000-.000 (135%)	0.01	0.880	Black bullhead
15350	12203-18496	(21%)	.047	.039-.056 (19%)	3.14	0.478	Black crappie
7825	6231-9419	(20%)	.029	.023-.035 (20%)	1.60	0.217	Bluegill
197	53-342	(73%)	.001	.000-.001 (87%)	0.04	1.923	Carp
30336	26025-34647	(14%)	.152	.124-.179 (18%)	6.20	1.369	Channel catfish
428	61-794	(86%)	.002	.000-.004 (92%)	0.09	6.163	Flathead catfish
859	445-1273	(48%)	.003	.001-.004 (53%)	0.18	1.220	Freshwater drum
248	119-376	(52%)	.004	.000-.009 (142%)	0.05	0.118	Green sunfish
			****	NOT RECORDED ****			Gizzard shad
1842	1199-2485	(35%)	.004	.002-.005 (41%)	0.38	2.355	Largemouth bass
			****	NOT RECORDED ****			Redear sunfish
3468	2184-4753	(37%)	.013	.006-.020 (57%)	0.71	2.779	Striped bass hybrid
59	0-140	(137%)	.000	.000-.000 (137%)	0.01	2.197	Smallmouth bass
2440	0-5371	(120%)	.013	.000-.028 (119%)	0.50	0.769	Striped bass
			****	NOT RECORDED ****			Tiger muskie
4643	3312-5974	(29%)	.013	.009-.018 (33%)	0.95	1.436	Walleye
			****	NOT RECORDED ****			Warmouth
1597	1104-2089	(31%)	.005	.003-.006 (38%)	0.33	0.509	White bass
8396	4972-11820	(41%)	.022	.016-.027 (23%)	1.72	0.460	White crappie
376	132-620	(65%)	.002	.001-.003 (56%)	0.08	0.810	Yellow bullhead

Table 5. Total fishing catch and catch rates, in numbers of fish.
Catch includes both harvested and released fish.

# CAUGHT	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
404842	360763-448921 (11%)	1.530	1.349-1.712 (12%)	204.36	82.71	All species
5	0-15 (216%)	.000	.000-.000 (216%)	0.00	0.00	Bluegill x Green su
305	17-592 (94%)	.002	.000-.003 (90%)	0.15	0.06	Black bullhead
90380	73825-106935 (18%)	.293	.246-.341 (16%)	45.62	18.46	Black crappie
104123	88911-119335 (15%)	.446	.368-.523 (17%)	52.56	21.27	Bluegill
1905	1379-2431 (28%)	.008	.005-.012 (42%)	0.96	0.39	Carp
37191	32636-41746 (12%)	.194	.156-.232 (20%)	18.77	7.60	Channel catfish
96	19-173 (80%)	.001	.000-.001 (92%)	0.05	0.02	Flathead catfish
16471	13775-19166 (16%)	.077	.058-.096 (24%)	8.31	3.36	Freshwater drum
4568	2296-6841 (50%)	.067	.000-.161 (140%)	2.31	0.93	Green sunfish
8	0-23 (196%)	.000	.000-.000 (196%)	0.00	0.00	Gizzard shad
43221	37848-48594 (12%)	.134	.115-.153 (14%)	21.82	8.83	Largemouth bass
35	0-119 (236%)	.000	.000-.002 (245%)	0.02	0.01	Redear sunfish
5489	3948-7030 (28%)	.020	.011-.028 (42%)	2.77	1.12	Striped bass hybrid
699	432-966 (38%)	.002	.001-.003 (50%)	0.35	0.14	Smallmouth bass
10046	4193-15899 (58%)	.037	.018-.057 (53%)	5.07	2.05	Striped bass
55	6-105 (90%)	.000	.000-.000 (154%)	0.03	0.01	Tiger muskie
11233	8921-13545 (21%)	.033	.025-.041 (25%)	5.67	2.29	Walleye
144	0-287 (100%)	.004	.000-.013 (209%)	0.07	0.03	Warmouth
26133	10722-41545 (59%)	.069	.031-.107 (55%)	13.19	5.34	White bass
51973	37856-66090 (27%)	.140	.114-.167 (19%)	26.24	10.62	White crappie
763	394-1132 (48%)	.003	.002-.005 (48%)	0.39	0.16	Yellow bullhead

Table 6. Total fishing catch and catch rates, in kilograms.

KG CAUGHT	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
82182	73823-90541 (10%)	.296	.268-.323 (9%)	41.49	0.203	All species
0	0-2 (218%)	.000	.000-.000 (216%)	0.00	0.099	Bluegill x Green su
61	11-111 (82%)	.000	.000-.001 (80%)	0.03	0.200	Black bullhead
13863	11277-16449 (19%)	.044	.037-.051 (16%)	7.00	0.153	Black crappie
5946	4977-6915 (16%)	.023	.019-.027 (17%)	3.00	0.057	Bluegill
835	611-1059 (27%)	.003	.002-.004 (37%)	0.42	0.438	Carp
17594	15276-19913 (13%)	.088	.072-.105 (19%)	8.88	0.473	Channel catfish
239	48-430 (80%)	.001	.000-.002 (87%)	0.12	2.484	Flathead catfish
2980	2445-3516 (18%)	.013	.010-.015 (21%)	1.50	0.181	Freshwater drum
174	96-252 (45%)	.002	.000-.006 (139%)	0.09	0.038	Green sunfish
0	0-0 (196%)	.000	.000-.000 (196%)	0.00	0.012	Gizzard shad
17489	14967-20011 (14%)	.050	.041-.058 (17%)	8.83	0.405	Largemouth bass
1	0-3 (236%)	.000	.000-.000 (245%)	0.00	0.022	Redear sunfish
3235	2393-4077 (26%)	.012	.007-.016 (38%)	1.63	0.589	Striped bass hybrid
477	271-683 (43%)	.001	.001-.002 (56%)	0.24	0.682	Smallmouth bass
2647	1130-4165 (57%)	.012	.003-.021 (76%)	1.34	0.264	Striped bass
291	0-583 (100%)	.001	.000-.002 (172%)	0.15	5.265	Tiger muskie
4489	3508-5470 (22%)	.013	.010-.016 (26%)	2.27	0.400	Walleye
7	1-13 (90%)	.000	.000-.001 (210%)	0.00	0.049	Warmouth
4577	1385-7769 (70%)	.012	.004-.020 (65%)	2.31	0.175	White bass
7066	5023-9109 (29%)	.018	.015-.022 (19%)	3.57	0.136	White crappie
210	93-328 (56%)	.001	.000-.001 (51%)	0.11	0.276	Yellow bullhead

Table 7. Total fishing catch and catch rates, in pounds.

LB CAUGHT	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
181181	162752-199610 (10%)	.651	.591-.712 (9%)	37.01	0.448	All species
1	0-3 (218%)	.000	.000-.000 (218%)	0.00	0.217	Bluegill x Green su
135	24-245 (82%)	.001	.000-.001 (80%)	0.03	0.442	Black bullhead
30563	24862-36263 (19%)	.098	.082-.113 (16%)	6.24	0.338	Black crappie
13109	10972-15246 (16%)	.051	.043-.060 (17%)	2.68	0.126	Bluegill
1841	1346-2335 (27%)	.007	.004-.009 (37%)	0.38	0.966	Carp
38789	33678-43900 (13%)	.195	.159-.231 (19%)	7.92	1.043	Channel catfish
526	106-947 (80%)	.002	.000-.005 (87%)	0.11	5.476	Flathead catfish
6570	5390-7751 (18%)	.028	.022-.034 (21%)	1.34	0.399	Freshwater drum
383	211-555 (45%)	.005	.000-.012 (139%)	0.08	0.084	Green sunfish
0	0-1 (196%)	.000	.000-.000 (196%)	0.00	0.026	Gizzard shad
38557	32996-44117 (14%)	.110	.091-.129 (17%)	7.88	0.892	Largemouth bass
2	0-6 (236%)	.000	.000-.000 (245%)	0.00	0.048	Redear sunfish
7132	5277-8988 (26%)	.026	.016-.036 (38%)	1.46	1.299	Striped bass hybrid
1051	597-1505 (43%)	.003	.001-.004 (56%)	0.21	1.504	Smallmouth bass
5836	2490-9182 (57%)	.027	.006-.047 (76%)	1.19	0.581	Striped bass
642	0-1285 (100%)	.002	.000-.004 (172%)	0.13	11.608	Tiger muskie
9897	7735-12058 (22%)	.028	.021-.036 (26%)	2.02	0.881	Walleye
15	2-29 (90%)	.000	.000-.001 (210%)	0.00	0.108	Warmouth
10090	3053-17128 (70%)	.026	.009-.043 (65%)	2.06	0.386	White bass
15578	11073-20083 (29%)	.040	.033-.048 (19%)	3.18	0.300	White crappie
464	205-722 (56%)	.002	.001-.003 (51%)	0.09	0.608	Yellow bullhead

Table 8. Hours per completed trip and supplementary questions for all trips.

	MEAN	95% CI	MIN	MAX	#SAMPLES
HOURS PER COMPLETED TRIP*					
BOAT	4.0	3.7-4.3 (6%)	0.2	13.8	305
SHORE	2.5	2.2-2.8 (13%)	0.2	7.3	79
BOAT & SHORE	3.7	3.5-3.9 (6%)	0.2	13.8	384
MILES TRAVELED	45.2	43.9-46.5 (3%)	1	237	3706
SUCCESS RATING (1-10)	3.3	3.2-3.4 (2%)	1	10	3648

*202 samples were from split interviews of completed trips.
8.2% of all 4663 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 53 out of 4663 interviews with illegal harvests.

Table 9. Frequency distribution of angler party size for all interviews.

PARTY SIZE:	1	2	3	4	5	6	7	8	9	10+
BOAT INTERVIEWS	979	1848	343	65	16					
SHORE INTERVIEWS	530	702	141	26	7	5	1			

Table 10. Number of interviews (and %) per species sought for all interviews.

444 (9.5%)	ANY	All species
20 (0.4%)	BLC	Black crappie
131 (2.8%)	BLG	Bluegill
5 (0.1%)	CAP	Carp
7 (0.2%)	CAT	Unidentified catfish
1009 (21.6%)	CCF	Channel catfish
1310 (28.1%)	CRP	Crappie spp.
2 (0.0%)	FCF	Flathead catfish
1033 (22.2%)	LMB	Largemouth bass
144 (3.1%)	SBH	Striped bass hybrid (Wiper)
151 (3.2%)	STB	Striped bass
1 (0.0%)	TGM	Tiger muskie
284 (6.1%)	WAE	Walleye
91 (2.0%)	WHB	White bass
31 (0.7%)	WHC	White crappie

2000 CLINTON LAKE

DAY CREEL

03/15/2000 - 10/31/2000

Table 11. Number of anglers with a given harvest & release for completed trips

# OF FISH:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15+
Black bullhead																
HARVEST	679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	677	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black crappie																
HARVEST	539	32	22	11	17	19	6	6	6	2	4	3	3	2	-	7
RELEASE	526	26	26	17	9	16	10	4	8	1	3	4	1	6	-	22
Bluegill																
HARVEST	607	27	11	7	5	4	2	2	-	3	2	-	-	-	-	9
RELEASE	528	38	22	18	9	14	3	10	8	-	8	-	3	6	-	12
Carp																
HARVEST	677	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	660	17	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Channel catfish																
HARVEST	576	65	15	8	5	1	3	1	1	-	1	-	1	-	1	1
RELEASE	599	46	16	7	2	4	1	1	-	-	1	-	1	-	-	1
Freshwater drum																
HARVEST	677	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	599	41	18	9	2	7	2	-	-	-	-	-	-	-	-	1
Green sunfish																
HARVEST	679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	675	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Largemouth bass																
HARVEST	669	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	429	133	46	35	10	9	8	1	-	3	1	2	-	1	-	1
Striped bass hybrid (Wiper)																
HARVEST	670	6	2	-	1	-	-	-	-	-	-	-	-	-	-	-
RELEASE	661	7	3	3	3	1	-	-	-	-	-	-	-	-	-	1
Smallmouth bass																
HARVEST	679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	671	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Striped bass																
HARVEST	664	6	-	2	1	2	-	-	-	-	4	-	-	-	-	-
RELEASE	628	31	5	3	4	2	3	-	-	-	-	-	-	-	1	2
Walleye																
HARVEST	635	24	7	3	5	4	1	-	-	-	-	-	-	-	-	-
RELEASE	623	36	7	1	4	2	3	-	-	1	1	-	-	-	-	1

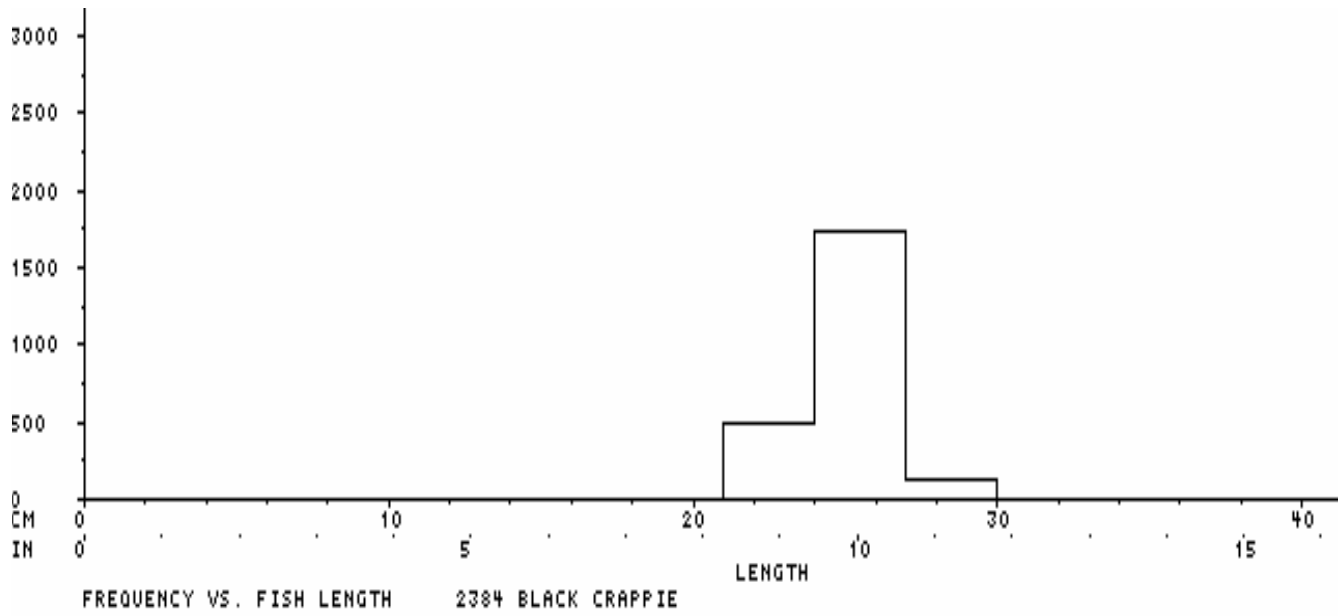


Figure 1. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of black crappie harvested by all anglers.

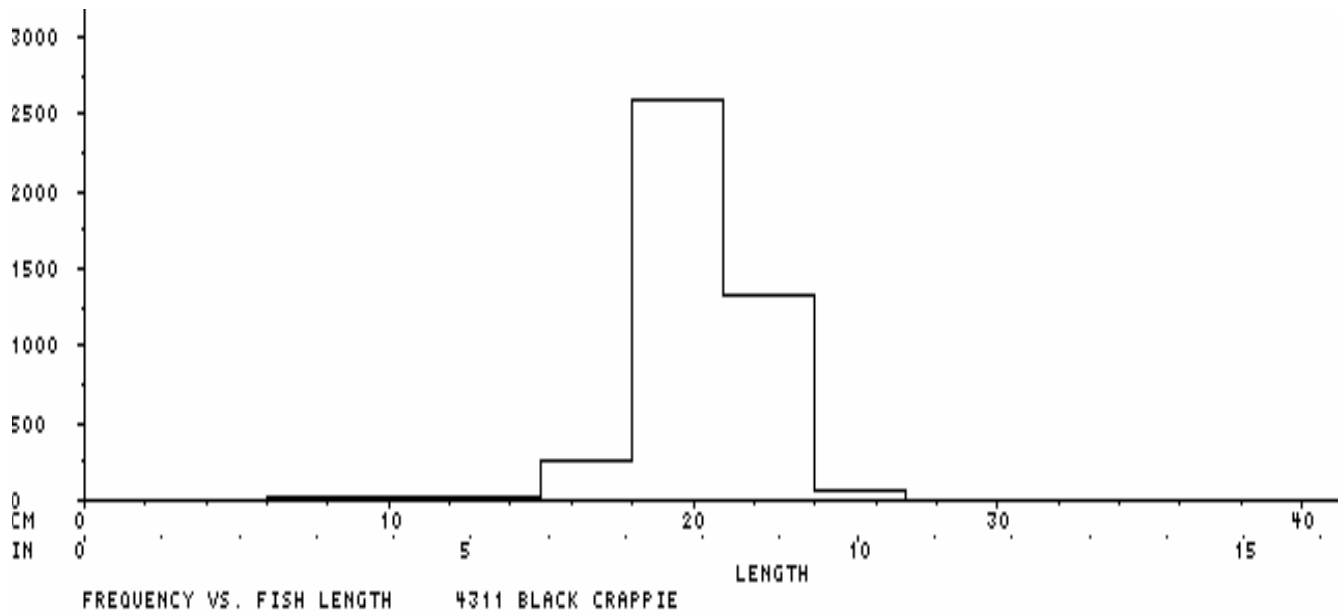


Figure 2. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of black crappie released by all anglers.

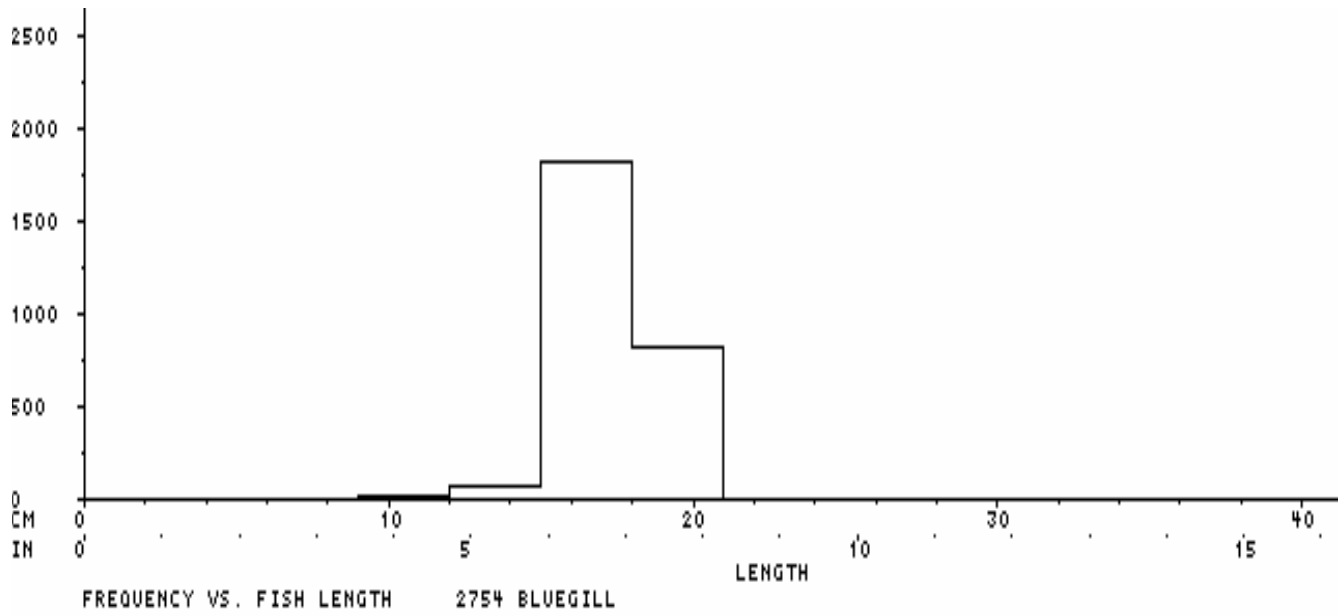


Figure 4. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of bluegill harvested by all anglers.

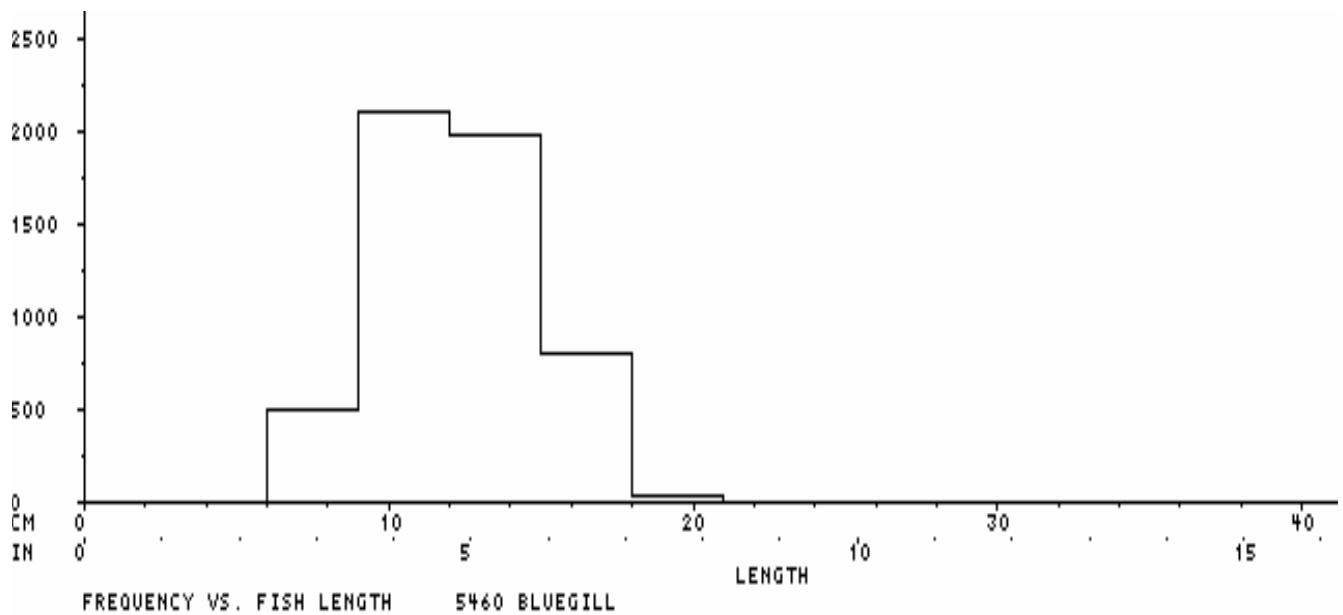


Figure 4. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of bluegill released by all anglers.

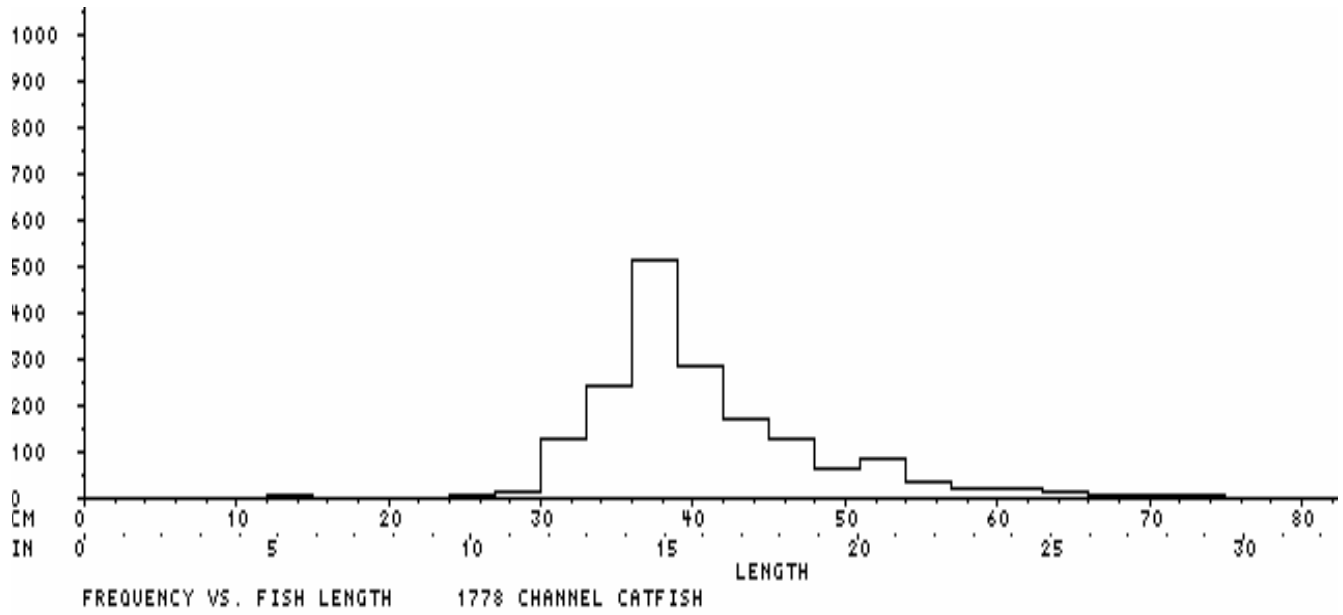


Figure 5. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of channel catfish harvested by all anglers.

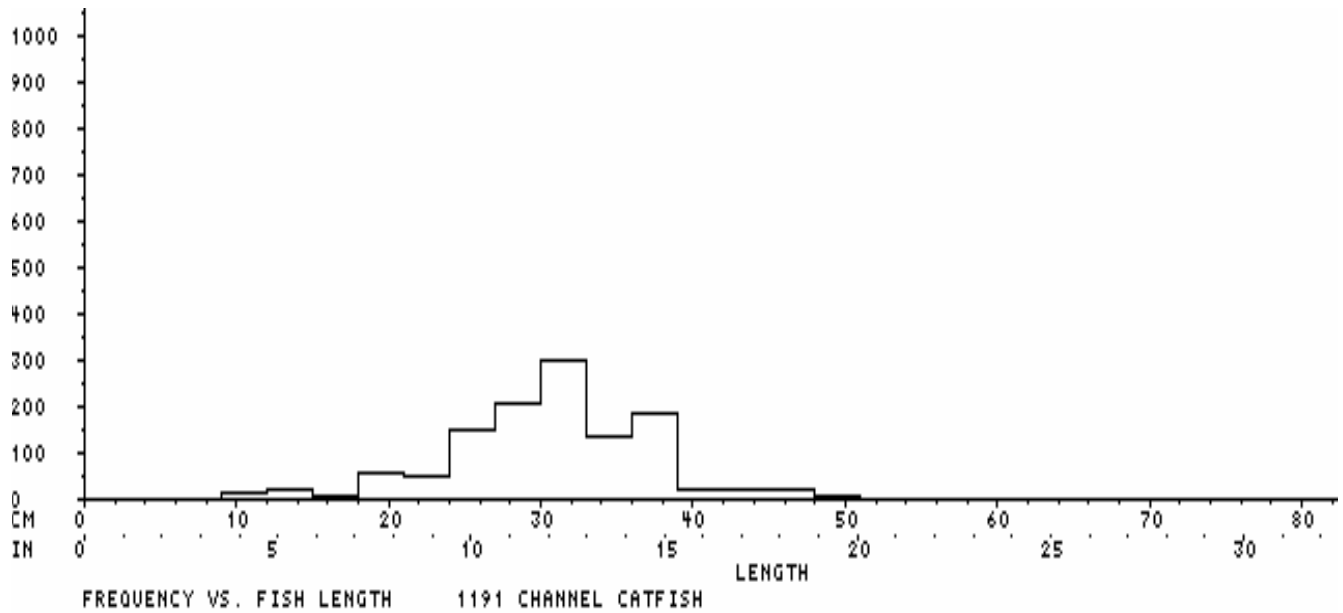


Figure 6. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of channel catfish released by all anglers.

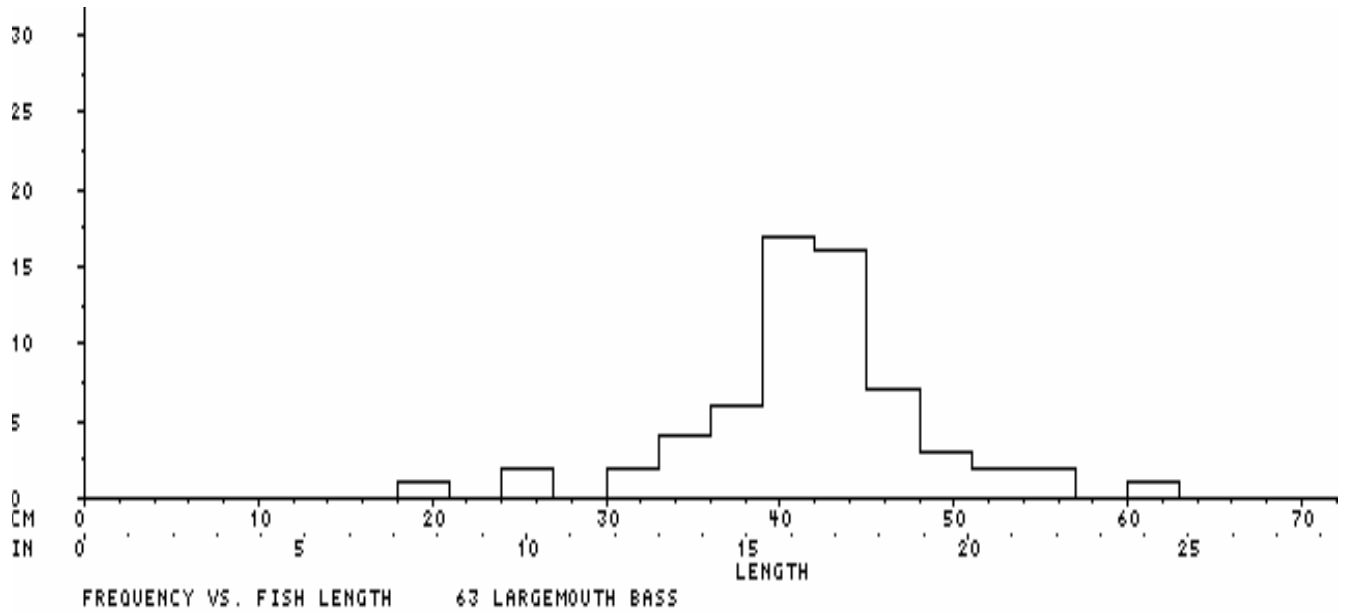


Figure 7. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of largemouth bass harvested by all anglers.

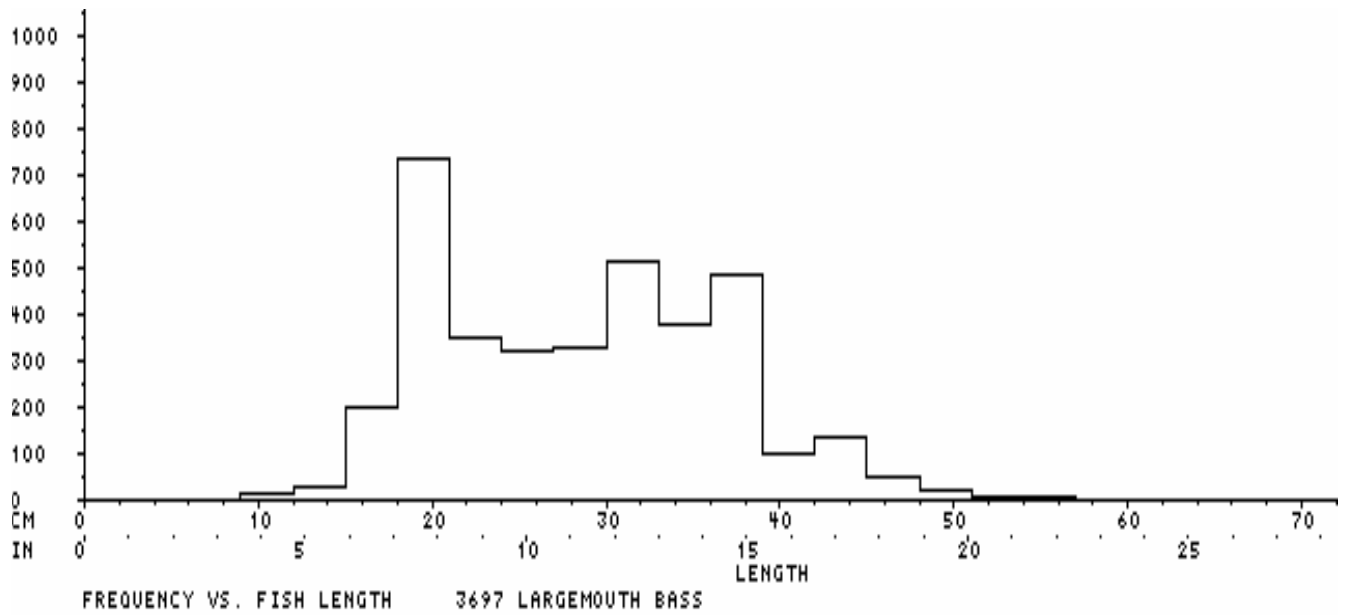


Figure 8. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of largemouth bass released by all anglers. Note the difference in scale from Figure 7.

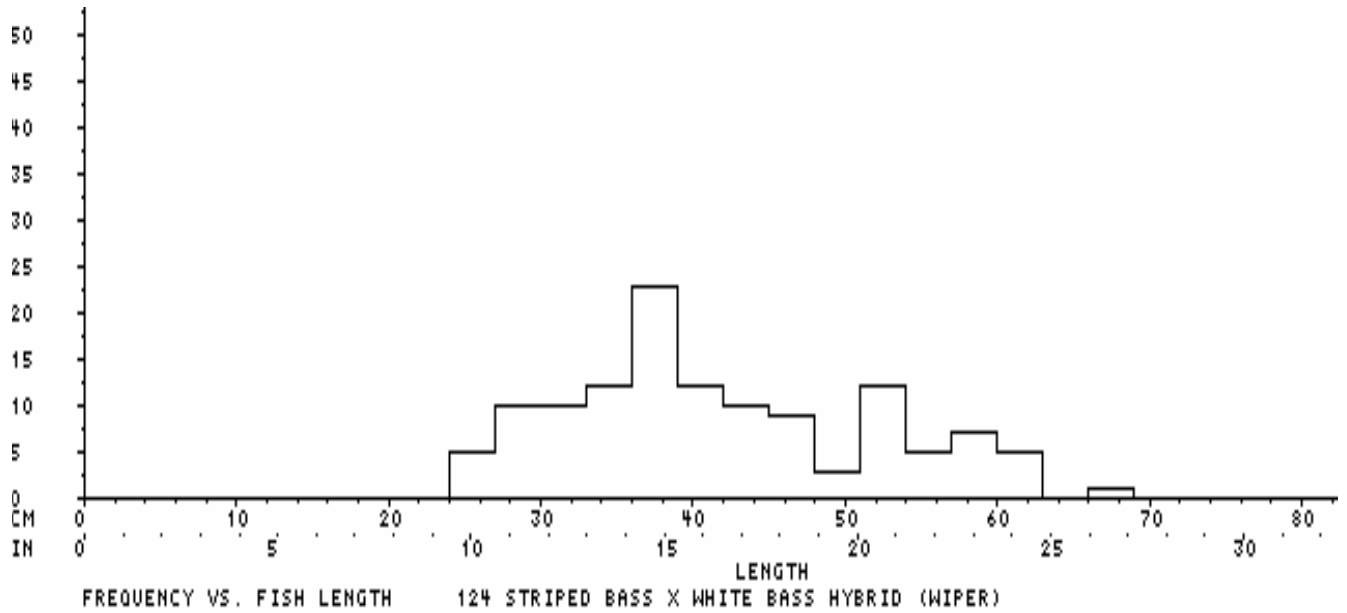


Figure 9. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of hybrid striped bass harvested by all anglers.

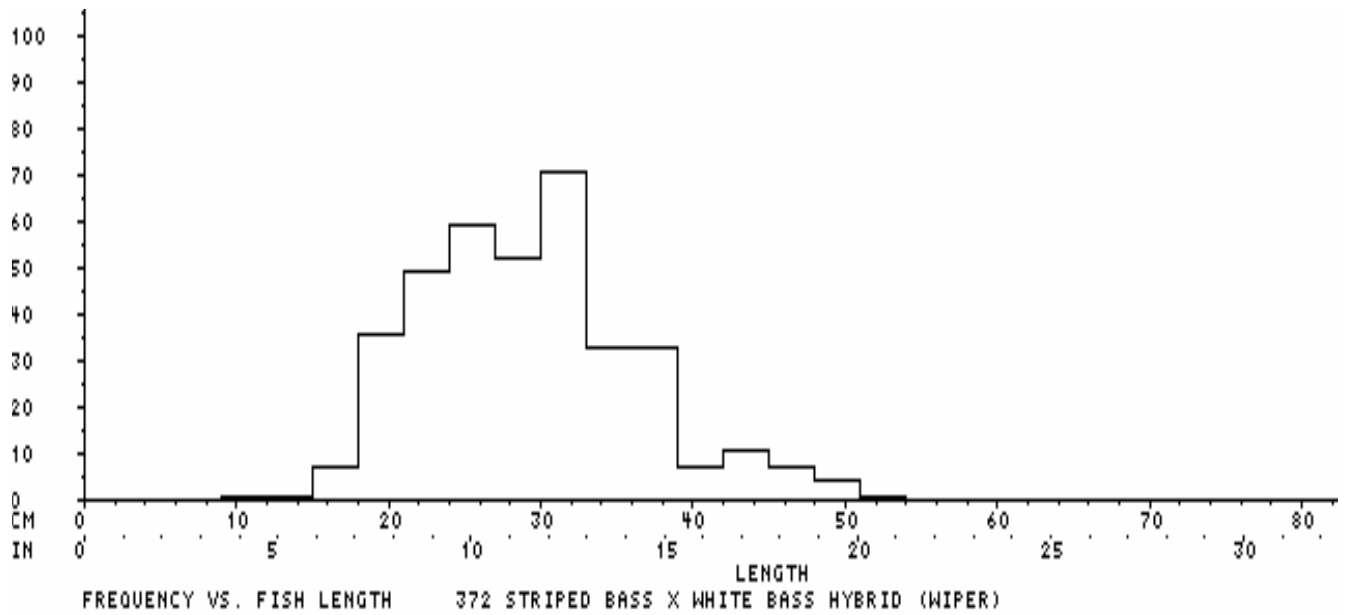


Figure 10. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of hybrid striped bass released by all anglers. Note the difference in scale from Figure 9.

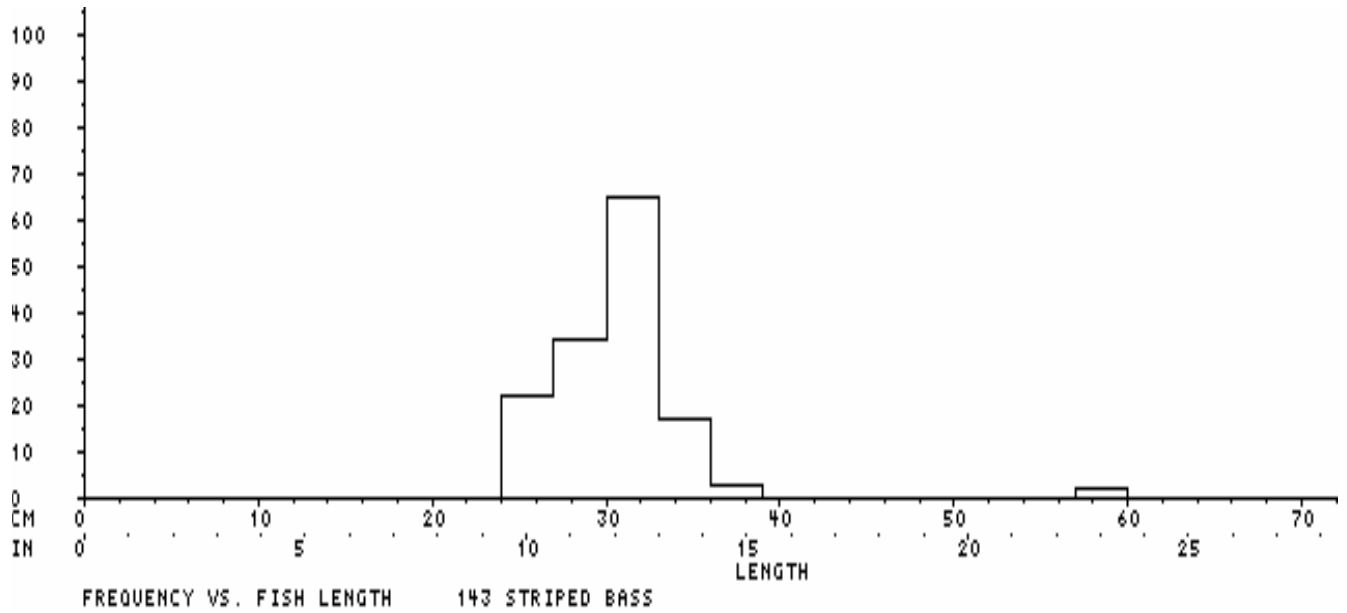


Figure 11. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of striped bass harvested by all anglers.

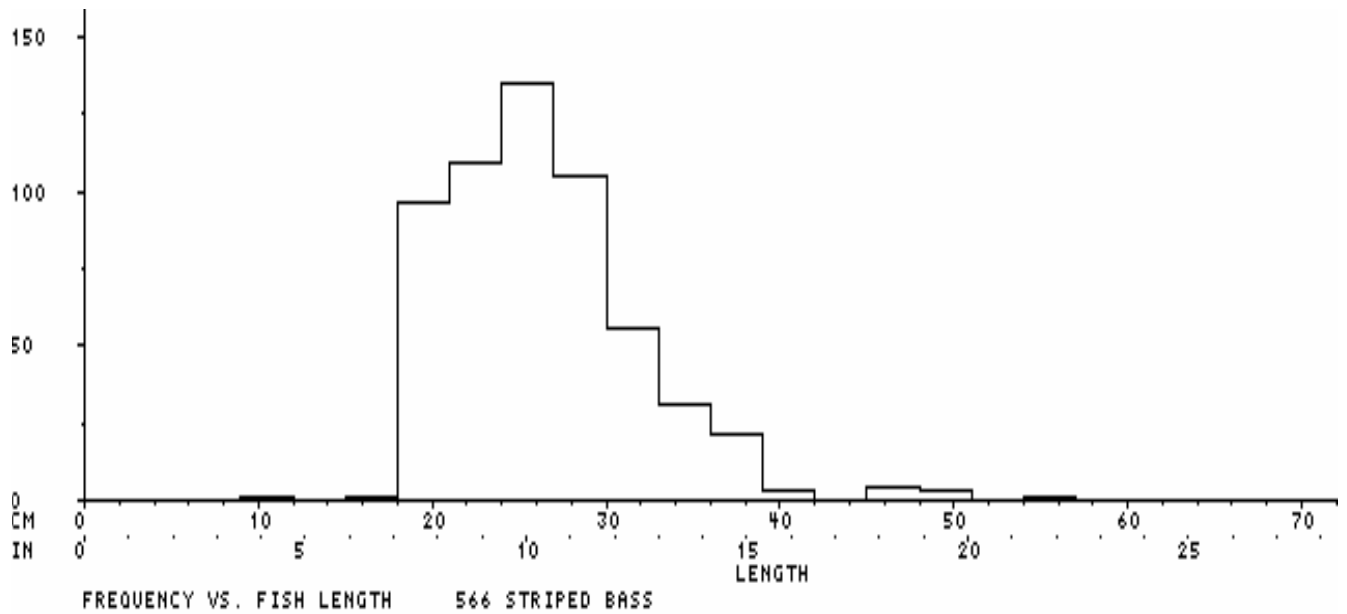


Figure 12. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of striped bass released by all anglers. Note the difference in scale from Figure 11.

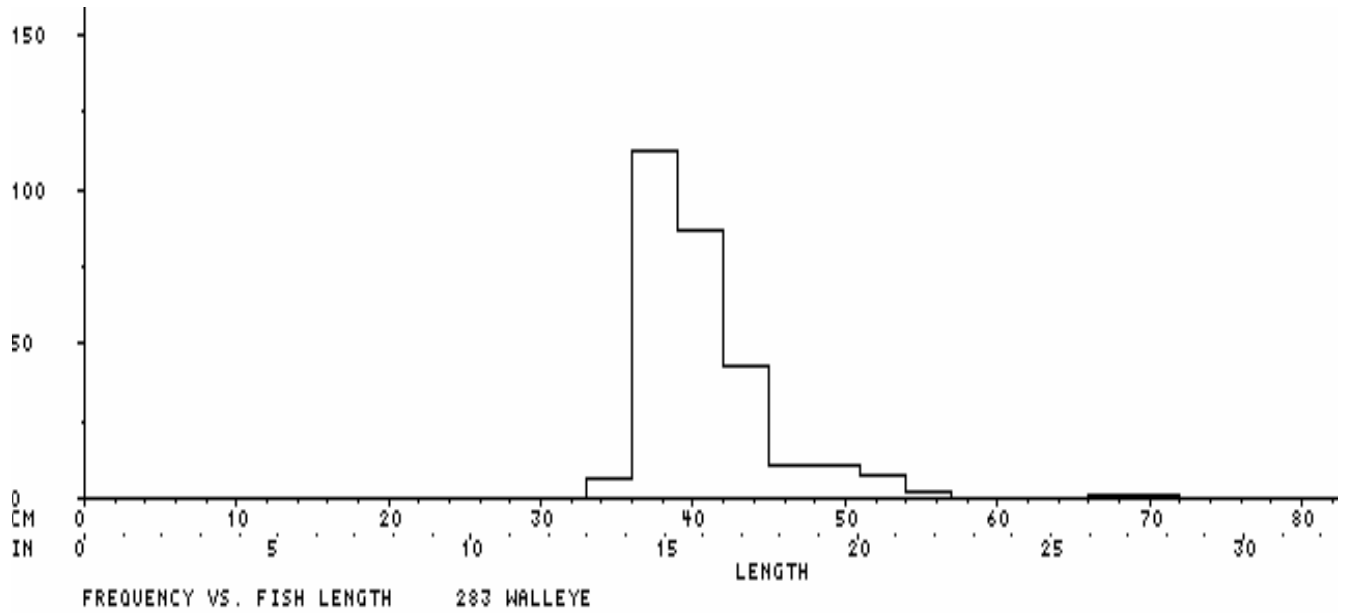


Figure 13. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of walleye harvested by all anglers.

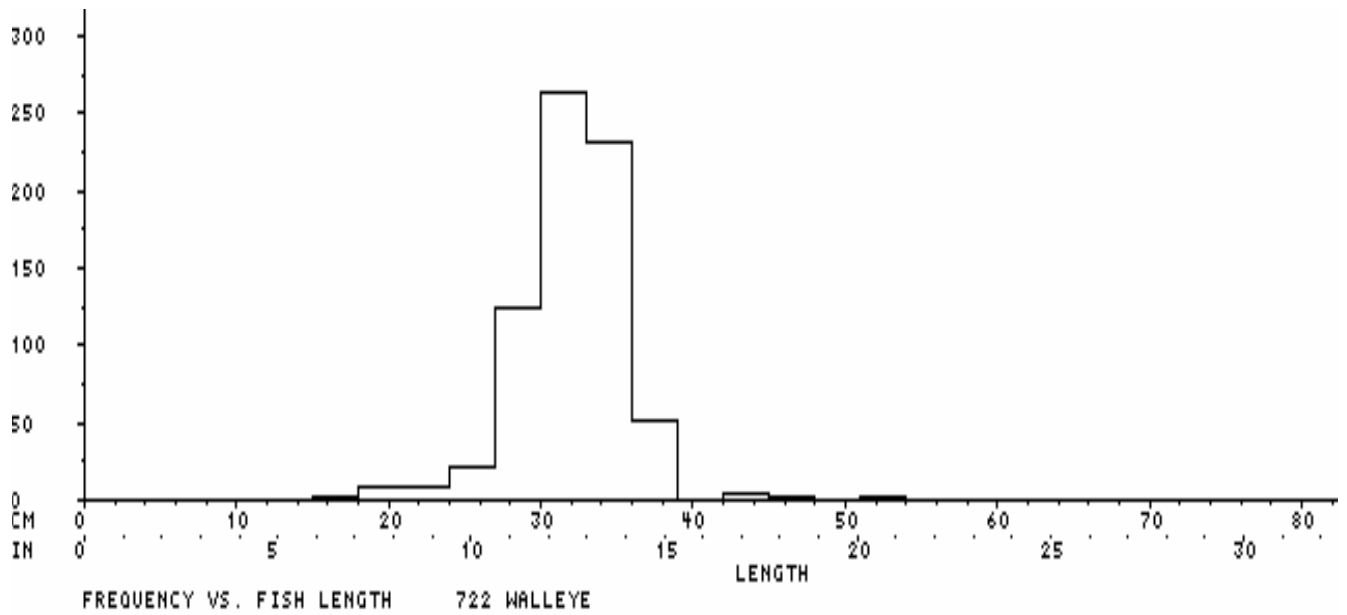


Figure 14. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of walleye released by all anglers. Note the difference in scale from Figure 13.

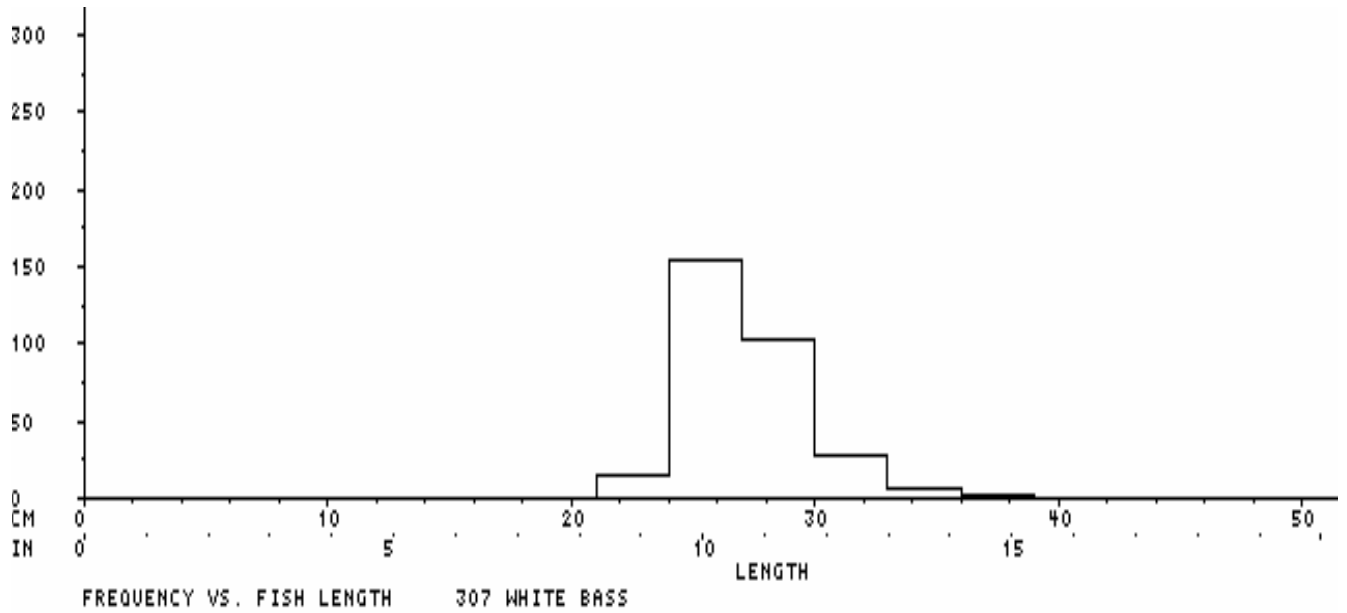


Figure 15. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of white bass harvested by all anglers.

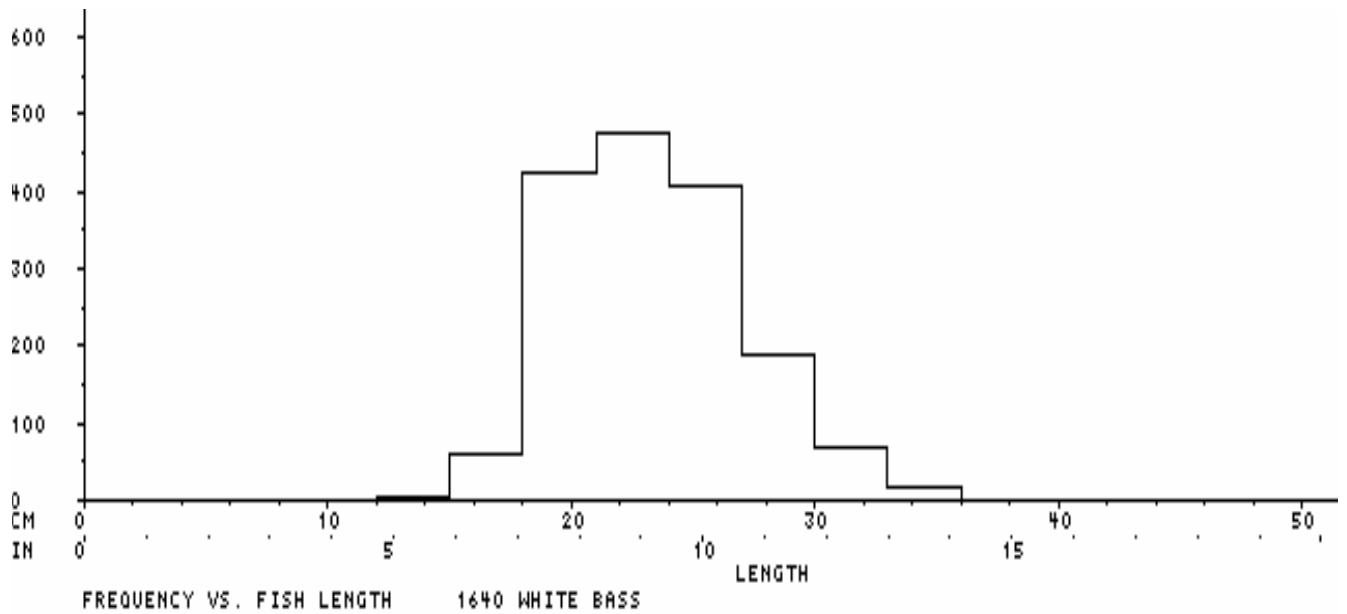


Figure 16. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of white bass released by all anglers. Note the difference in scale from Figure 15.

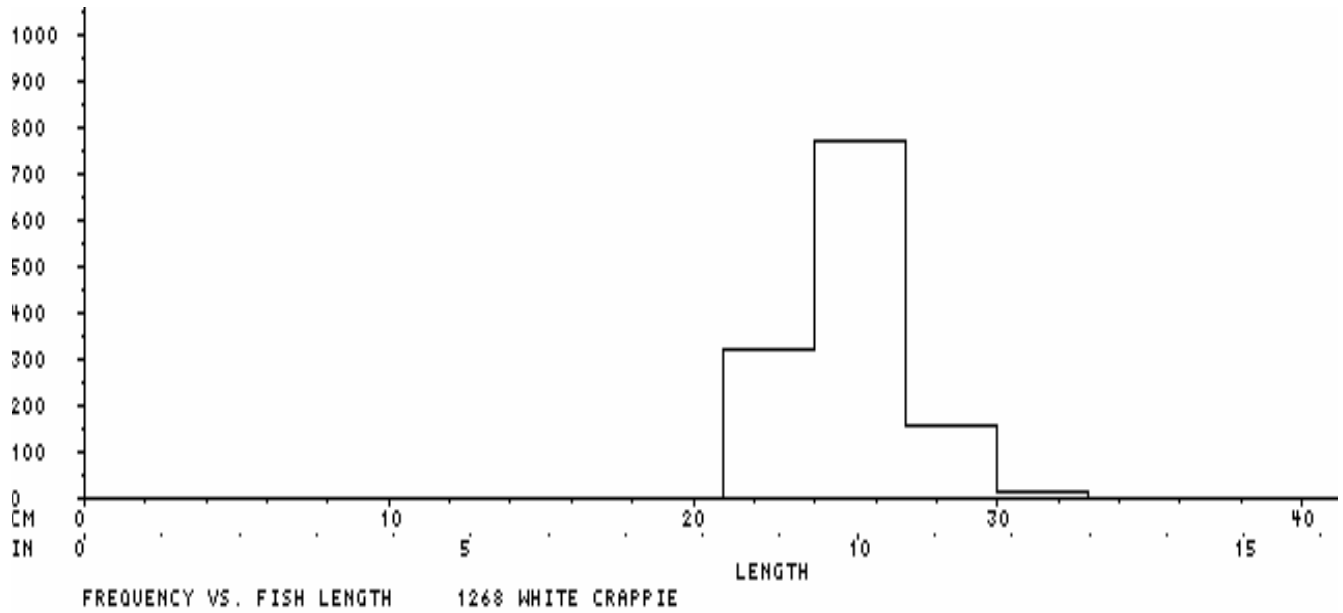


Figure 17. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of white crappie harvested by all anglers.

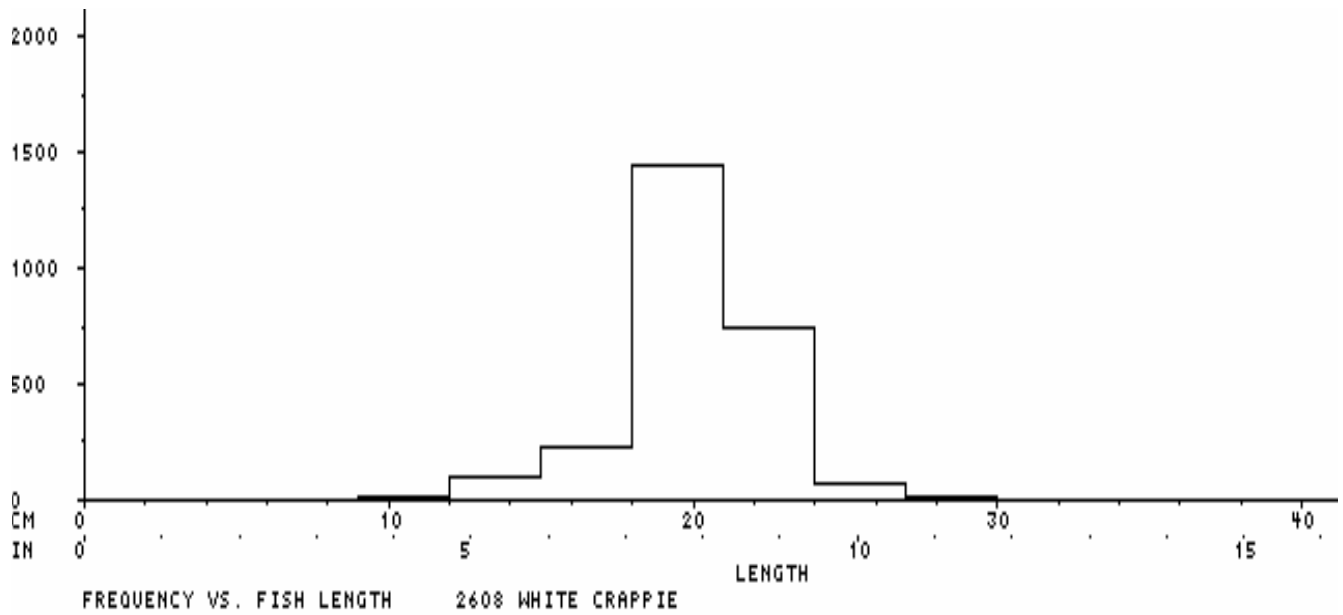


Figure 18. Clinton Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of white crappie released by all anglers. Note the difference in scale from Figure 17.