

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

2000 LASALLE COOLING LAKE
 1864 ACRES
 REGION 1, DISTRICT 2

STRATIFICATION SUMMARY:

Day creel only.
 Results cover **03/15/2000 through 10/15/2000**
 Year periods stratified.
 Fishing modes (boat vs. shore) stratified.
 Day types (weekday vs. weekend/holiday) stratified.
 Day periods (morning, midday, and afternoon) stratified.
 Yearperiod 6 coalesced with yearperiod 7.

SAMPLING RATIO: 283/645 = 43.9%

NUMBER OF INTERVIEWS: 2831

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	17436	14541-20332 (17%)	9	8-11 (17%)	15%
	HOLIDAY	22900	19475-26326 (15%)	12	10-14 (15%)	22%
	TOTAL	40337	35852-44822 (11%)	22	19-24 (11%)	19%
SHORE	WEEKDAY	19194	17522-20866 (9%)	10	9-11 (9%)	16%
	HOLIDAY	20046	18240-21852 (9%)	11	10-12 (9%)	35%
	TOTAL	39240	36779-41701 (6%)	21	20-22 (6%)	26%
BOAT & SHORE	WEEKDAY	36630	33287-39974 (9%)	20	18-21 (9%)	15%
	HOLIDAY	42947	39075-46819 (9%)	23	21-25 (9%)	28%
	TOTAL	79577	74461-84693 (6%)	43	40-45 (6%)	22%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
73120	65045-81194 (11%)	.834	.754-.913 (10%)	96.93	39.23	All species
65	7-123 (89%)	.001	.000-.001 (86%)	0.09	0.04	Blue catfish
29	0-65 (125%)	.001	.000-.002 (142%)	0.04	0.02	Black bullhead
		****	NOT RECORDED ****			Black crappie
41206	34381-48031 (17%)	.439	.378-.501 (14%)	54.62	22.10	Bluegill
12	0-24 (105%)	.000	.000-.000 (284%)	0.02	0.01	Carp
22084	19080-25089 (14%)	.279	.238-.320 (15%)	29.27	11.85	Channel catfish
41	0-84 (105%)	.001	.000-.001 (113%)	0.05	0.02	Flathead catfish
244	135-353 (45%)	.002	.001-.003 (50%)	0.32	0.13	Freshwater drum
		****	NOT RECORDED ****			Green sunfish
		****	NOT RECORDED ****			Gizzard shad
11	0-24 (110%)	.000	.000-.000 (105%)	0.01	0.01	Largemouth bass
		****	NOT RECORDED ****			Sauger
1584	1012-2156 (36%)	.015	.008-.021 (45%)	2.10	0.85	Striped bass hybrid
227	4-449 (98%)	.003	.001-.005 (67%)	0.30	0.12	Smallmouth bass
		****	NOT RECORDED ****			Striped bass
9	0-21 (134%)	.000	.000-.000 (235%)	0.01	0.00	Walleye
885	477-1292 (46%)	.009	.004-.015 (54%)	1.17	0.47	White bass
149	0-444 (199%)	.001	.000-.002 (161%)	0.20	0.08	White crappie
2398	1613-3183 (33%)	.032	.021-.042 (33%)	3.18	1.29	Yellow bullhead
4176	2745-5607 (34%)	.051	.032-.070 (37%)	5.54	2.24	Yellow bass

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

KG HARVESTED	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
11856	10395-13316 (12%)	.126	.113-.139 (10%)	15.72	0.162	All species
33	5-61 (84%)	.000	.000-.000 (70%)	0.04	0.507	Blue catfish
9	0-21 (135%)	.000	.000-.001 (150%)	0.01	0.302	Black bullhead
		****	NOT RECORDED ****			Black crappie
2903	2338-3468 (19%)	.029	.024-.033 (16%)	3.85	0.070	Bluegill
13	0-28 (117%)	.000	.000-.000 (186%)	0.02	1.128	Carp
5796	5023-6569 (13%)	.068	.058-.077 (14%)	7.68	0.262	Channel catfish
19	3-36 (84%)	.000	.000-.001 (108%)	0.03	0.470	Flathead catfish
94	52-136 (45%)	.001	.000-.001 (53%)	0.12	0.386	Freshwater drum
		****	NOT RECORDED ****			Green sunfish
		****	NOT RECORDED ****			Gizzard shad
18	0-40 (114%)	.000	.000-.000 (108%)	0.02	1.635	Largemouth bass
		****	NOT RECORDED ****			Sauger
1218	404-2033 (67%)	.007	.004-.010 (42%)	1.62	0.769	Striped bass hybrid
368	19-717 (95%)	.005	.002-.008 (63%)	0.49	1.624	Smallmouth bass
		****	NOT RECORDED ****			Striped bass
10	0-25 (143%)	.000	.000-.000 (244%)	0.01	1.165	Walleye
152	85-220 (44%)	.002	.001-.002 (51%)	0.20	0.172	White bass
75	0-230 (205%)	.000	.000-.001 (173%)	0.10	0.507	White crappie
346	201-490 (42%)	.004	.003-.006 (40%)	0.46	0.144	Yellow bullhead
799	542-1056 (32%)	.010	.006-.013 (34%)	1.06	0.191	Yellow bass

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

LB HARVESTED	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
26137	22918-29356	(12%)	.278	.249-.306 (10%)	14.02	0.357	All species
73	12-134	(84%)	.001	.000-.001 (70%)	0.04	1.119	Blue catfish
19	0-45	(135%)	.001	.000-.001 (150%)	0.01	0.665	Black bullhead
			****	NOT RECORDED	****		Black crappie
6400	5154-7645	(19%)	.063	.053-.074 (16%)	3.43	0.155	Bluegill
29	0-63	(117%)	.000	.000-.001 (186%)	0.02	2.487	Carp
12778	11074-14483	(13%)	.149	.128-.171 (14%)	6.85	0.579	Channel catfish
43	7-79	(84%)	.001	.000-.002 (108%)	0.02	1.037	Flathead catfish
208	114-301	(45%)	.001	.001-.002 (53%)	0.11	0.851	Freshwater drum
			****	NOT RECORDED	****		Green sunfish
			****	NOT RECORDED	****		Gizzard shad
41	0-87	(114%)	.000	.000-.001 (108%)	0.02	3.605	Largemouth bass
			****	NOT RECORDED	****		Sauger
2686	891-4481	(67%)	.016	.009-.022 (42%)	1.44	1.696	Striped bass hybrid
812	42-1582	(95%)	.010	.004-.017 (63%)	0.44	3.580	Smallmouth bass
			****	NOT RECORDED	****		Striped bass
22	0-55	(143%)	.000	.000-.000 (244%)	0.01	2.568	Walleye
336	188-484	(44%)	.003	.002-.005 (51%)	0.18	0.380	White bass
166	0-507	(205%)	.001	.000-.002 (173%)	0.09	1.118	White crappie
762	444-1081	(42%)	.010	.006-.014 (40%)	0.41	0.318	Yellow bullhead
1762	1195-2329	(32%)	.021	.014-.029 (34%)	0.95	0.422	Yellow bass

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
179034	162640-195429 (9%)	2.078	1.928-2.229 (7%)	237.32	96.04	All species
121	0-243 (101%)	.001	.000-.002 (86%)	0.16	0.06	Blue catfish
45	1-89 (98%)	.001	.000-.002 (131%)	0.06	0.02	Black bullhead
24	0-59 (150%)	.000	.000-.001 (156%)	0.03	0.01	Black crappie
52661	44672-60649 (15%)	.565	.487-.643 (14%)	69.81	28.25	Bluegill
325	135-514 (58%)	.004	.001-.007 (66%)	0.43	0.17	Carp
37415	33562-41268 (10%)	.500	.445-.555 (11%)	49.60	20.07	Channel catfish
90	21-159 (77%)	.001	.000-.002 (69%)	0.12	0.05	Flathead catfish
4959	4126-5791 (17%)	.059	.046-.071 (21%)	6.57	2.66	Freshwater drum
395	0-1167 (196%)	.005	.000-.016 (234%)	0.52	0.21	Green sunfish
4	0-12 (236%)	.000	.000-.000 (236%)	0.00	0.00	Gizzard shad
1449	878-2020 (39%)	.016	.007-.024 (56%)	1.92	0.78	Largemouth bass
57	0-130 (126%)	.000	.000-.001 (120%)	0.08	0.03	Sauger
34168	29360-38975 (14%)	.384	.321-.446 (16%)	45.29	18.33	Striped bass hybrid
20402	17383-23421 (15%)	.232	.196-.267 (15%)	27.04	10.94	Smallmouth bass
23	0-54 (139%)	.000	.000-.001 (154%)	0.03	0.01	Striped bass
17	1-33 (94%)	.000	.000-.000 (111%)	0.02	0.01	Walleye
3304	1963-4644 (41%)	.031	.018-.045 (42%)	4.38	1.77	White bass
161	0-458 (184%)	.001	.000-.002 (146%)	0.21	0.09	White crappie
14491	12574-16409 (13%)	.184	.155-.213 (16%)	19.21	7.77	Yellow bullhead
8922	5907-11938 (34%)	.093	.067-.120 (29%)	11.83	4.79	Yellow bass

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

KG CAUGHT	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
27251	24140-30361 (11%)	.299	.258-.340 (14%)	36.12	0.152	All species
43	11-75 (75%)	.000	.000-.001 (73%)	0.06	0.354	Blue catfish
13	0-27 (104%)	.000	.000-.001 (139%)	0.02	0.295	Black bullhead
3	0-11 (242%)	.000	.000-.000 (219%)	0.00	0.131	Black crappie
3693	2999-4387 (19%)	.037	.029-.045 (22%)	4.89	0.070	Bluegill
166	62-269 (62%)	.002	.001-.004 (70%)	0.22	0.511	Carp
7668	6785-8552 (12%)	.093	.082-.104 (12%)	10.16	0.205	Channel catfish
68	0-162 (139%)	.001	.000-.001 (75%)	0.09	0.755	Flathead catfish
1658	1321-1994 (20%)	.021	.016-.027 (27%)	2.20	0.334	Freshwater drum
24	0-54 (127%)	.000	.000-.001 (195%)	0.03	0.061	Green sunfish
0	0-0 (236%)	.000	.000-.000 (245%)	0.00	0.037	Gizzard shad
676	357-996 (47%)	.008	.002-.013 (77%)	0.90	0.467	Largemouth bass
74	0-237 (219%)	.000	.000-.001 (212%)	0.10	1.295	Sauger
3875	2704-5045 (30%)	.033	.023-.043 (30%)	5.14	0.113	Striped bass hybrid
6194	4465-7924 (28%)	.067	.035-.100 (48%)	8.21	0.304	Smallmouth bass
2	0-4 (151%)	.000	.000-.000 (178%)	0.00	0.075	Striped bass
14	0-29 (112%)	.000	.000-.000 (142%)	0.02	0.822	Walleye
317	219-415 (31%)	.003	.002-.004 (33%)	0.42	0.096	White bass
78	0-233 (198%)	.000	.000-.001 (168%)	0.10	0.484	White crappie
1367	1148-1585 (16%)	.018	.014-.022 (21%)	1.81	0.094	Yellow bullhead
1319	880-1758 (33%)	.015	.011-.019 (28%)	1.75	0.148	Yellow bass

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

LB CAUGHT	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
60078	53221-66936 (11%)	.659	.569-.750 (14%)	32.23	0.336	All species
94	24-165 (75%)	.001	.000-.001 (73%)	0.05	0.781	Blue catfish
29	0-60 (104%)	.001	.000-.001 (139%)	0.02	0.651	Black bullhead
7	0-23 (242%)	.000	.000-.000 (219%)	0.00	0.289	Black crappie
8141	6611-9671 (19%)	.081	.063-.098 (22%)	4.37	0.155	Bluegill
365	137-594 (62%)	.005	.001-.008 (70%)	0.20	1.126	Carp
16906	14958-18854 (12%)	.205	.180-.229 (12%)	9.07	0.452	Channel catfish
149	0-357 (139%)	.002	.000-.003 (75%)	0.08	1.664	Flathead catfish
3655	2913-4396 (20%)	.047	.034-.060 (27%)	1.96	0.737	Freshwater drum
53	0-120 (127%)	.001	.000-.002 (195%)	0.03	0.134	Green sunfish
0	0-1 (236%)	.000	.000-.000 (236%)	0.00	0.081	Gizzard shad
1491	787-2195 (47%)	.017	.004-.029 (77%)	0.80	1.029	Largemouth bass
164	0-523 (219%)	.001	.000-.002 (212%)	0.09	2.854	Sauger
8542	5961-11123 (30%)	.072	.050-.094 (30%)	4.58	0.250	Striped bass hybrid
13656	9843-17469 (28%)	.149	.078-.220 (48%)	7.33	0.669	Smallmouth bass
4	0-9 (151%)	.000	.000-.000 (178%)	0.00	0.166	Striped bass
31	0-65 (112%)	.000	.000-.001 (142%)	0.02	1.813	Walleye
698	482-915 (31%)	.006	.004-.008 (33%)	0.37	0.211	White bass
172	0-513 (198%)	.001	.000-.002 (168%)	0.09	1.068	White crappie
3013	2531-3495 (16%)	.039	.031-.047 (21%)	1.62	0.208	Yellow bullhead
2908	1940-3876 (33%)	.033	.024-.042 (28%)	1.56	0.326	Yellow bass

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

	MEAN	95% CI		MIN	MAX	#SAMPLES
HOURS PER COMPLETED TRIP*						
BOAT	4.6	4.4-4.7	(3%)	0.8	11.0	798
SHORE	4.4	4.3-4.6	(4%)	0.2	11.9	721
BOAT & SHORE	4.5	4.4-4.6	(3%)	0.2	11.9	1519
MILES TRAVELED	76.1	73.9-78.2	(3%)	4	240	1829
SUCCESS RATING (1-10)	4.5	4.4-4.6	(3%)	1	10	1790

*824 samples were from split interviews of completed trips.
77.4% of all 1963 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 2 out of 1963 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	199	463	129	52	3					
SHORE INTERVIEWS	264	423	211	147	38	31	2	1		

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

794 (40.4%)	ANY	All species
392 (20.0%)	BLG	Bluegill
337 (17.2%)	BSS	Black bass spp.
235 (12.0%)	CCF	Channel catfish
1 (0.1%)	FRD	Freshwater drum
9 (0.5%)	LMB	Largemouth bass
1 (0.1%)	SAR	Sauger
39 (2.0%)	SBH	Striped bass hybrid (Wiper)
100 (5.1%)	SMB	Smallmouth bass
24 (1.2%)	STB	Striped bass
6 (0.3%)	WAE	Walleye
2 (0.1%)	WHB	White bass
19 (1.0%)	WHC	White crappie
4 (0.2%)	YLB	Yellow bass

Table 11 (continued). 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+
Striped bass hybrid (Wiper)																
HARVEST	3213	131	28	26	6	7	4	3	-	-	-	-	-	-	-	1
RELEASE	2084	198	232	227	155	136	79	57	66	34	28	15	16	18	8	66
Smallmouth bass																
HARVEST	3387	31	1	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2274	383	236	148	103	72	44	60	33	5	10	7	2	8	1	33
Striped bass																
HARVEST	3419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	3413	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Walleye																
HARVEST	3415	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	3415	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White bass																
HARVEST	3357	18	10	-	18	4	3	7	-	1	-	-	-	-	1	-
RELEASE	3334	38	18	9	1	3	6	3	3	-	-	-	-	-	-	4
White crappie																
HARVEST	3412	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	3417	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow bullhead																
HARVEST	3225	65	38	36	13	6	8	9	4	4	1	4	4	-	-	2
RELEASE	2598	224	163	106	75	78	49	43	31	14	8	9	11	-	2	8
Yellow bass																
HARVEST	3194	64	34	15	19	39	20	4	7	3	8	-	2	3	2	5
RELEASE	3260	47	21	25	22	7	7	5	6	-	12	1	-	-	-	6

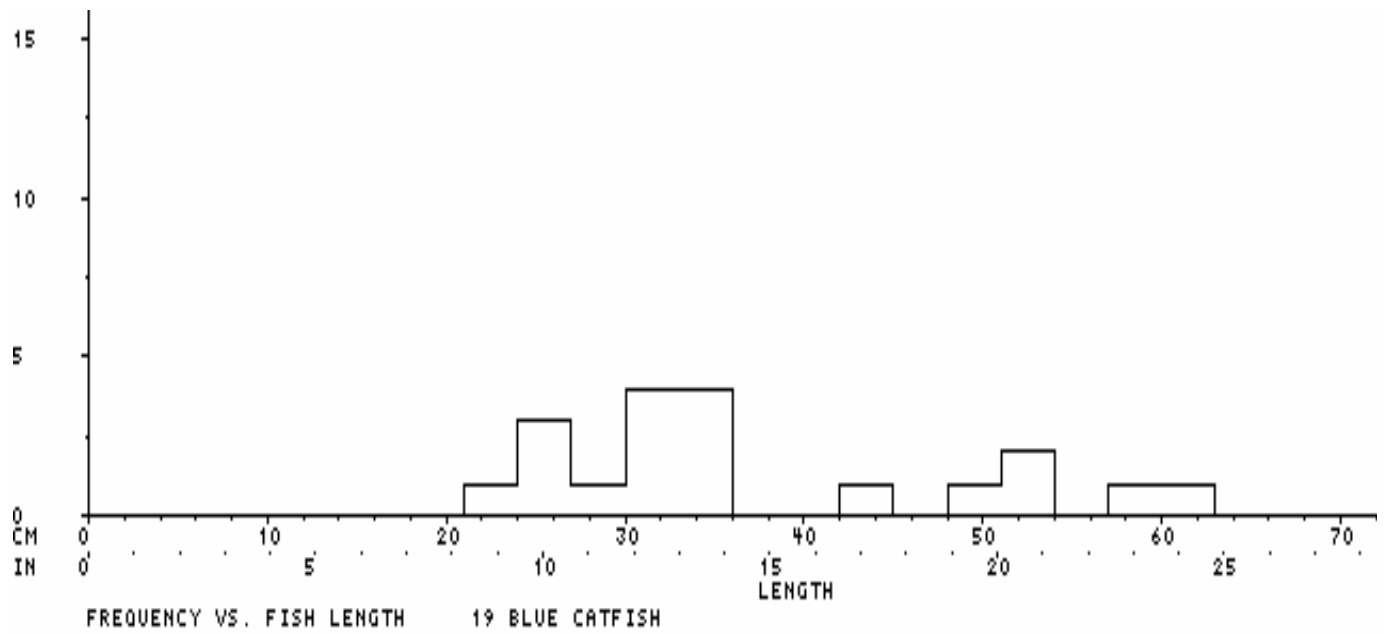


Figure 1. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of blue catfish harvested by all anglers.

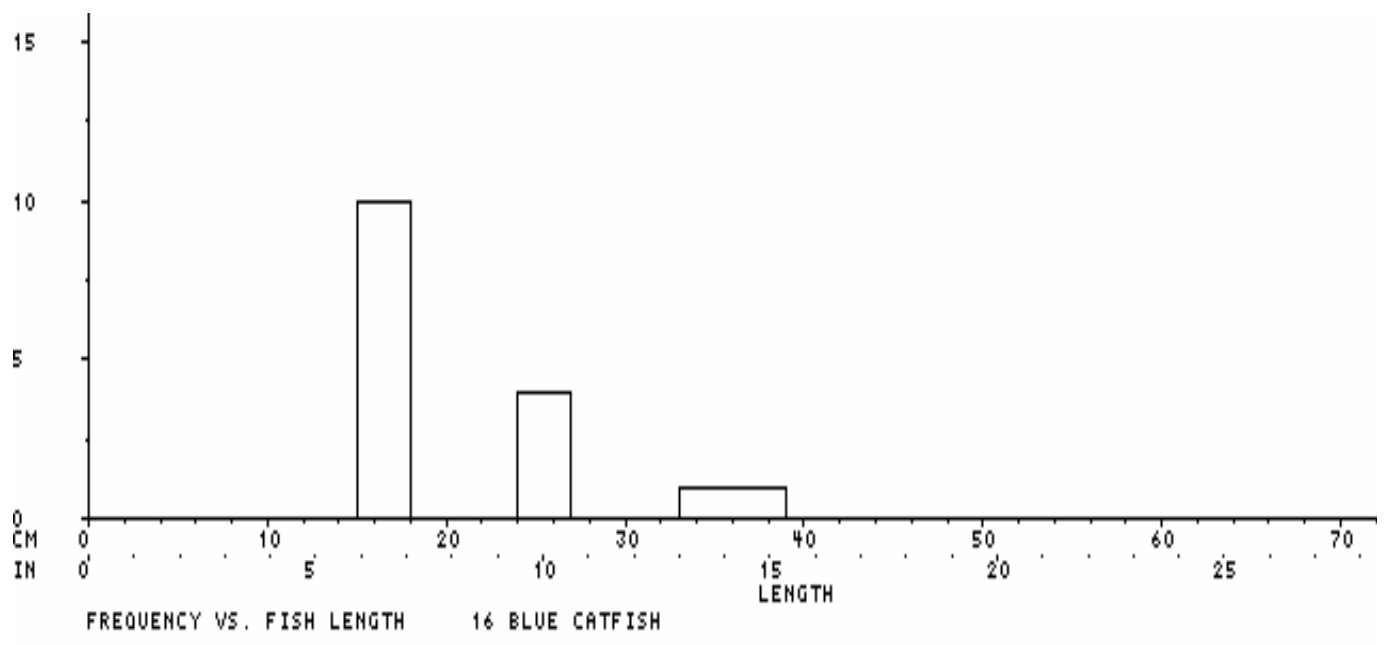


Figure 2. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of blue catfish released by all anglers.

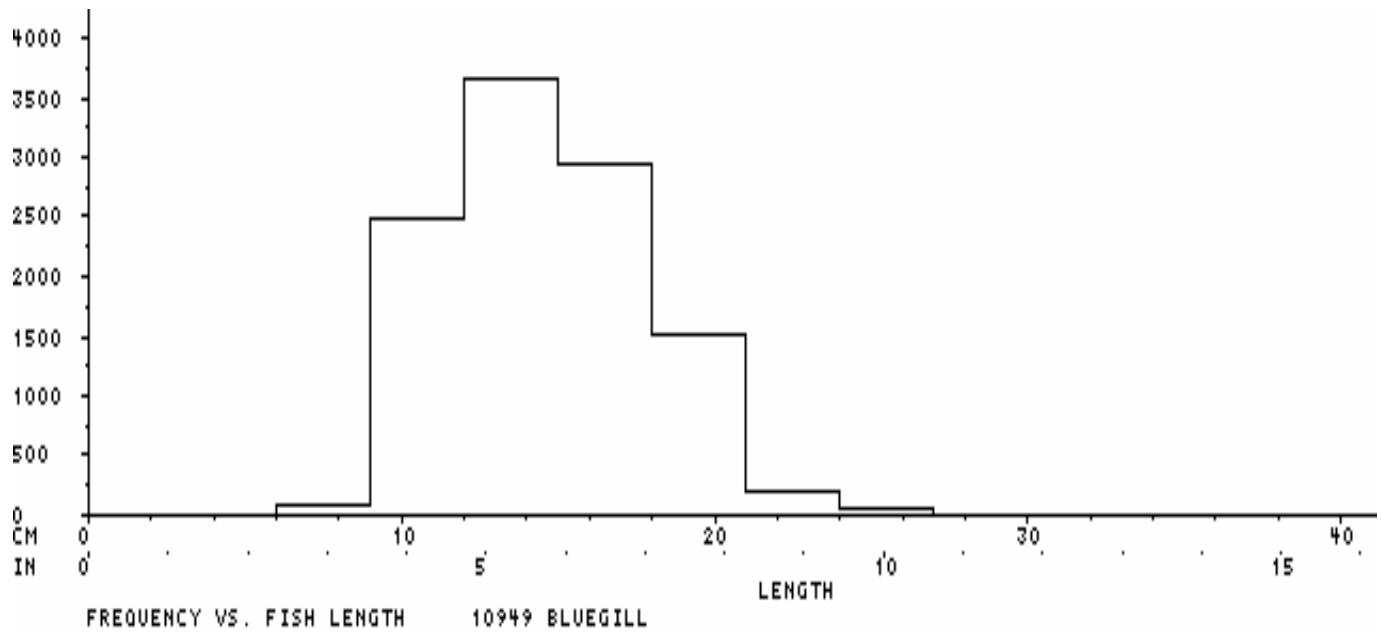


Figure 3. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of bluegill harvested by all anglers.

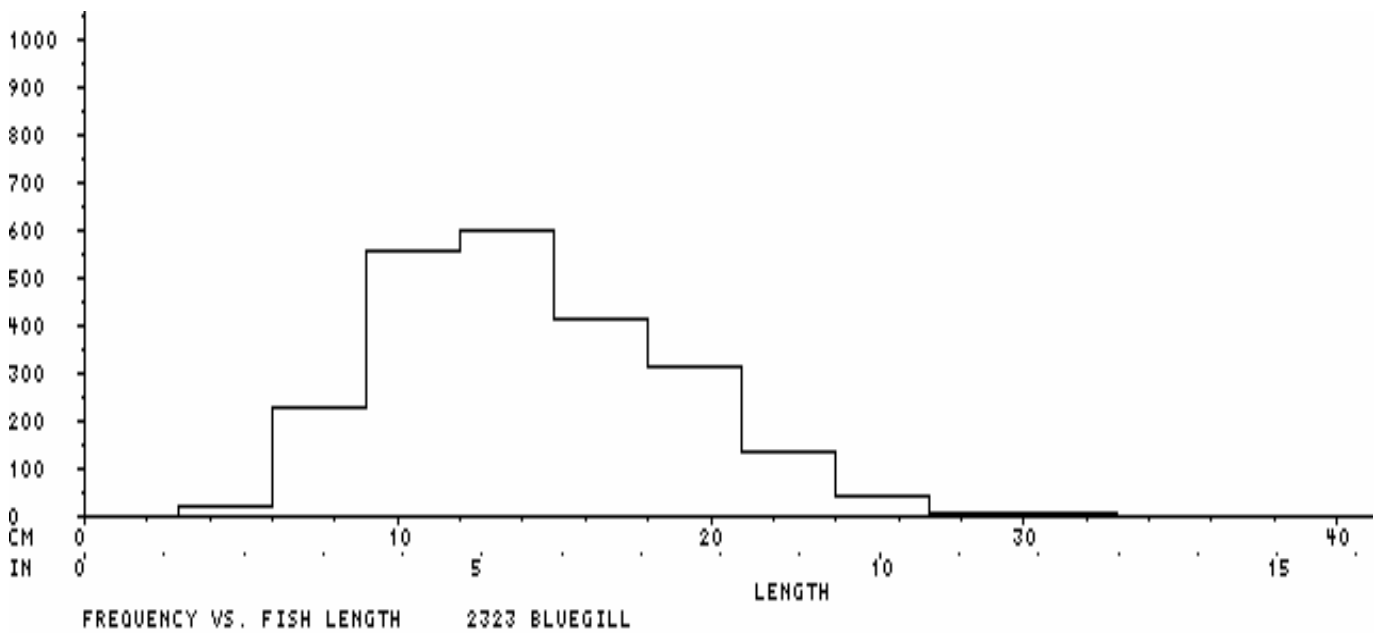


Figure 4. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of bluegill released by all anglers. Note the difference in scale from Figure 3.

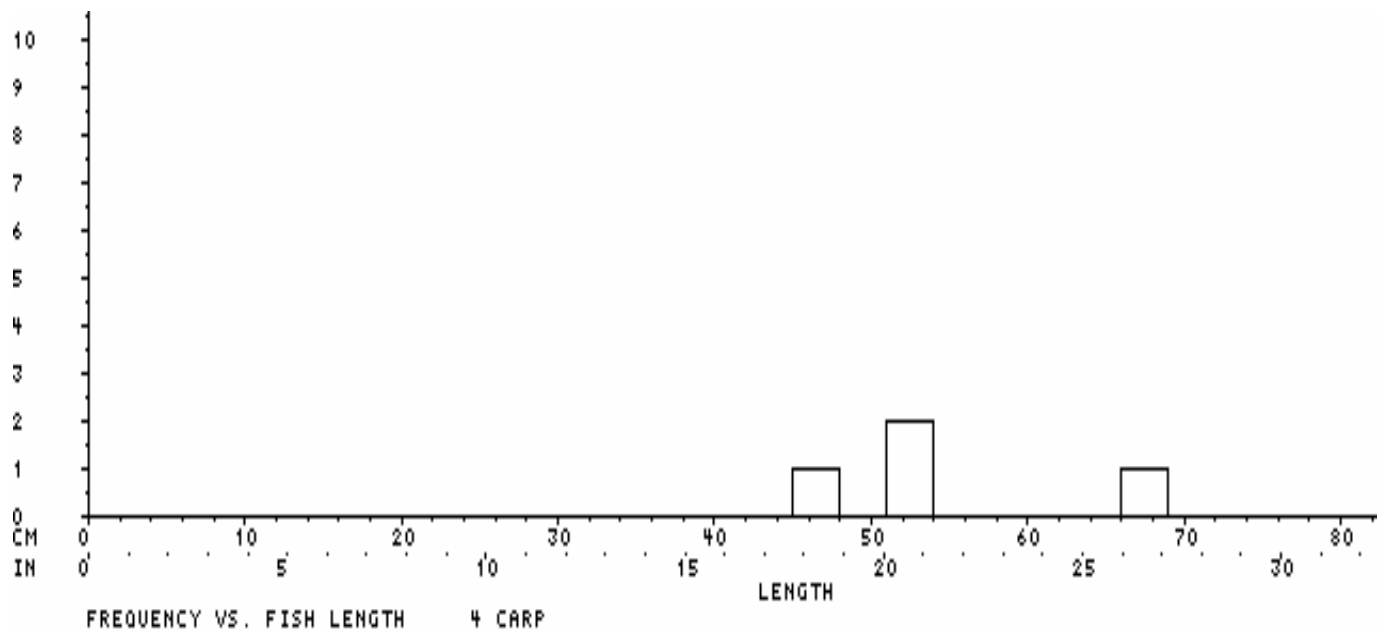


Figure 5. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of carp harvested by all anglers.

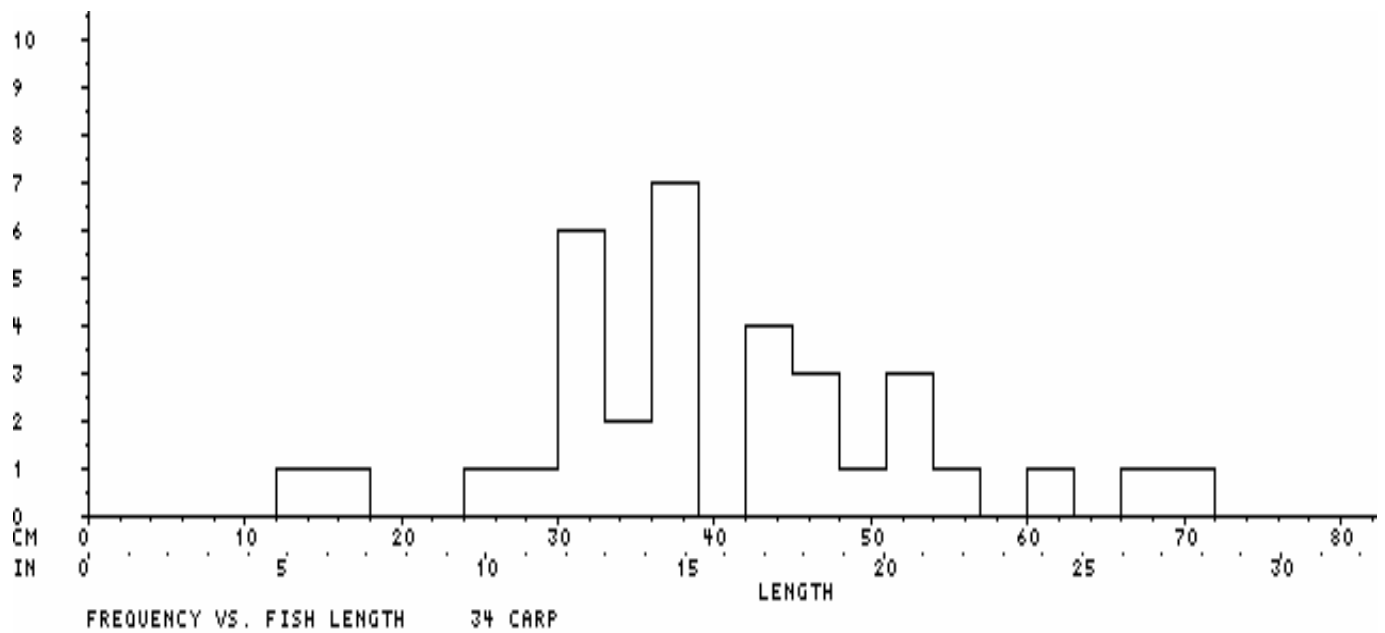


Figure 6. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of carp released by all anglers.

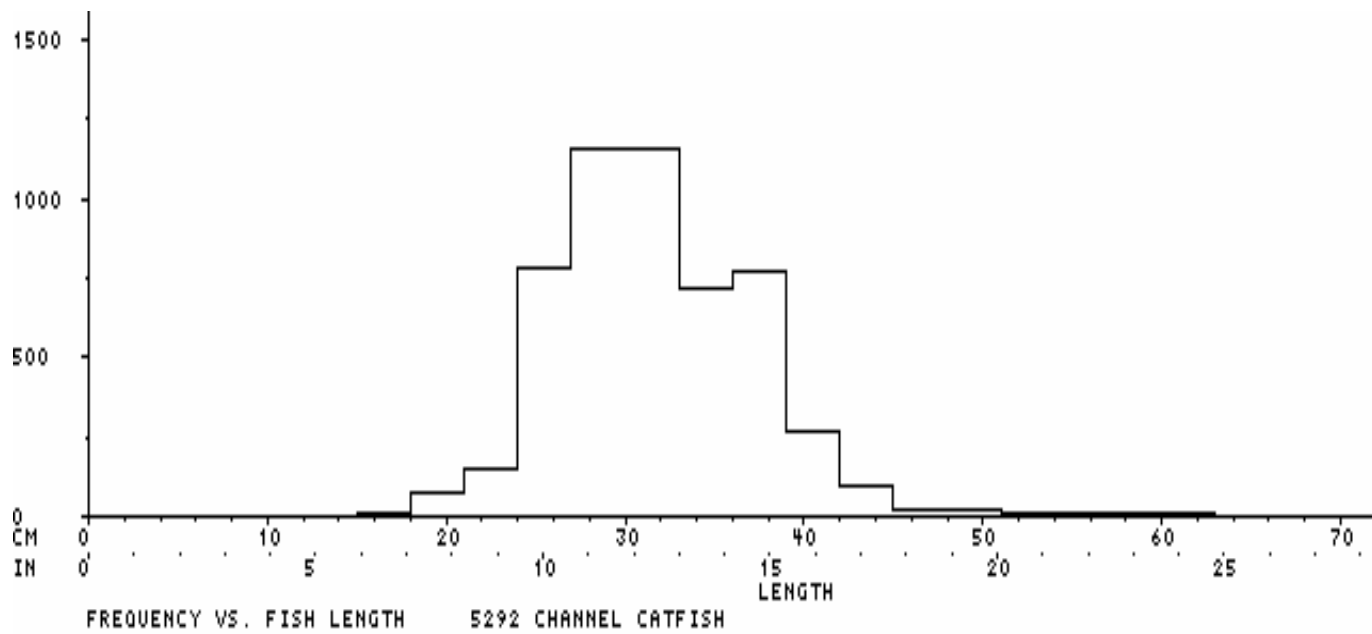


Figure 7. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of channel catfish harvested by all anglers.

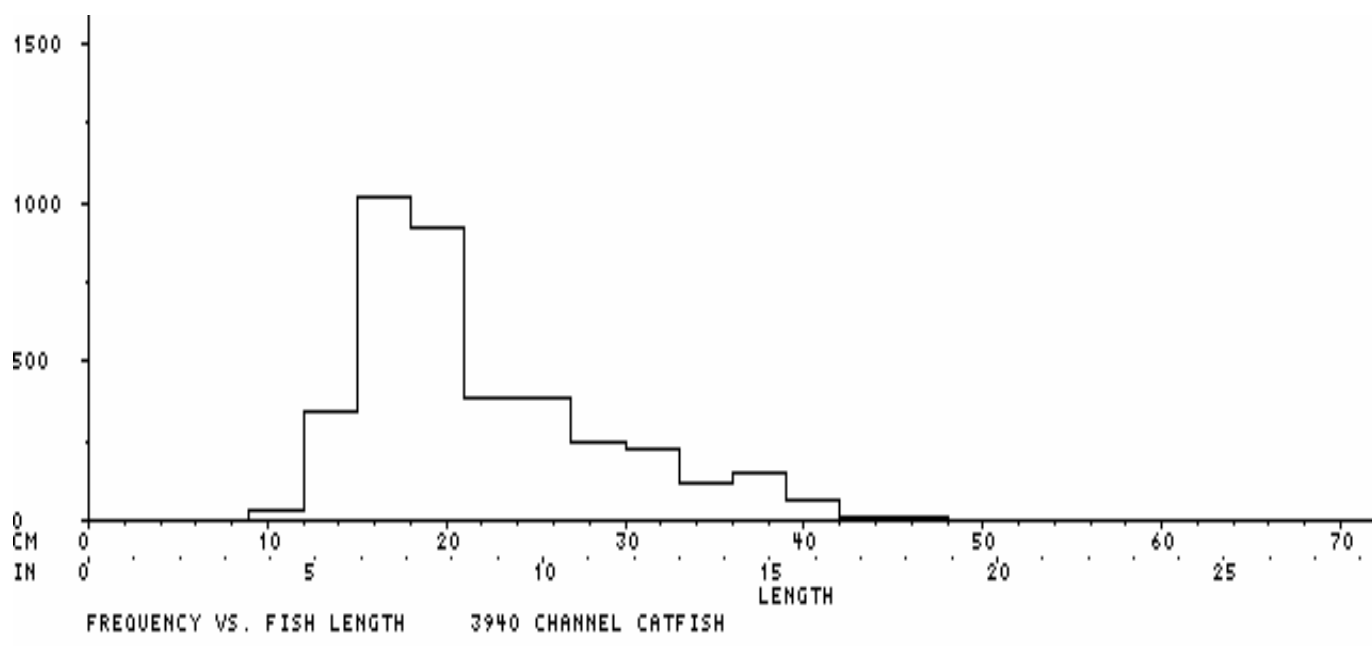


Figure 8. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of channel catfish released by all anglers.

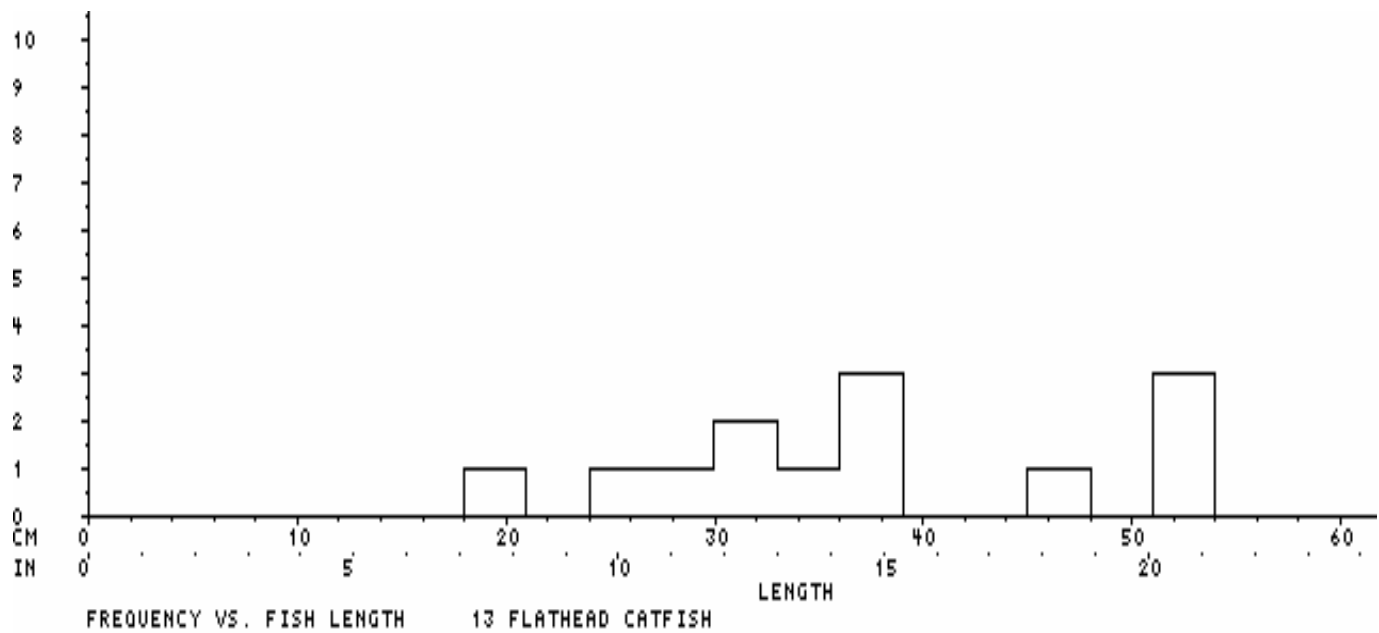


Figure 9. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of flathead catfish harvested by all anglers.

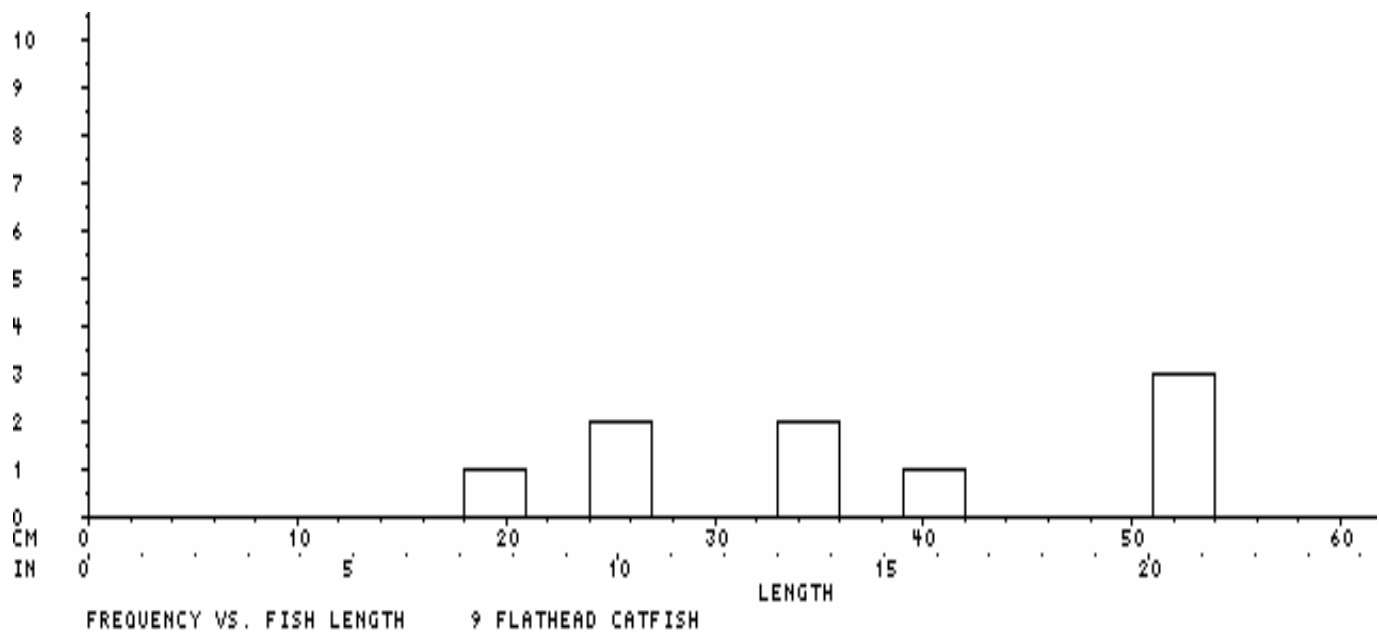


Figure 10. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of flathead catfish released by all anglers.

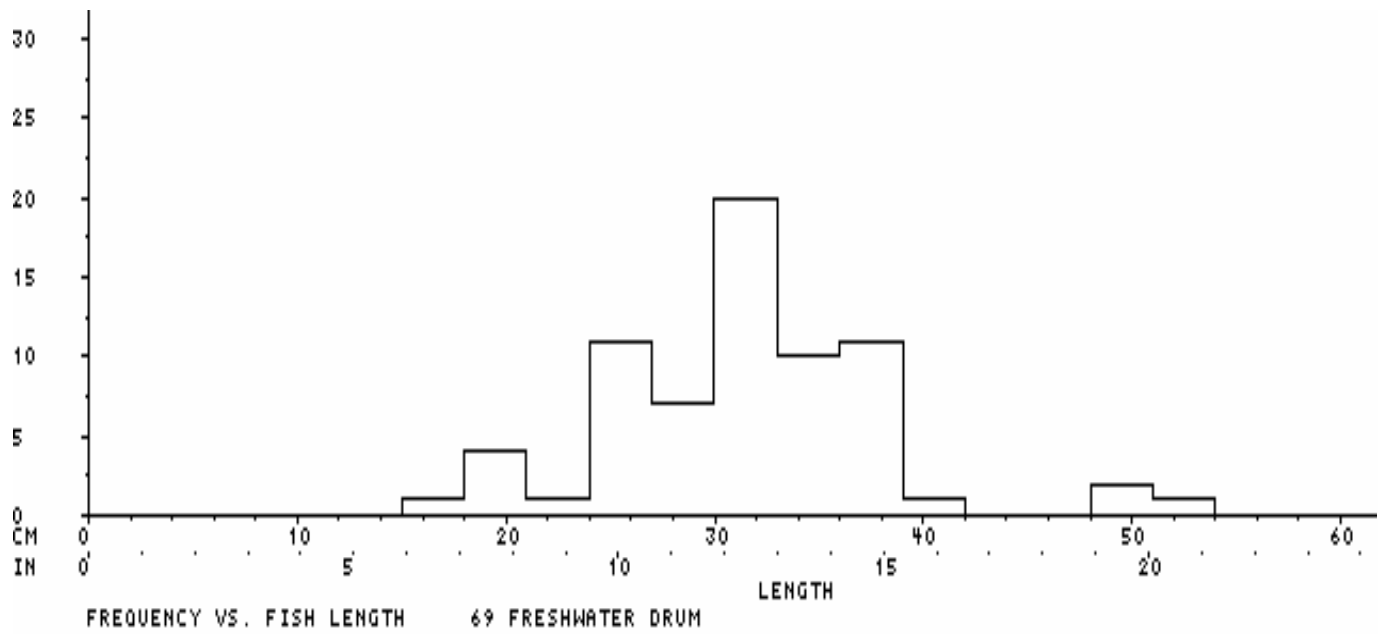


Figure 11. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of freshwater drum harvested by all anglers.

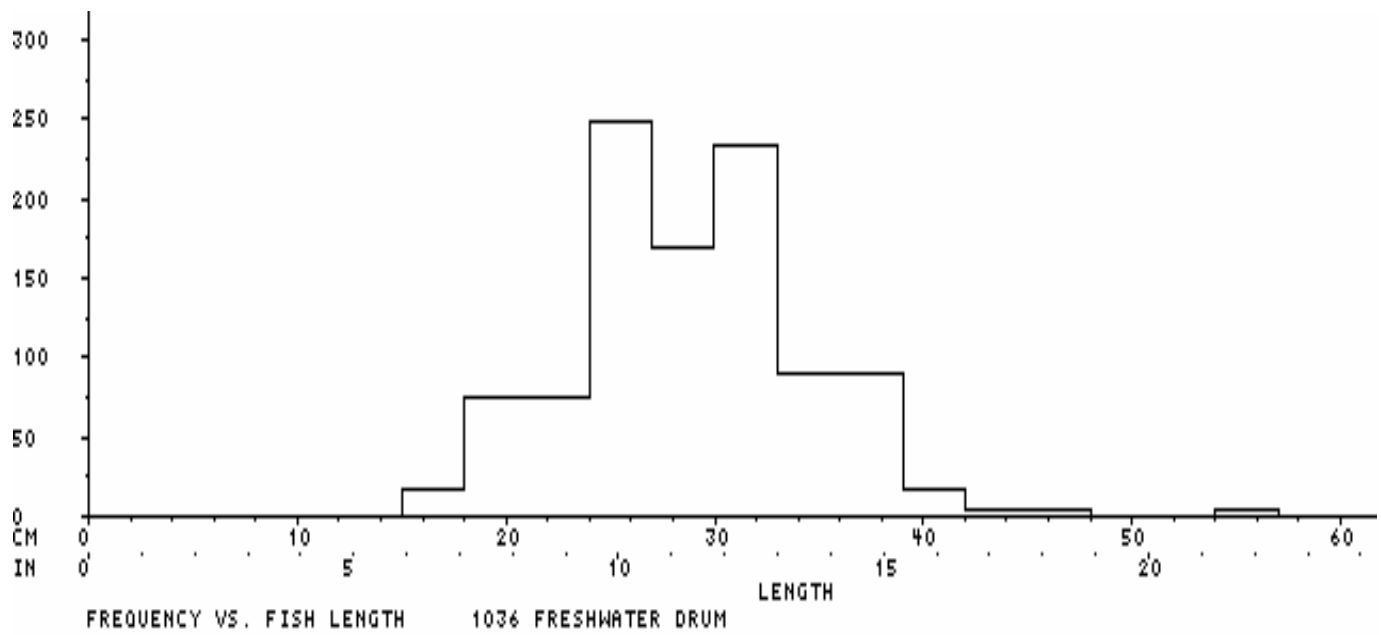


Figure 12. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of freshwater drum released by all anglers. Note the difference in scale from Figure 11.

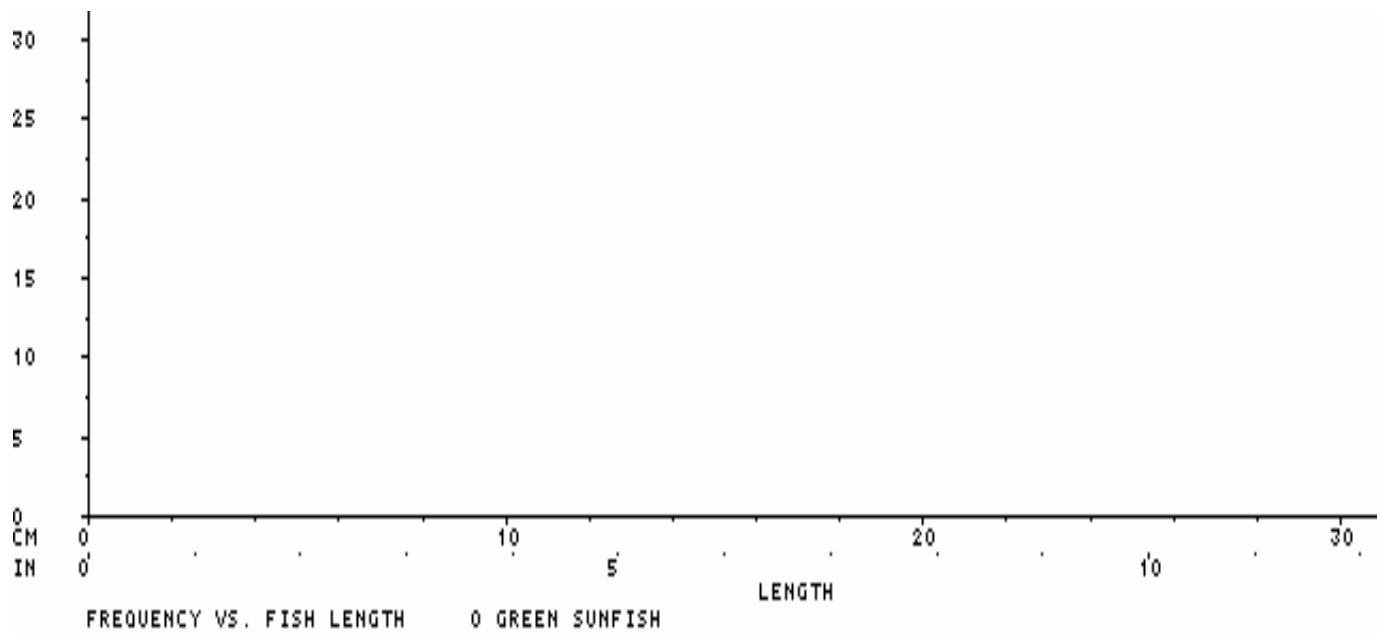


Figure 13. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of green sunfish harvested by all anglers.

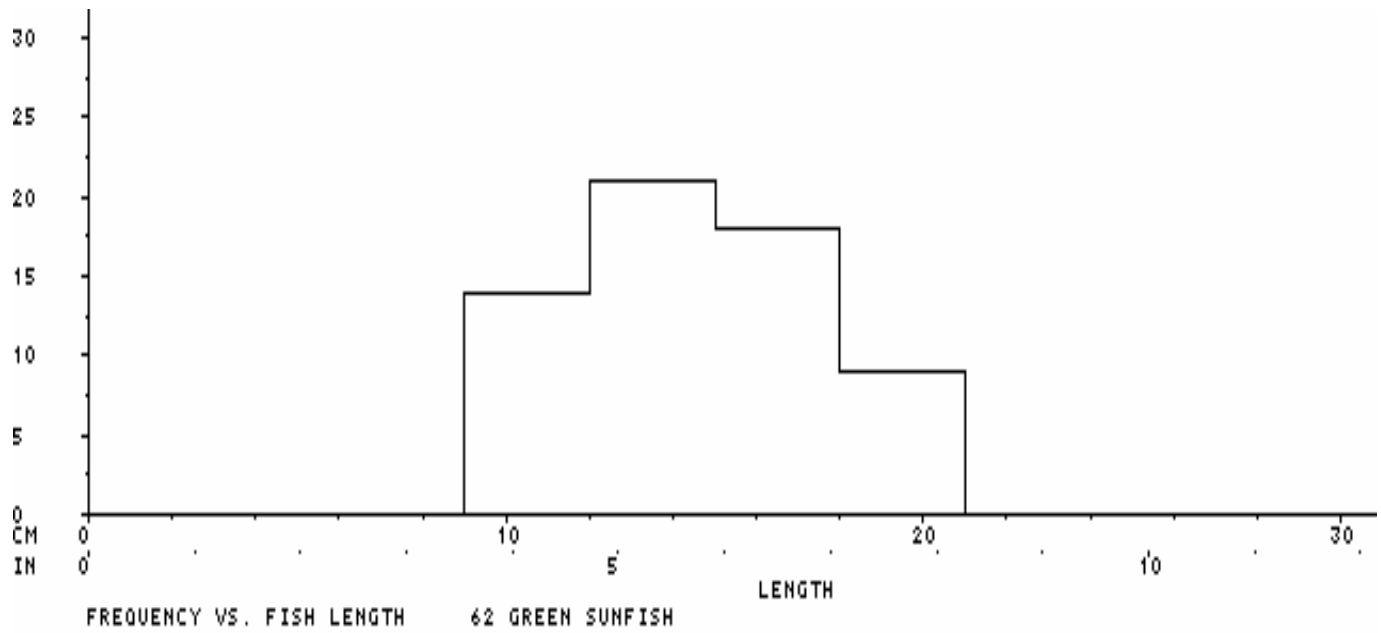


Figure 14. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of green sunfish released by all anglers.

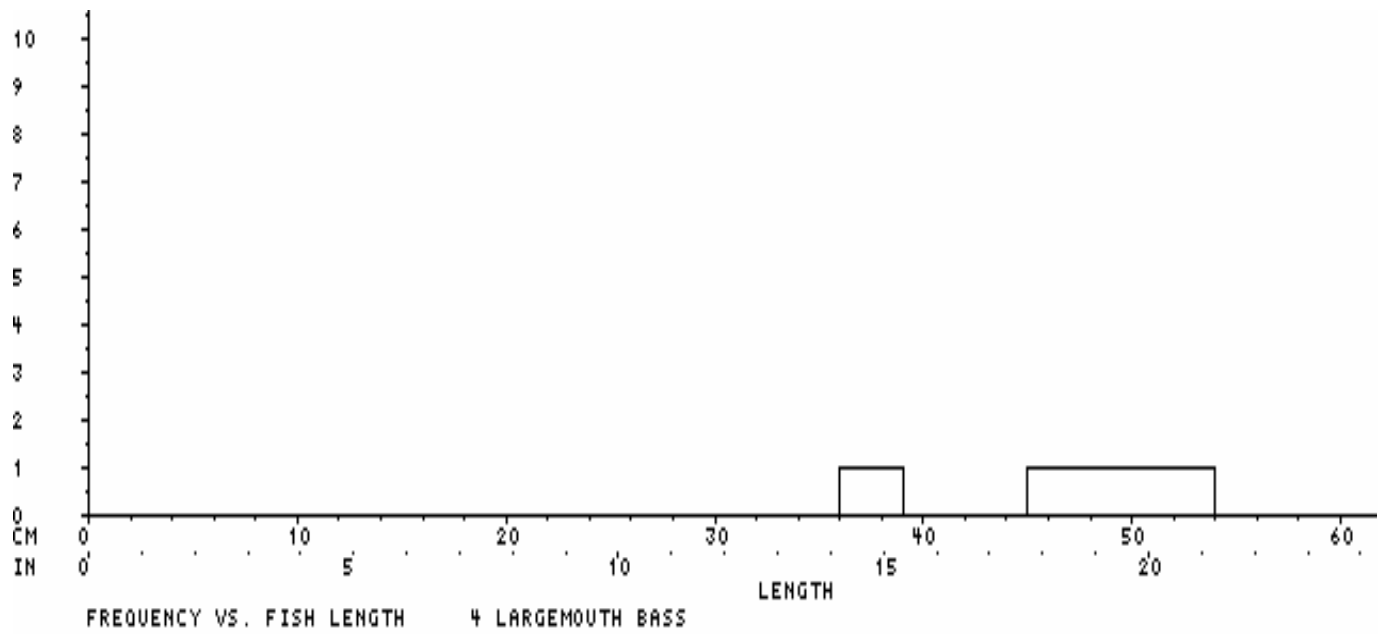


Figure 15. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of largemouth bass harvested by all anglers.

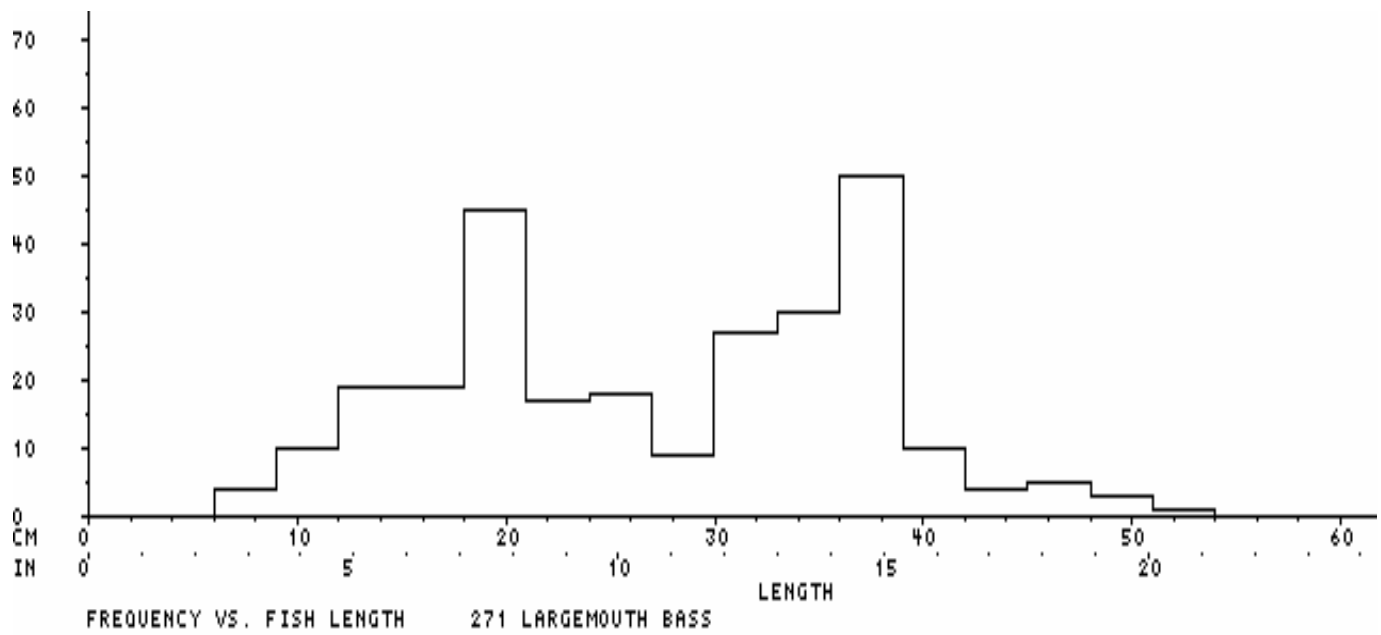


Figure 16. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of largemouth bass released by all anglers. Note the difference in scale from Figure 15.

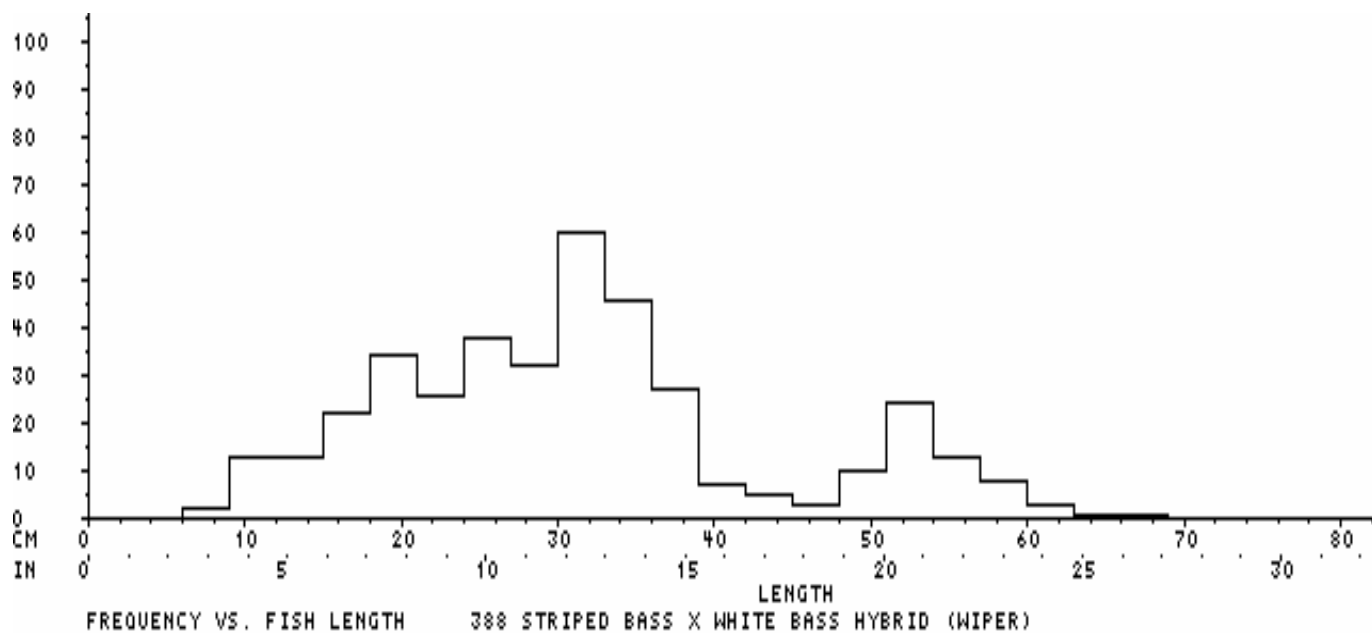


Figure 17. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of striped bass hybrid harvested by all anglers.

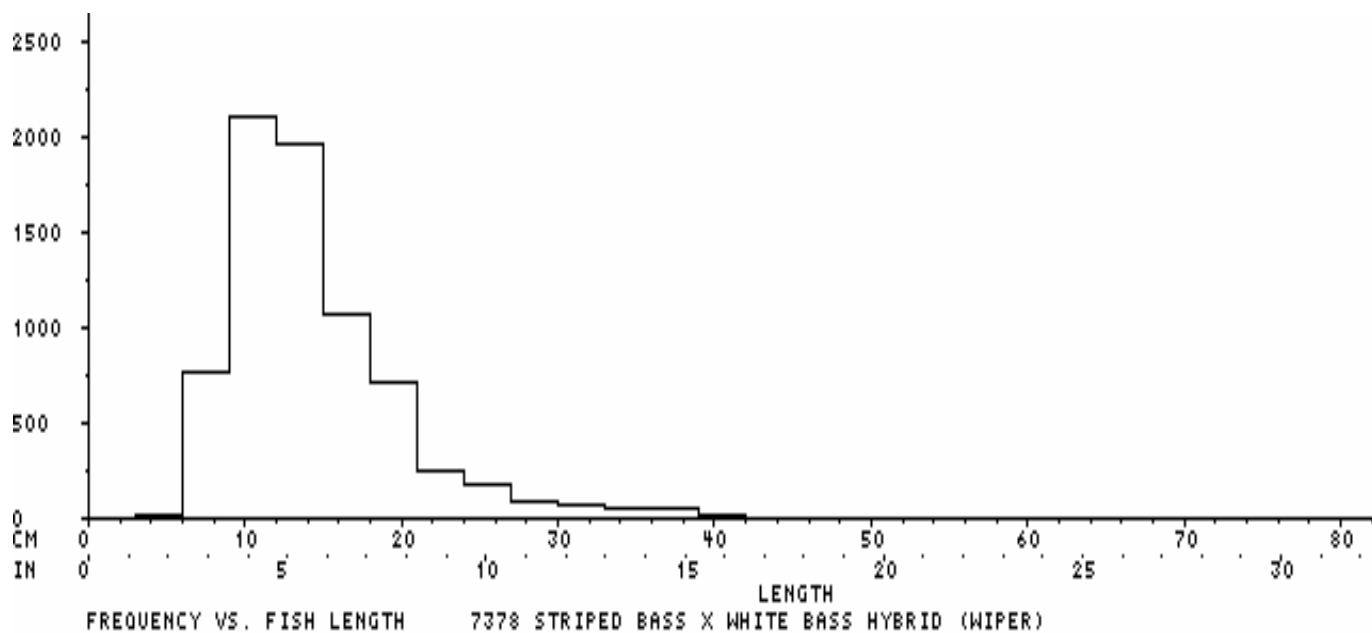


Figure 18. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of striped bass hybrid released by all anglers. Note the difference in scale from Figure 17.

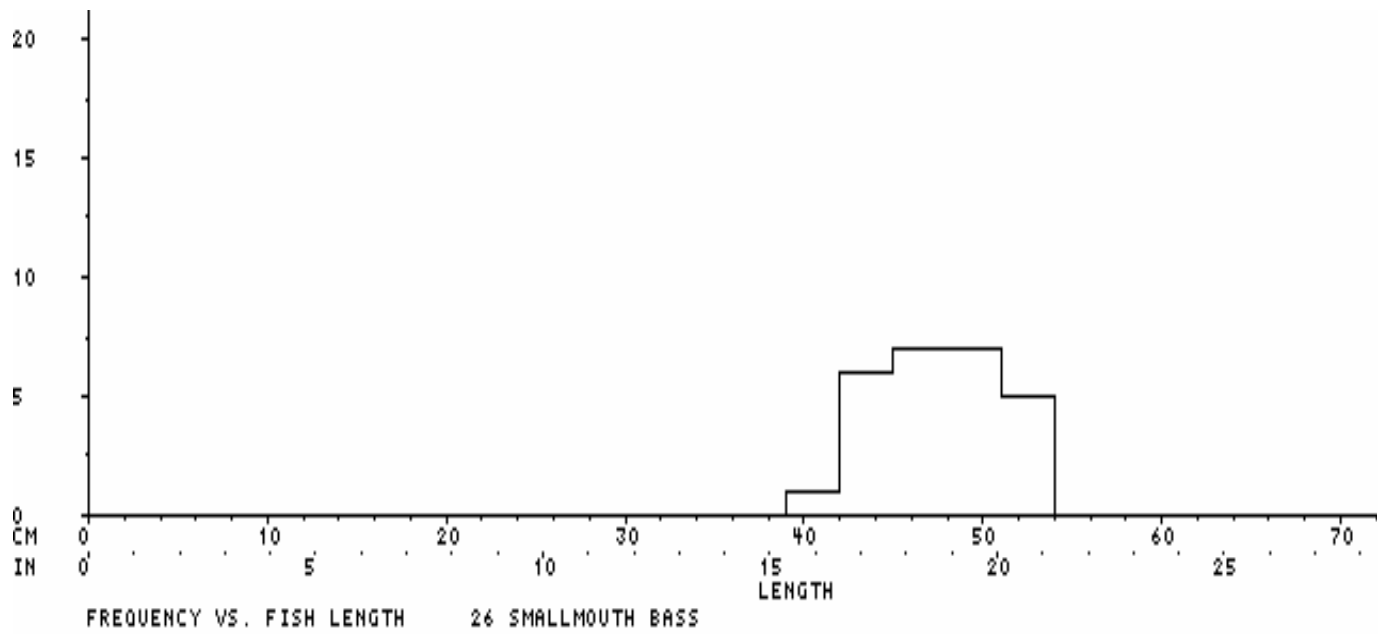


Figure 19. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of smallmouth bass harvested by all anglers.

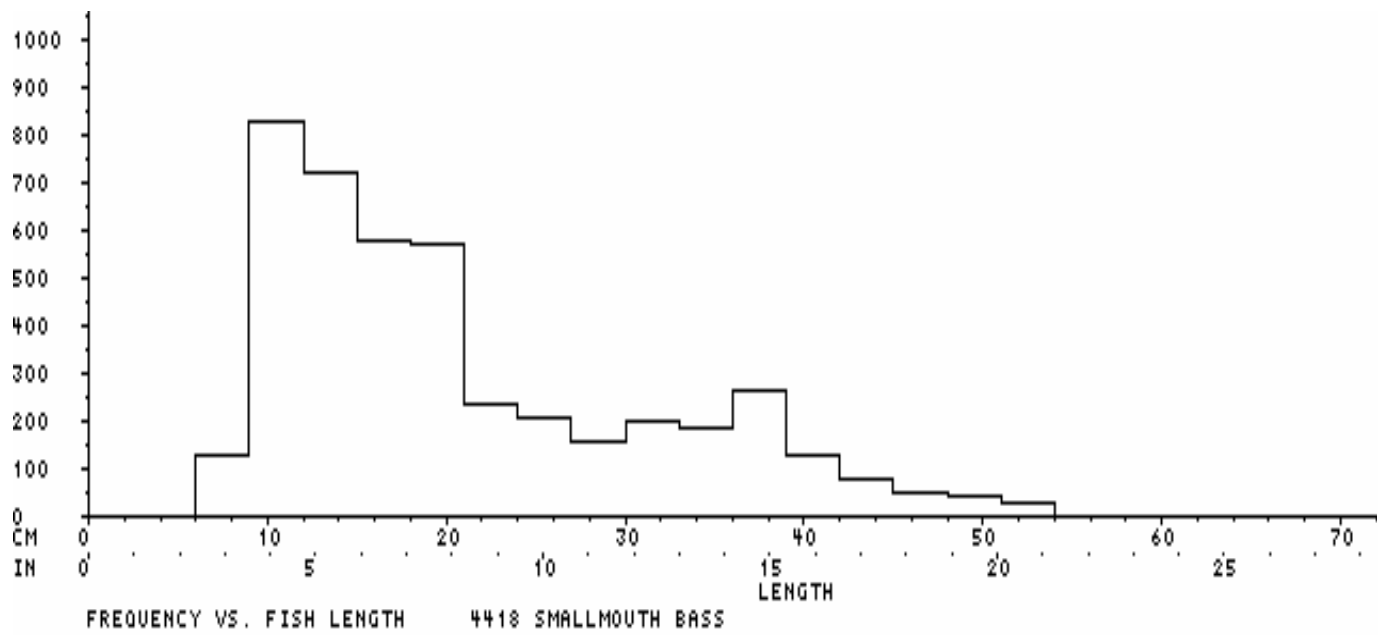


Figure 20. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of smallmouth bass released by all anglers. Note the difference in scale from Figure 19.

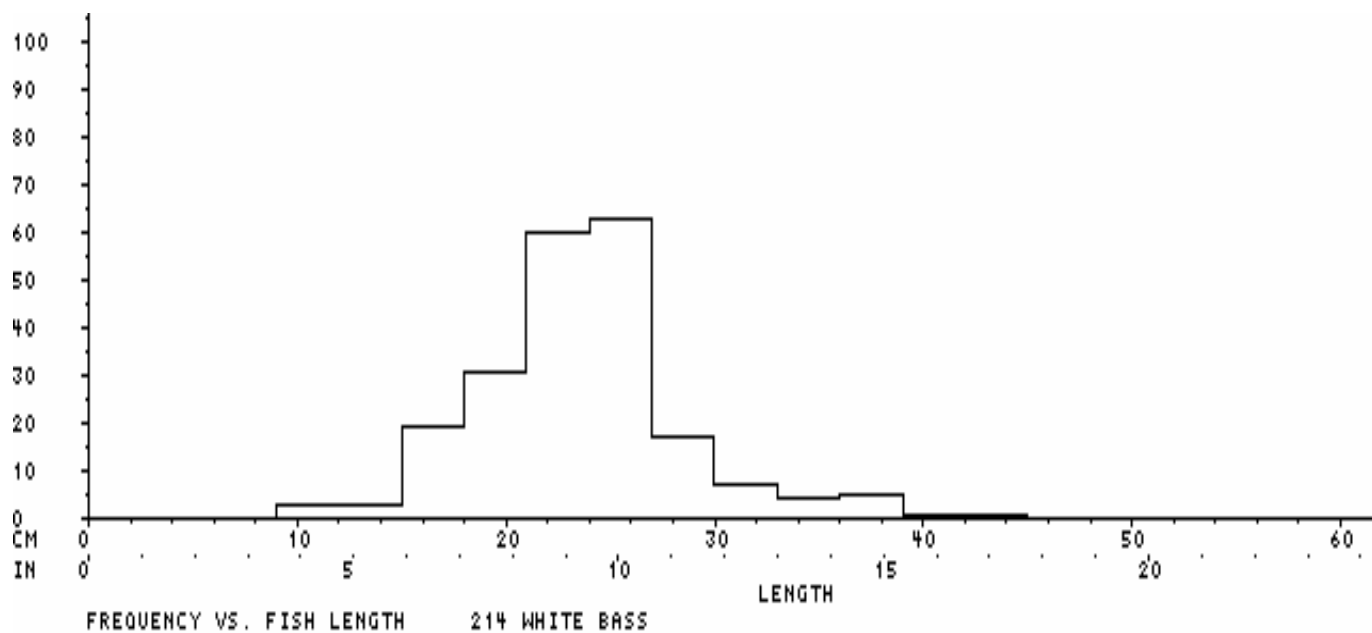


Figure 21. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of white bass harvested by all anglers.

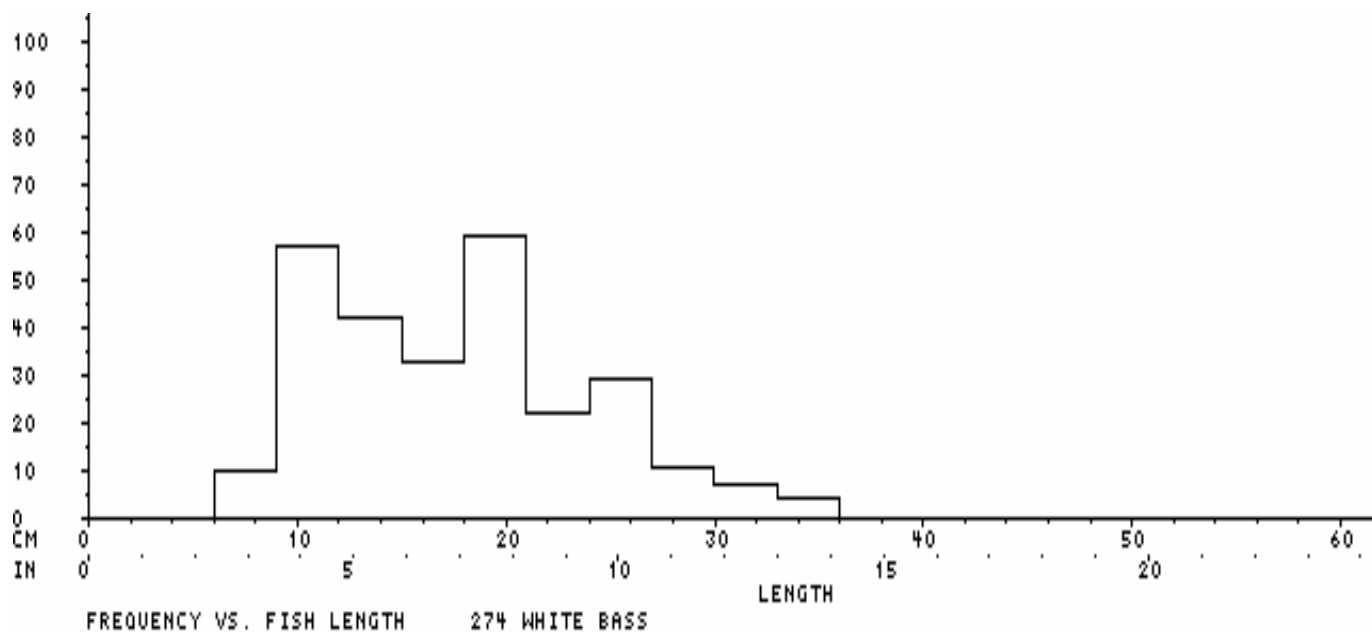


Figure 22. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of white bass released by all anglers.

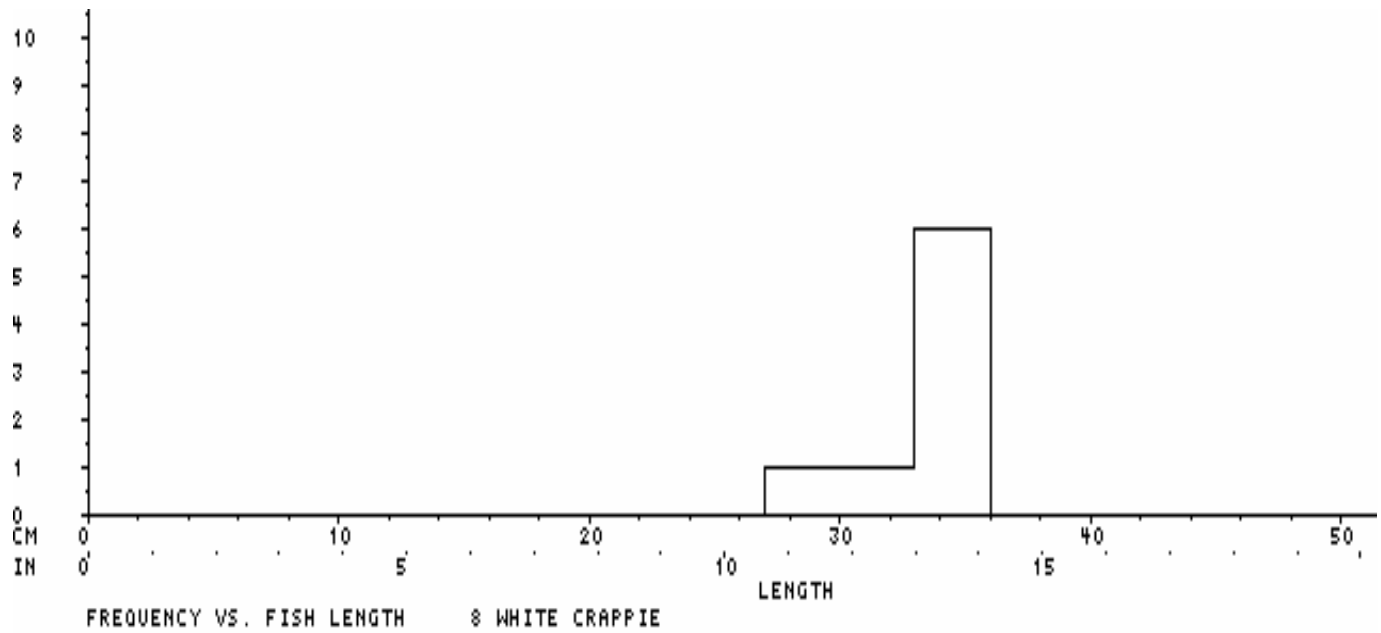


Figure 23. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of white crappie harvested by all anglers.

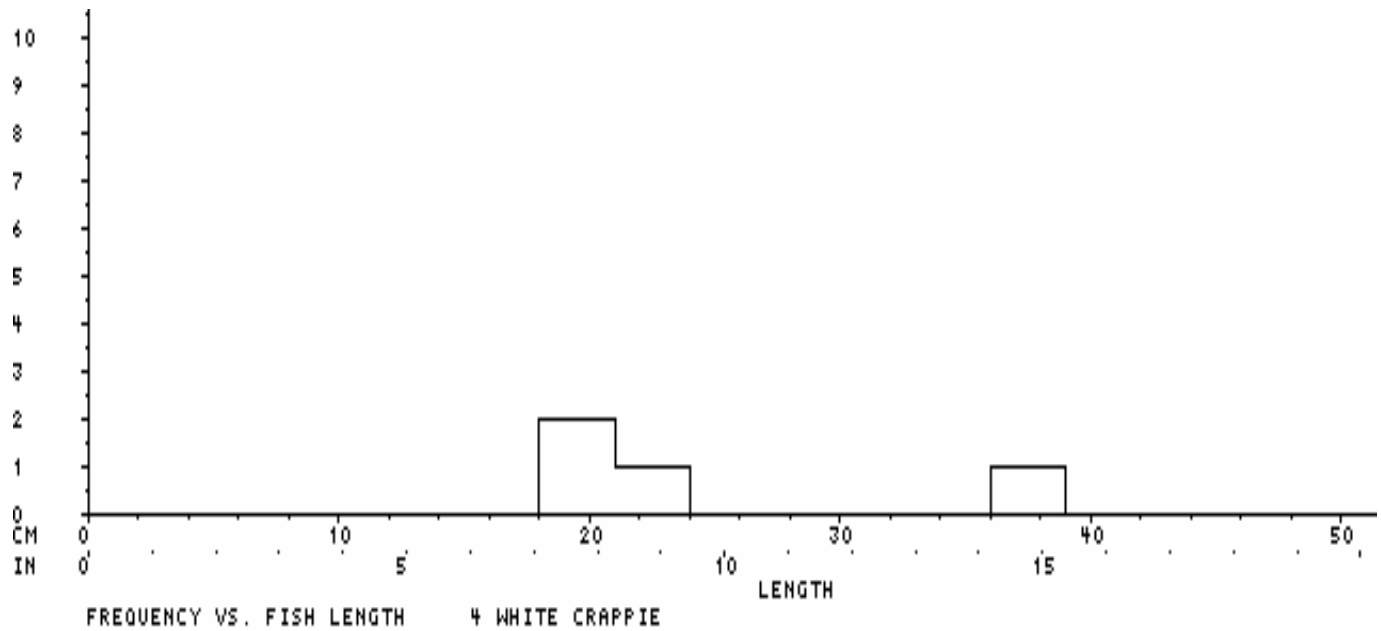


Figure 24. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of white crappie released by all anglers.

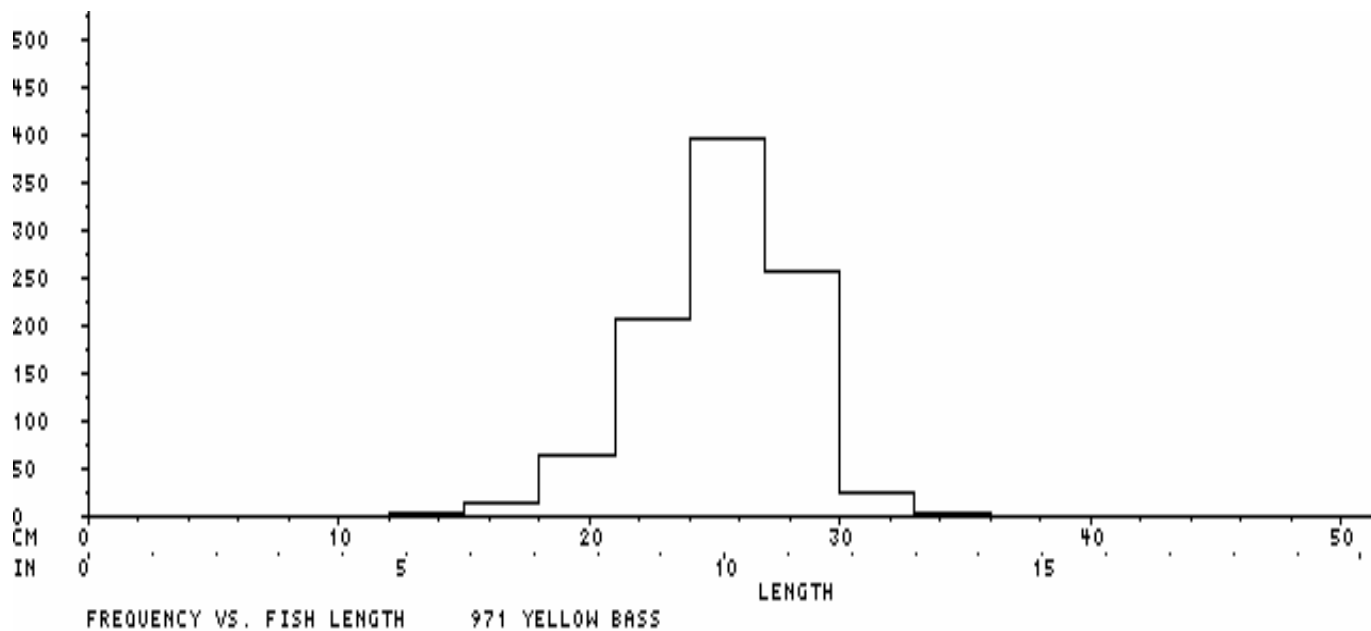


Figure 25. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of yellow bass harvested by all anglers.

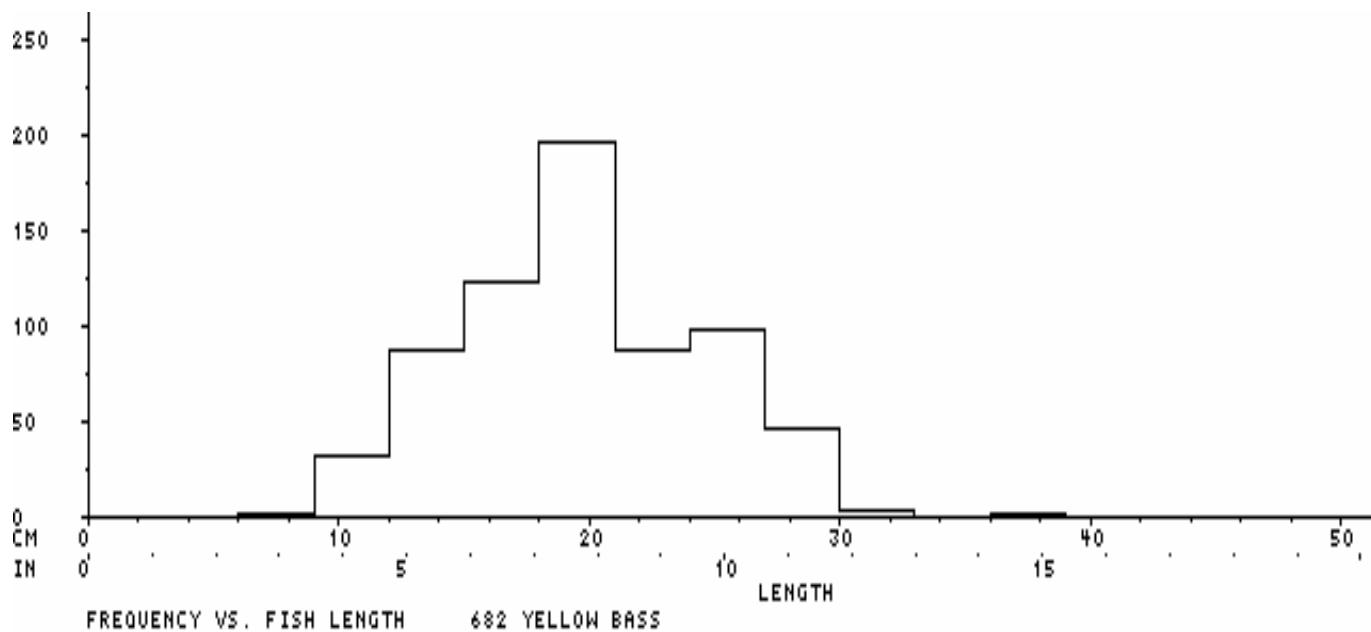


Figure 26. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of yellow bass released by all anglers. Note the difference in scale from Figure 25.

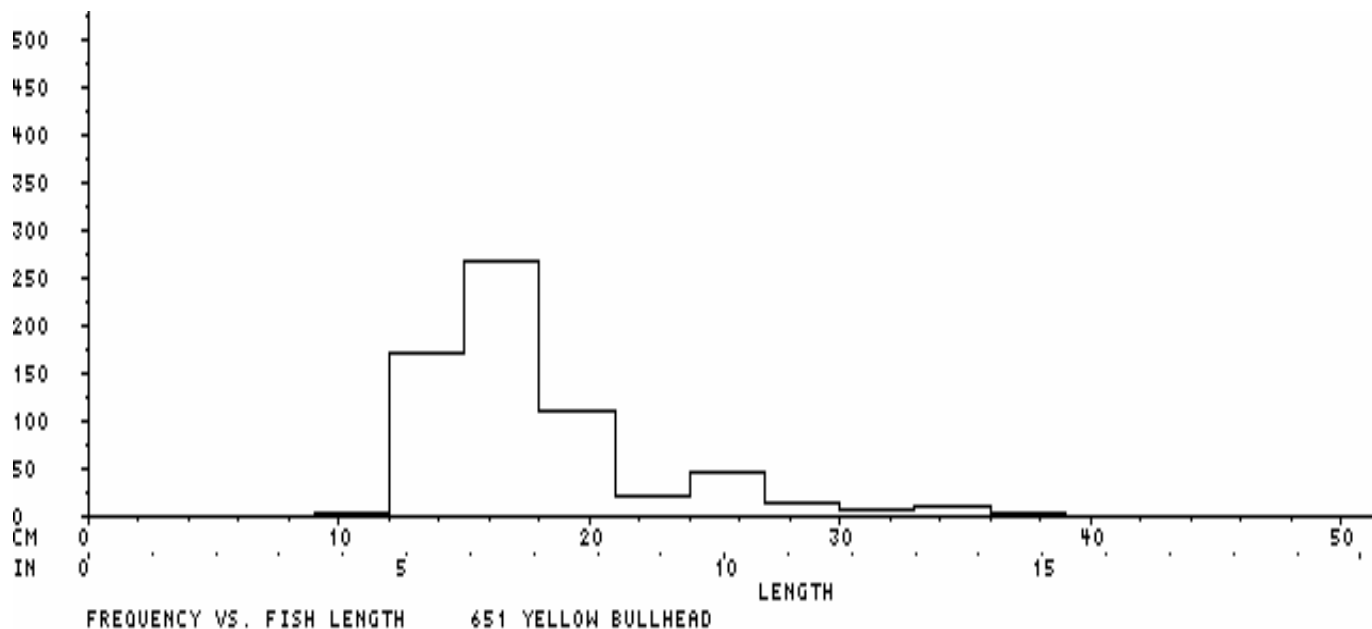


Figure 27. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of yellow bullhead harvested by all anglers.

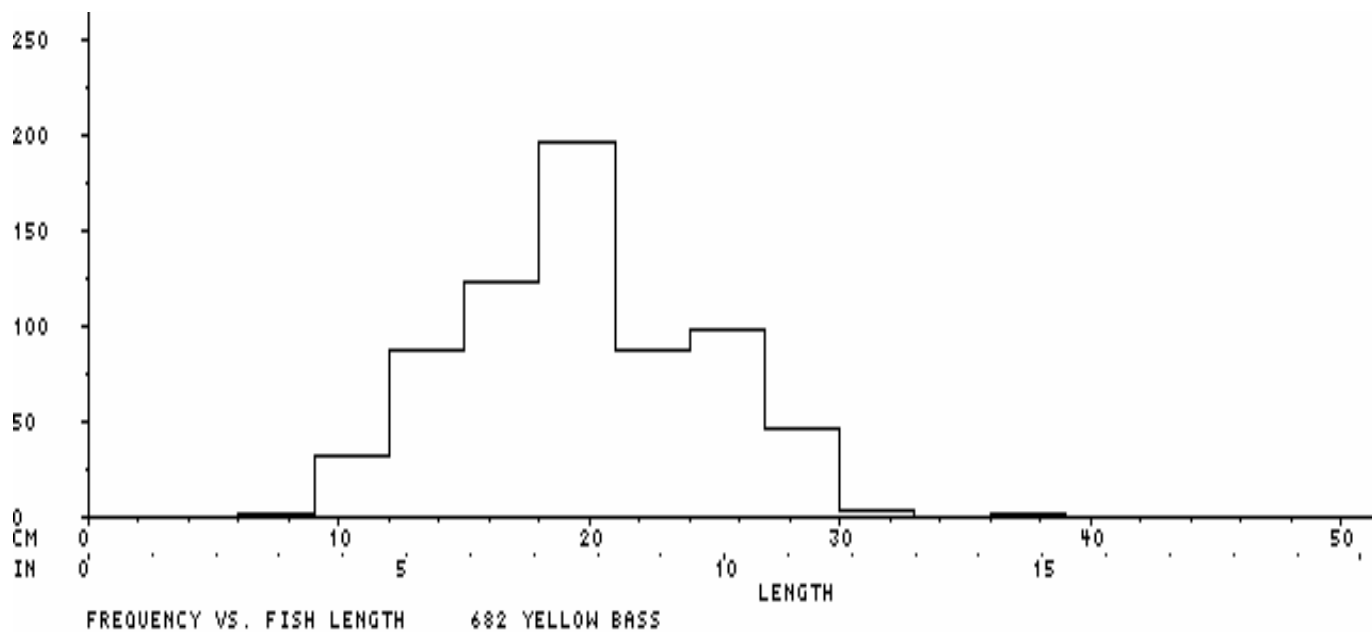


Figure 28. Lasalle Cooling Lake 2000 day creel 3/15 through 10/15. Length-frequency histogram of yellow bullhead released by all anglers. Note the difference in scale from Figure 27.