

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

2000 WOODS LAKE
 27 ACRES
 REGION 3, DISTRICT 11

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.
 Yearperiod 8 coalesced with yearperiod 9.

SAMPLING RATIO: 284/693 = 41.0%

NUMBER OF INTERVIEWS: 307

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	546	262-829 (52%)	20	10-31 (52%)	14%
	HOLIDAY	366	177-555 (52%)	14	7-21 (52%)	17%
	TOTAL	911	588-1235 (35%)	34	22-46 (35%)	15%
SHORE	WEEKDAY	1611	1213-2008 (25%)	60	45-75 (25%)	14%
	HOLIDAY	1746	1399-2092 (20%)	65	52-78 (20%)	22%
	TOTAL	3357	2829-3884 (16%)	125	105-144 (16%)	18%
BOAT & SHORE	WEEKDAY	2157	1676-2637 (22%)	80	62-98 (22%)	14%
	HOLIDAY	2112	1722-2501 (18%)	78	64-93 (18%)	21%
	TOTAL	4268	3649-4887 (14%)	159	136-182 (14%)	18%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
1006	701-1310 (30%)	.122	.080-.164 (35%)	92.40	37.40	All species
		****	NOT RECORDED ****			Black crappie
96	0-206 (115%)	.005	.000-.011 (103%)	8.79	3.56	Bluegill
		****	NOT RECORDED ****			Carp
390	204-576 (48%)	.041	.015-.067 (64%)	35.80	14.49	Channel catfish
13	0-41 (223%)	.001	.000-.004 (223%)	1.16	0.47	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
470	276-664 (41%)	.070	.036-.104 (48%)	43.17	17.47	Largemouth bass
38	0-80 (109%)	.005	.000-.010 (105%)	3.49	1.41	White crappie
		****	NOT RECORDED ****			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
702	473-931 (33%)	.094	.058-.129 (38%)	64.51	0.698	All species
		****	NOT RECORDED ****			Black crappie
15	0-32 (117%)	.001	.000-.002 (141%)	1.37	0.156	Bluegill
		****	NOT RECORDED ****			Carp
213	101-325 (52%)	.022	.010-.033 (55%)	19.57	0.547	Channel catfish
2	0-7 (223%)	.000	.000-.001 (223%)	0.20	0.176	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
450	252-647 (44%)	.069	.035-.102 (49%)	41.30	0.957	Largemouth bass
23	0-49 (117%)	.003	.000-.005 (116%)	2.07	0.593	White crappie
		****	NOT RECORDED ****			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
1548	1044-2053 (33%)	.207	.129-.285 (38%)	57.56	1.539	All species
		****	NOT RECORDED ****			Black crappie
33	0-71 (117%)	.002	.000-.005 (141%)	1.23	0.345	Bluegill
		****	NOT RECORDED ****			Carp
470	224-716 (52%)	.047	.021-.074 (55%)	17.46	1.205	Channel catfish
5	0-16 (220%)	.001	.000-.002 (220%)	0.18	0.388	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
991	555-1427 (44%)	.151	.078-.225 (49%)	36.84	2.109	Largemouth bass
50	0-108 (117%)	.006	.000-.012 (116%)	1.84	1.306	White crappie
		****	NOT RECORDED ****			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
8279	6661-9898	(20%)	.936	.756-1.117 (19%)	760.54	307.79	All species
29	0-103	(250%)	.031	.000-.120 (291%)	2.69	1.09	Black crappie
2355	1744-2967	(26%)	.264	.198-.330 (25%)	216.34	87.55	Bluegill
15	0-31	(102%)	.001	.000-.003 (119%)	1.40	0.57	Carp
1577	1157-1997	(27%)	.180	.128-.231 (29%)	144.87	58.63	Channel catfish
248	86-409	(65%)	.023	.007-.038 (69%)	22.76	9.21	Green sunfish
43	0-109	(152%)	.003	.000-.009 (195%)	3.97	1.61	Gizzard shad
2093	1533-2653	(27%)	.292	.203-.382 (31%)	192.22	77.79	Largemouth bass
1896	628-3165	(67%)	.141	.059-.223 (58%)	174.21	70.50	White crappie
22	0-52	(131%)	.001	.000-.004 (145%)	2.06	0.83	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
1685	1314-2056	(22%)	.228	.171-.284 (25%)	154.78	0.204	All species
1	0-2	(152%)	.001	.000-.001 (152%)	0.07	0.027	Black crappie
359	248-469	(31%)	.047	.034-.061 (29%)	32.96	0.152	Bluegill
12	0-34	(179%)	.001	.000-.003 (166%)	1.12	0.800	Carp
362	223-502	(38%)	.039	.025-.053 (37%)	33.26	0.230	Channel catfish
35	12-58	(65%)	.004	.001-.006 (84%)	3.23	0.142	Green sunfish
1	0-2	(153%)	.000	.000-.000 (197%)	0.06	0.015	Gizzard shad
791	519-1063	(34%)	.125	.078-.172 (38%)	72.67	0.378	Largemouth bass
118	65-171	(45%)	.011	.006-.015 (46%)	10.86	0.062	White crappie
6	0-14	(132%)	.001	.000-.002 (189%)	0.54	0.261	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
3715	2897-4532	(22%)	.502	.377-.627 (25%)	138.09	0.449	All species
2	0-4	(152%)	.001	.000-.003 (152%)	0.07	0.060	Black crappie
791	547-1035	(31%)	.104	.074-.135 (29%)	29.41	0.336	Bluegill
27	0-75	(179%)	.003	.000-.007 (166%)	1.00	1.763	Carp
798	491-1106	(38%)	.086	.054-.118 (37%)	29.68	0.506	Channel catfish
78	27-128	(65%)	.008	.001-.014 (84%)	2.88	0.313	Green sunfish
1	0-4	(153%)	.000	.000-.000 (197%)	0.05	0.033	Gizzard shad
1744	1145-2343	(34%)	.275	.172-.379 (38%)	64.83	0.833	Largemouth bass
261	144-378	(45%)	.023	.013-.034 (46%)	9.69	0.137	White crappie
13	0-30	(132%)	.001	.000-.004 (189%)	0.48	0.575	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	1.7	1.4-2.0 (18%)	0.8	5.2	30
SHORE	1.2	1.1-1.3 (11%)	0.5	3.5	103
BOAT & SHORE	1.3	1.2-1.4 (10%)	0.5	5.2	133
MILES TRAVELED	14.7	13.8-15.7 (7%)	2	65	287
SUCCESS RATING (1-10)	5.4	5.1-5.7 (5%)	1	10	285

*5 samples were from split interviews of completed trips.
44.0% of all 302 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 5 out of 302 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	25	26	4	1						
SHORE INTERVIEWS	61	104	51	17	10	1	1		1	

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

178 (58.9%)	ANY	All species
3 (1.0%)	BLG	Bluegill
7 (2.3%)	CAT	Unidentified catfish
44 (14.6%)	CCF	Channel catfish
9 (3.0%)	CRP	Crappie spp.
52 (17.2%)	LMB	Largemouth bass
9 (3.0%)	WHC	White crappie

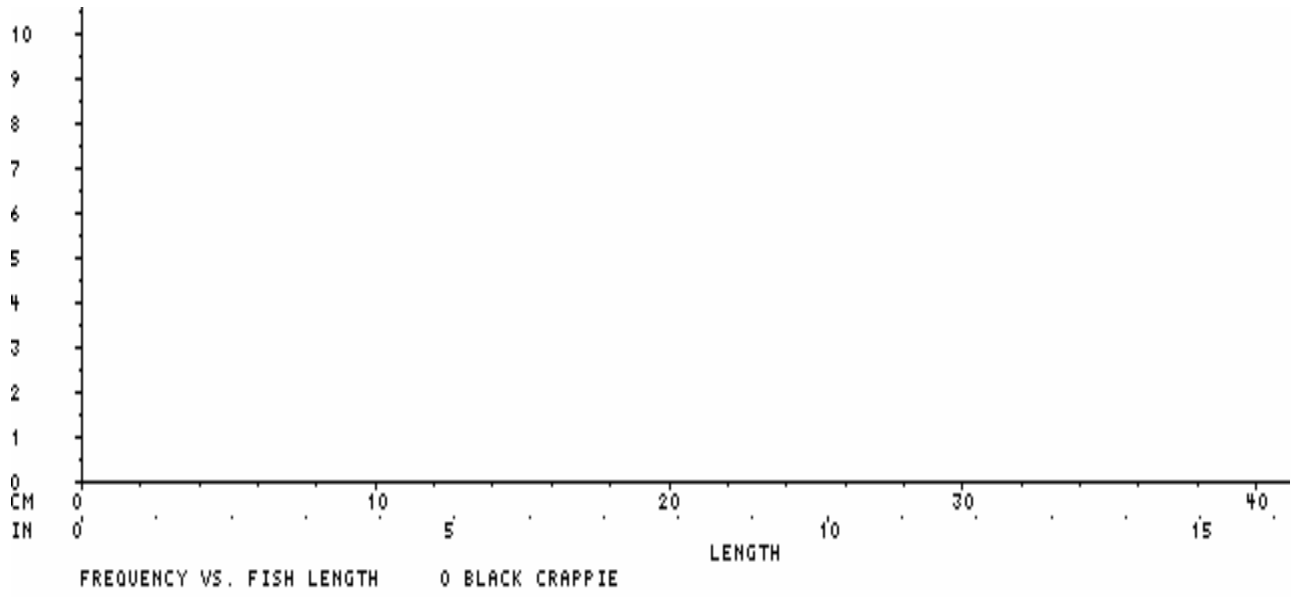


Figure 1. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of black crappie harvested by all anglers.

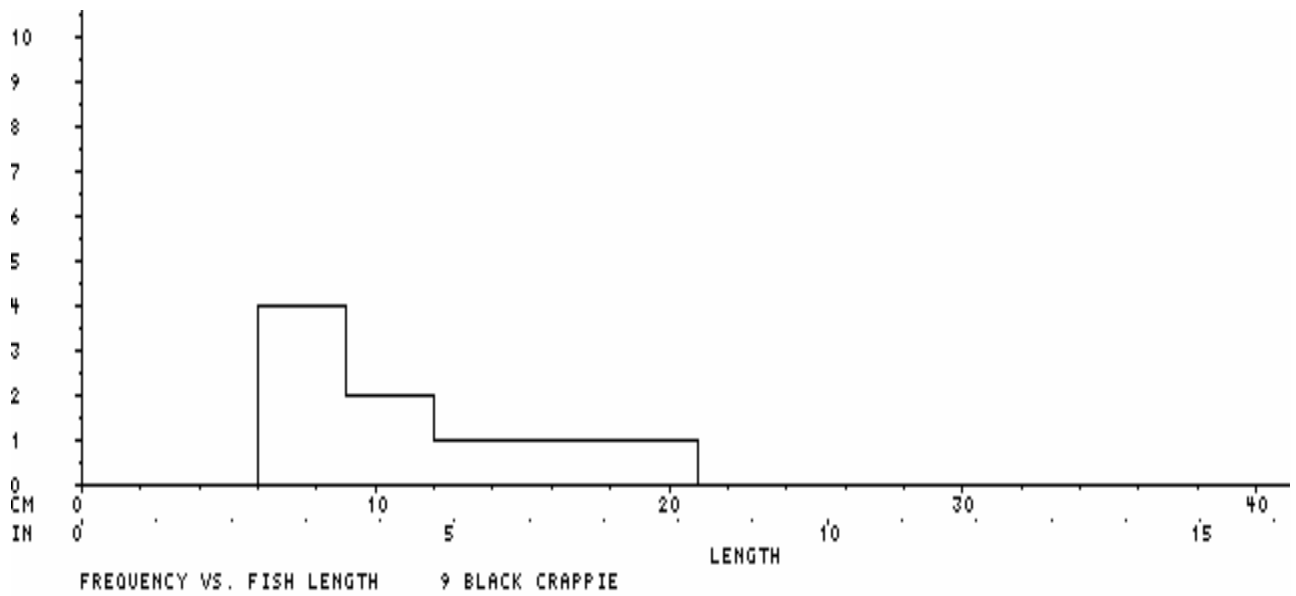


Figure 2. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of black crappie released by all anglers.

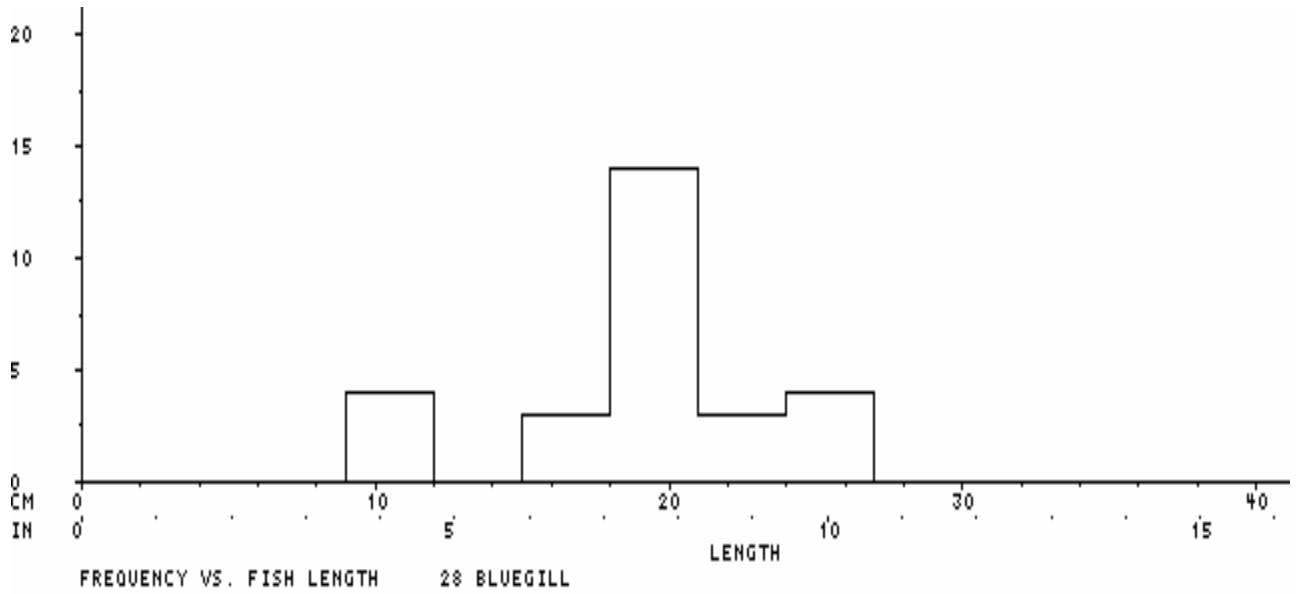


Figure 3. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of bluegill harvested by all anglers.

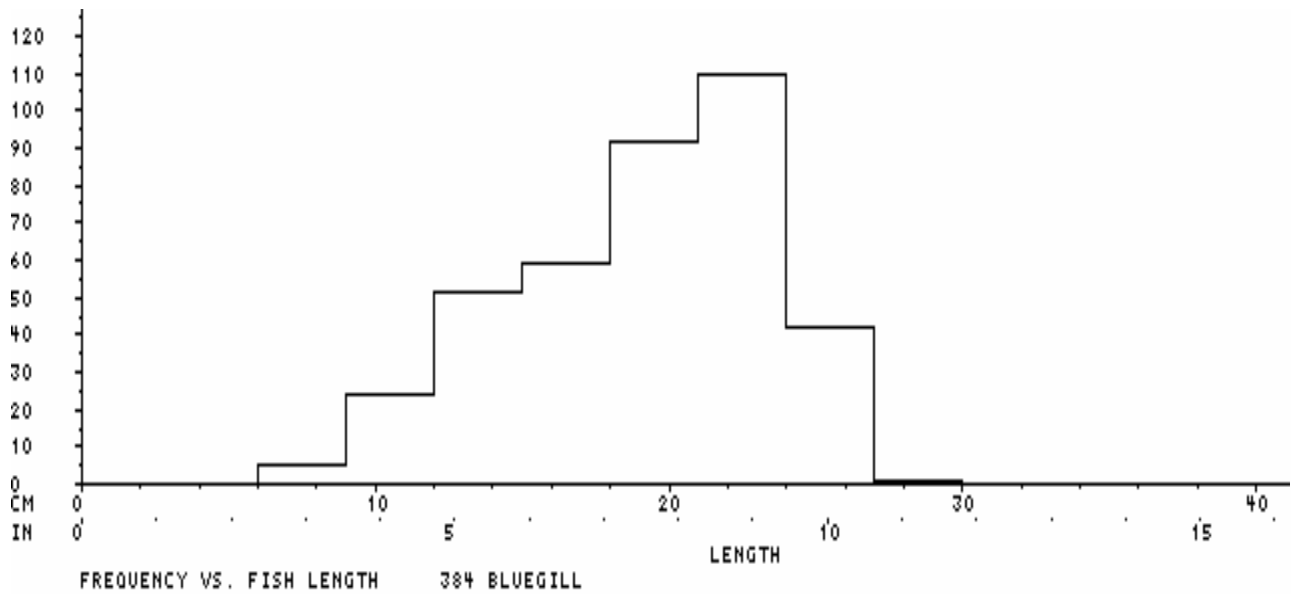


Figure 4. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of bluegill released by all anglers. Note the difference in scale from Figure 3.

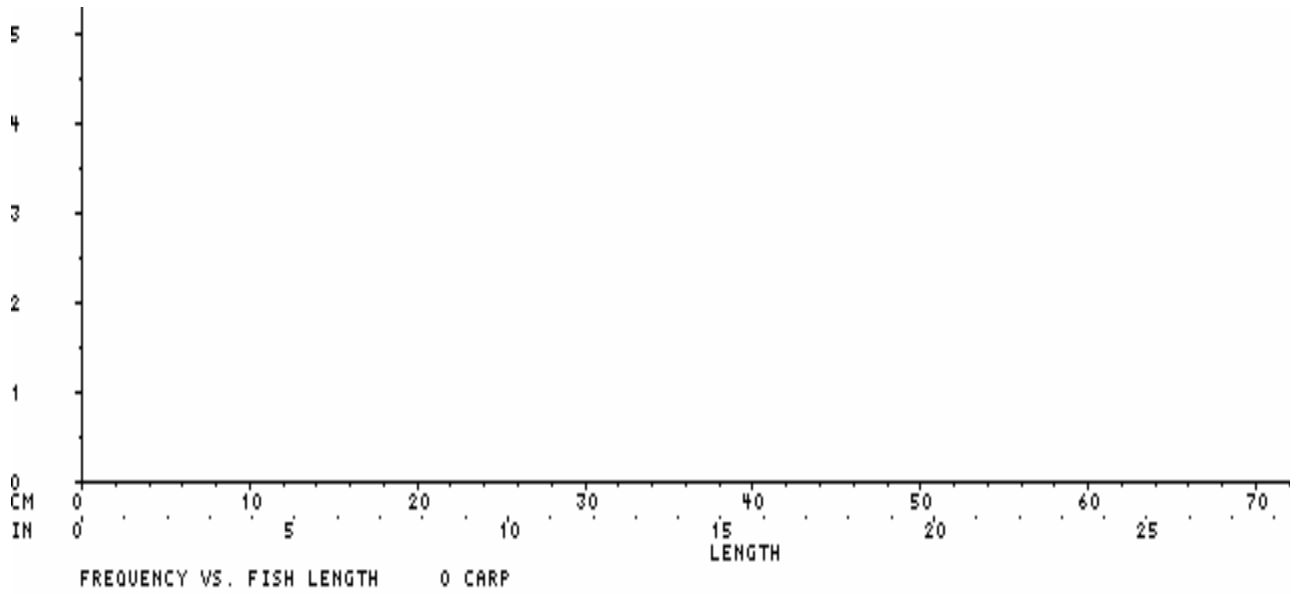


Figure 5. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of carp harvested by all anglers.

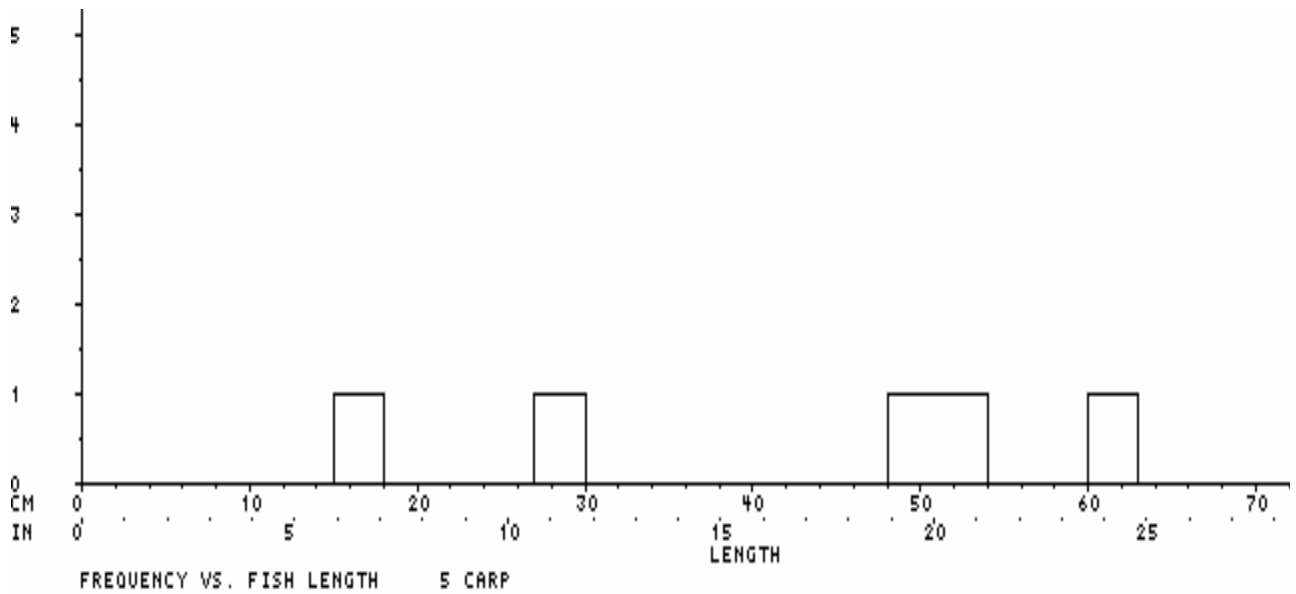


Figure 6. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of carp released by all anglers.

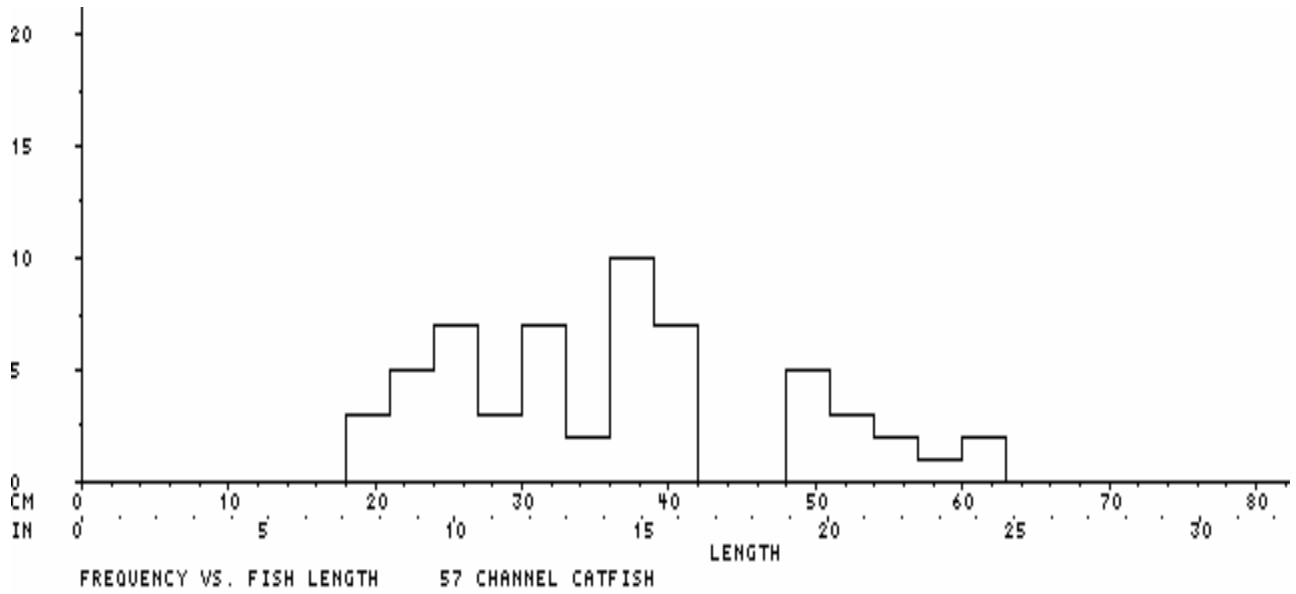


Figure 7. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of channel catfish harvested by all anglers.

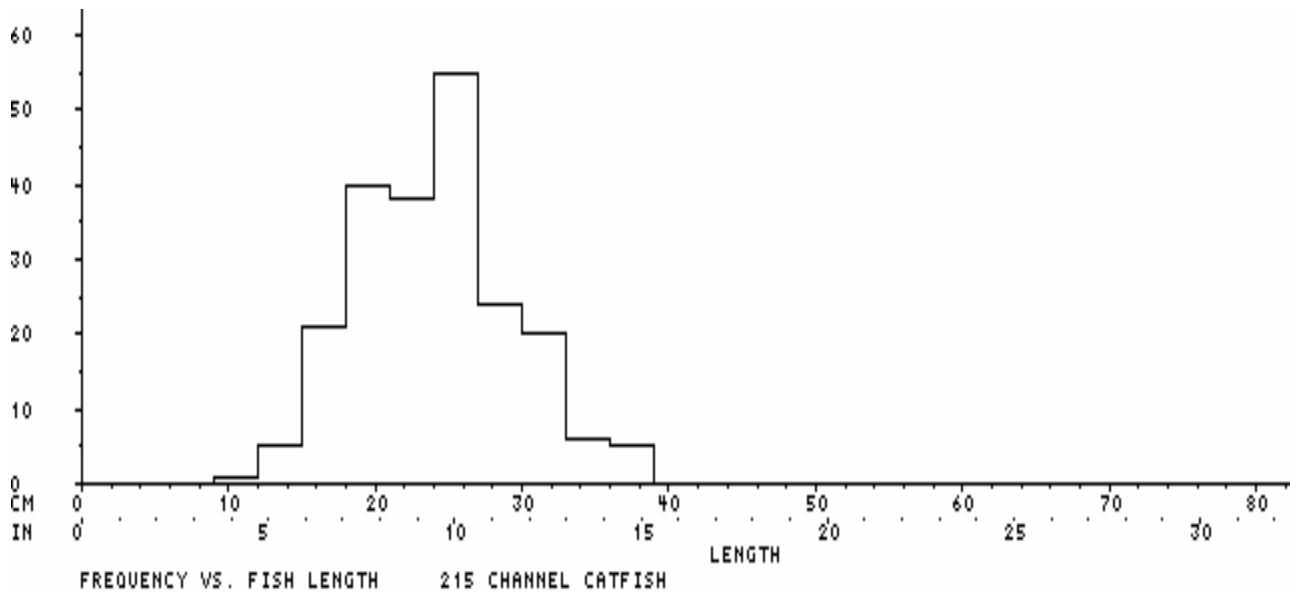


Figure 8. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of channel catfish released by all anglers. Note the difference in scale from Figure 7.

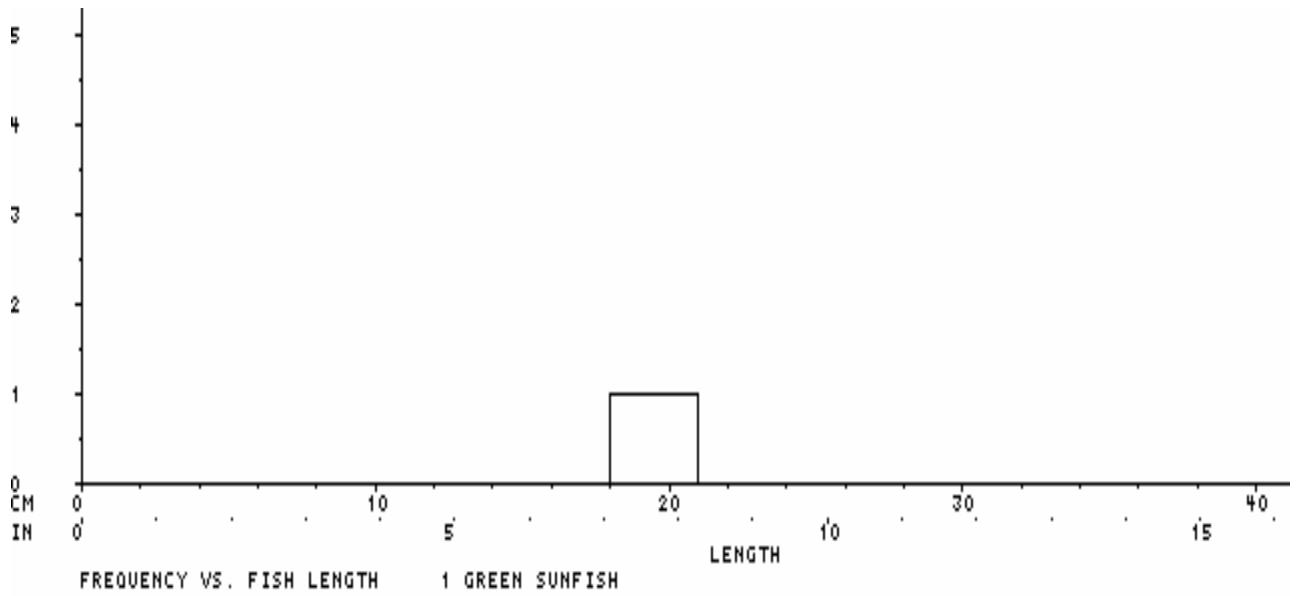


Figure 9. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of green sunfish harvested by all anglers.

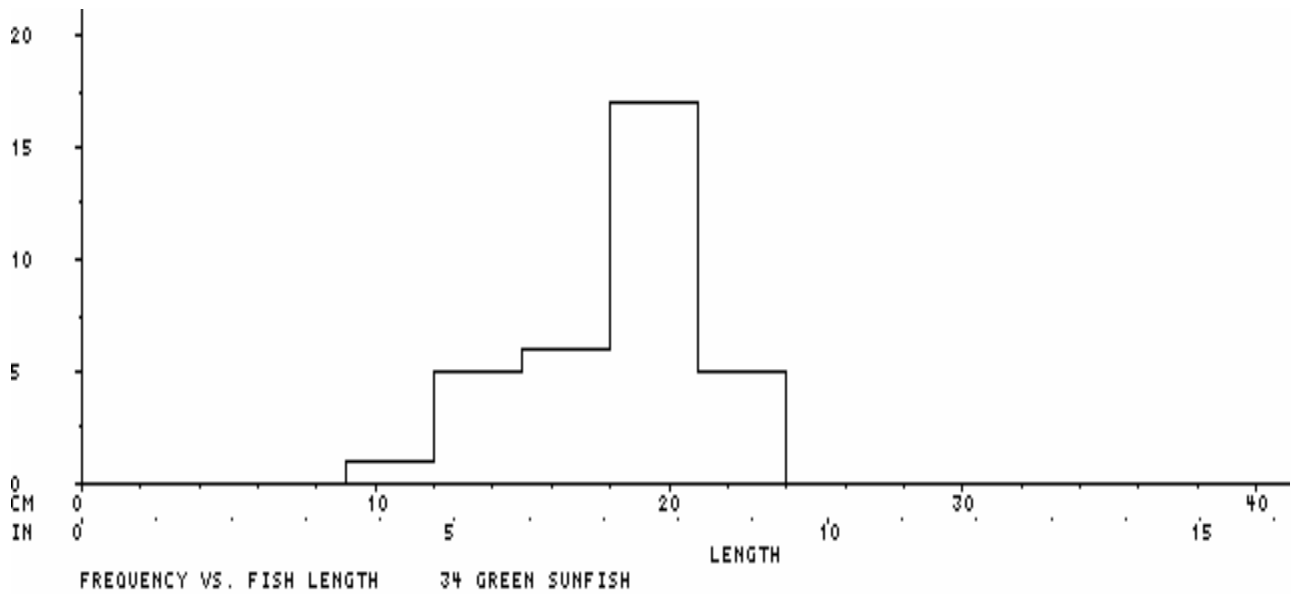


Figure 10. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of green sunfish released by all anglers. Note the difference in scale from Figure 9.

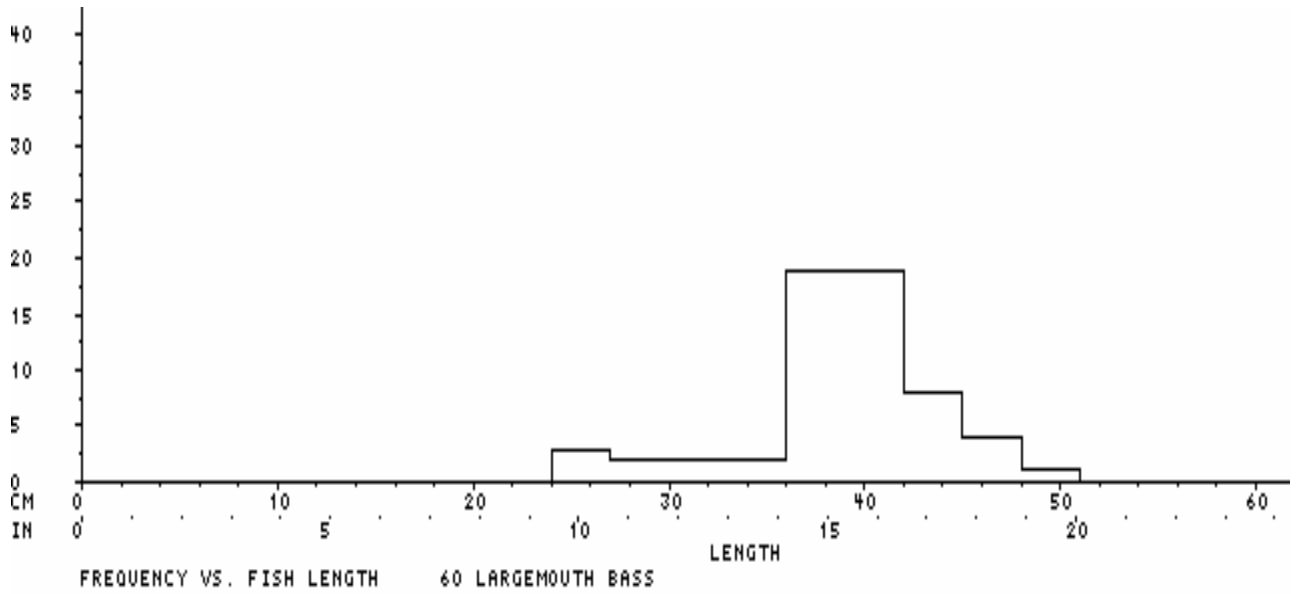


Figure 11. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of largemouth bass harvested by all anglers.

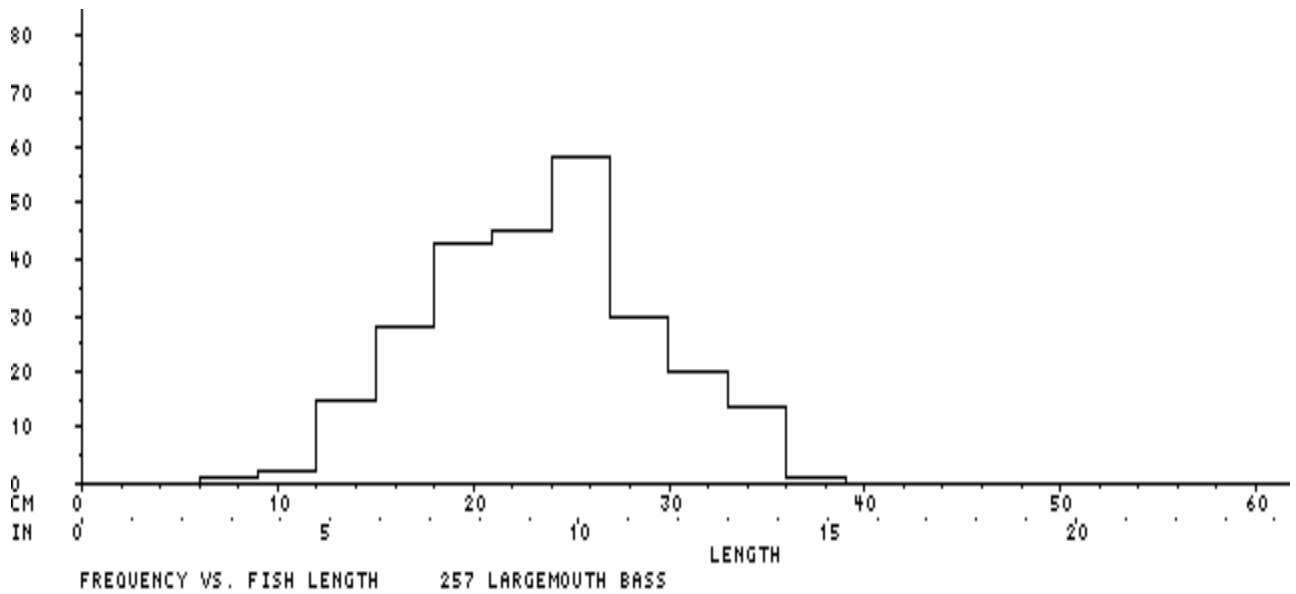


Figure 12. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of largemouth bass released by all anglers. Note the difference in scale from Figure 11.

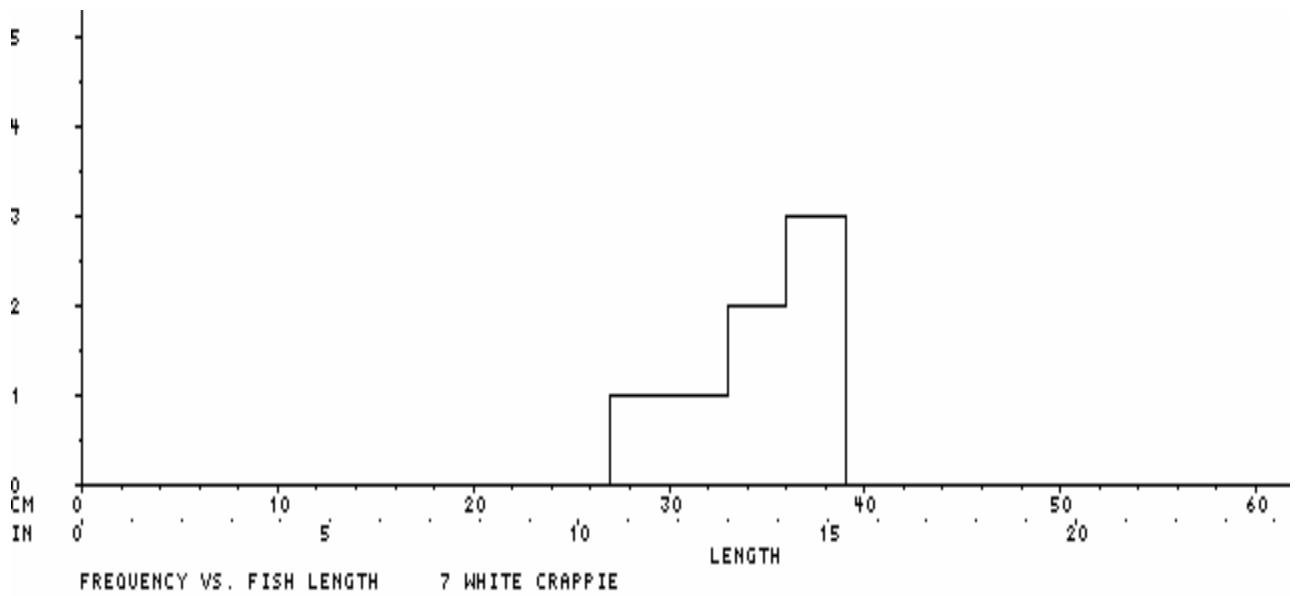


Figure 13. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of white crappie harvested by all anglers.

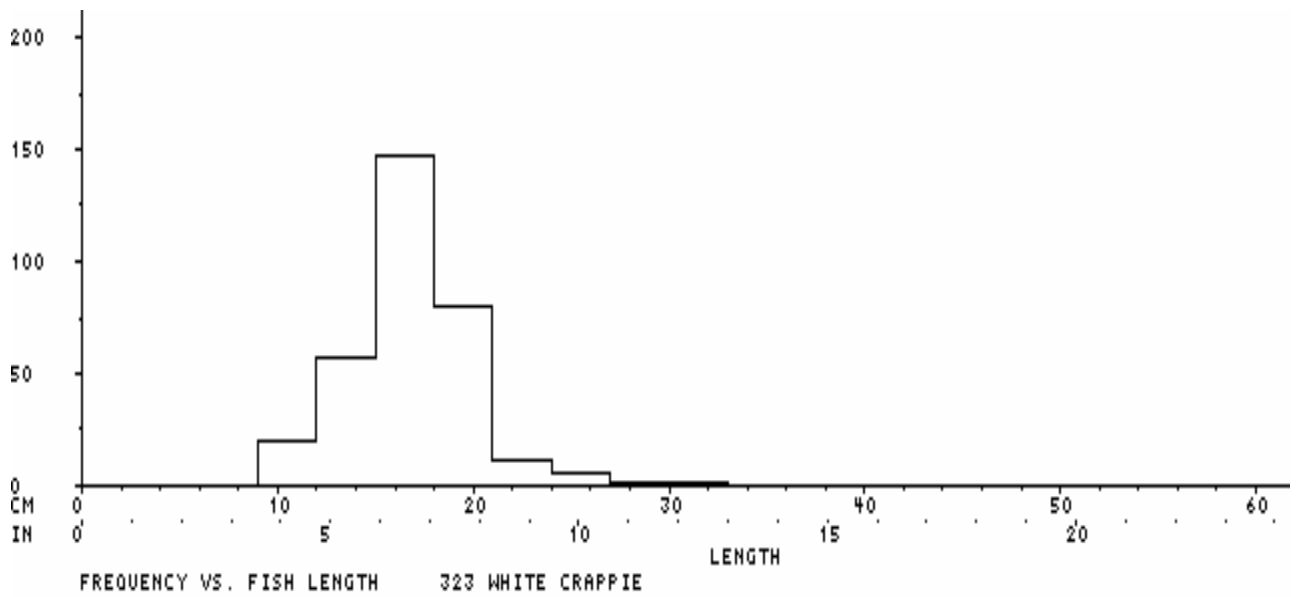


Figure 14. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of white crappie released by all anglers. Note the difference in scale from Figure 13.

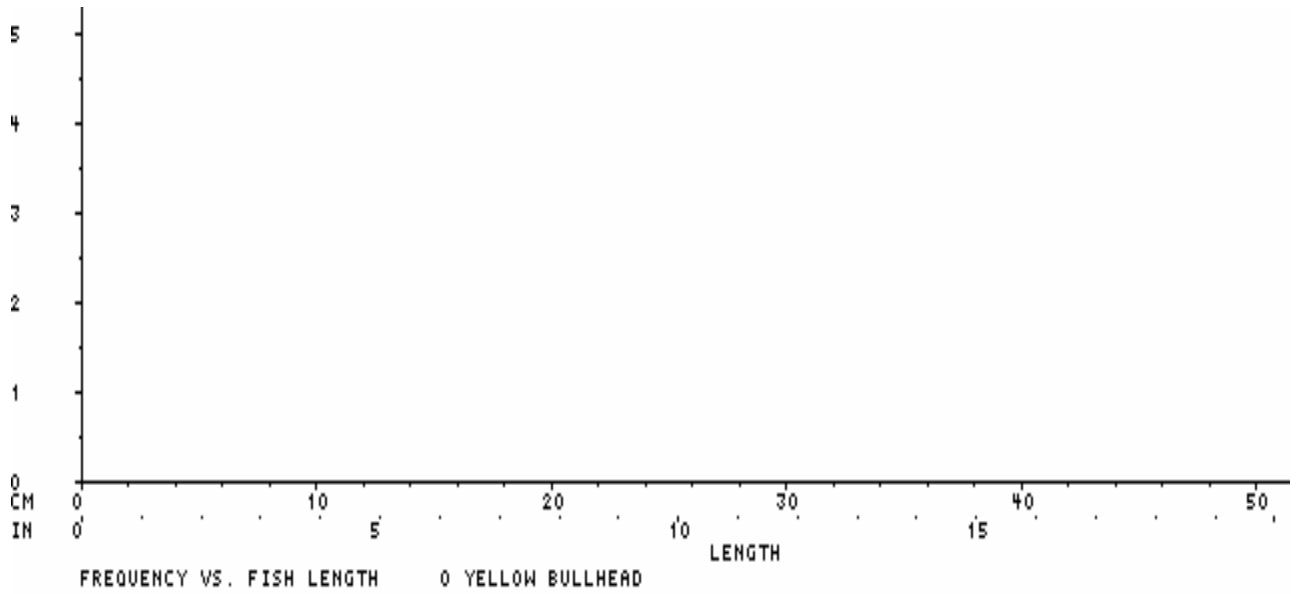


Figure 15. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of yellow bullhead harvested by all anglers.

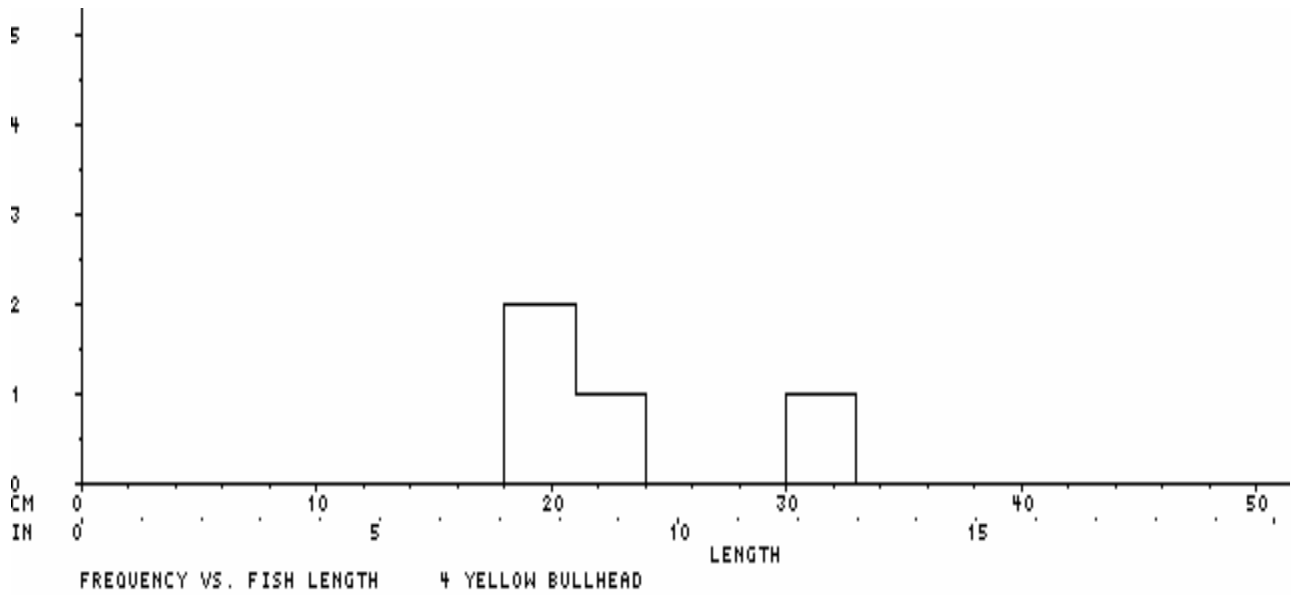


Figure 16. Woods Lake 2000 day creel 3/15 through 10/31. Length-frequency histogram of yellow bullhead released by all anglers.