

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 1992 CREEL SURVEY RESULTS

1992 COFFEEN
 1102 ACRES
 REGION 4, DISTRICT 12

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 01/01/1992 through 12/31/1992
 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: 531/1098 = 48.4%

NUMBER OF INTERVIEWS: 3162

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	50239	43690-56789 (13%)	46	40-52 (13%)	7%
	HOLIDAY	50496	44274-56718 (12%)	46	40-51 (12%)	16%
	TOTAL	100736	91701-109770(9%)	91	83-100 (9%)	11%
SHORE	WEEKDAY	6387	4525-8250 (29%)	6	4-7 (29%)	7%
	HOLIDAY	6028	4941-7115 (18%)	5	4-6 (18%)	15%
	TOTAL	12415	10258-14572 (17%)	11	9-13 (17%)	11%
BOAT & SHORE	WEEKDAY	56627	49817-63436 (12%)	51	45-58 (12%)	7%
	HOLIDAY	56524	50208-62841 (11%)	51	46-57 (11%)	15%
	TOTAL	113151	103863-122439(8%)	103	94-111 (8%)	11%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
23270	20518-26022 (12%)	.116	.098-.135 (16%)	52.18	21.12	All species
33	0-101 (203%)	.000	.000-.000 (187%)	0.07	0.03	Bluegill
10959	9085-12833 (17%)	.061	.045-.077 (26%)	24.57	9.94	Channel catfish
7	0-29 (318%)	.000	.000-.001 (318%)	0.02	0.01	Flathead
catfish						
6518	5486-7550 (16%)	.026	.021-.030 (17%)	14.61	5.91	Largemouth bass
5651	4417-6884 (22%)	.028	.018-.039 (36%)	12.67	5.13	White crappie
36	0-120 (236%)	.000	.000-.001 (231%)	0.08	0.03	Yellow bullhead
67	0-153 (129%)	.000	.000-.001 (126%)	0.15	0.06	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
11398	9984-12811 (12%)	.053	.046-.060 (13%)	25.56	0.490	All species
2	0-8 (218%)	.000	.000-.000 (211%)	0.01	0.076	Bluegill
3814	3137-4490 (18%)	.021	.016-.027 (27%)	8.55	0.348	Channel catfish
9	0-40 (318%)	.000	.000-.003 (430%)	0.02	1.580	Flathead
catfish						
6381	5341-7421 (16%)	.025	.021-.030 (17%)	14.31	0.979	Largemouth bass
1171	909-1432 (22%)	.006	.004-.008 (36%)	2.63	0.207	White crappie
9	0-30 (231%)	.000	.000-.000 (231%)	0.02	0.256	Yellow bullhead
11	0-26 (127%)	.000	.000-.000 (129%)	0.03	0.174	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
25127	22011-28244 (12%)	.117	.101-.132 (13%)	22.80	1.080	All species
5	0-17 (218%)	.000	.000-.000 (211%)	0.00	0.167	Bluegill
8407	6917-9898 (18%)	.047	.034-.059 (27%)	7.63	0.767	Channel catfish
21	0-87 (318%)	.001	.000-.004 (318%)	0.02	3.484	Flathead
catfish						
14067	11774-16361 (16%)	.056	.046-.066 (17%)	12.77	2.159	Largemouth bass
2581	2004-3158 (22%)	.013	.008-.017 (36%)	2.34	0.457	White crappie
20	0-65 (231%)	.000	.000-.001 (236%)	0.02	0.564	Yellow bullhead
25	0-57 (127%)	.000	.000-.000 (129%)	0.02	0.383	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
59415	53535-65294 (10%)	.323	.281-.365 (13%)	133.22	53.92	All species
4332	2648-6016 (39%)	.031	.016-.047 (50%)	9.71	3.93	Bluegill
17268	14298-20237 (17%)	.097	.077-.116 (20%)	38.72	15.67	Channel catfish
7	0-29 (318%)	.000	.000-.001 (318%)	0.02	0.01	Flathead
catfish						
27957	24771-31143 (11%)	.127	.107-.147 (16%)	62.69	25.37	Largemouth bass
9520	7009-12031 (26%)	.065	.033-.096 (49%)	21.35	8.64	White crappie
58	0-149 (158%)	.001	.000-.002 (161%)	0.13	0.05	Yellow bullhead
274	18-530 (93%)	.003	.000-.006 (124%)	0.62	0.25	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
22980	20517-25442 (11%)	.109	.097-.122 (11%)	51.53	0.387	All species
75	44-107 (41%)	.001	.000-.001 (50%)	0.17	0.017	Bluegill
4106	3397-4814 (17%)	.023	.017-.028 (25%)	9.21	0.238	Channel catfish
9	0-40 (318%)	.000	.000-.003 (430%)	0.02	1.580	Flathead
catfish						
17216	15107-19324 (12%)	.076	.065-.087 (14%)	38.60	0.616	Largemouth bass
1528	1179-1878 (23%)	.009	.005-.013 (43%)	3.43	0.161	White crappie
9	0-30 (218%)	.000	.000-.000 (203%)	0.02	0.167	Yellow bullhead
36	1-71 (98%)	.000	.000-.001 (135%)	0.08	0.130	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
50661	45233-56090 (11%)	.241	.213-.268 (11%)	45.97	0.853	All species
166	97-235 (41%)	.001	.001-.002 (50%)	0.15	0.038	Bluegill
9052	7490-10613 (17%)	.050	.038-.063 (25%)	8.21	0.524	Channel catfish
21	0-87 (318%)	.001	.000-.004 (318%)	0.02	3.484	Flathead
catfish						
37954	33305-42603 (12%)	.167	.143-.191 (14%)	34.44	1.358	Largemouth bass
3369	2599-4140 (23%)	.020	.012-.029 (43%)	3.06	0.354	White crappie
21	0-67 (218%)	.000	.000-.001 (203%)	0.02	0.367	Yellow bullhead
78	2-155 (98%)	.001	.000-.002 (135%)	0.07	0.286	Yellow bass