

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 1989 CREEL SURVEY RESULTS

1989 COFFEEN
 1102 ACRES
 REGION 4, DISTRICT 12

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1989 through 03/14/1990
 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: 497/1095 = 45.4%

NUMBER OF INTERVIEWS: 3250

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	47593	41564-53623 (13%)	43	38-49 (13%)	6%
	HOLIDAY	45722	39122-52322 (14%)	41	36-47 (14%)	12%
	TOTAL	93315	84376-102255(10%)	85	77-93 (10%)	9%
SHORE	WEEKDAY	7805	6366-9244 (18%)	7	6-8 (18%)	5%
	HOLIDAY	6419	5258-7580 (18%)	6	5-7 (18%)	11%
	TOTAL	14223	12375-16072 (13%)	13	11-15 (13%)	7%
BOAT & SHORE	WEEKDAY	55398	49199-61597 (11%)	50	45-56 (11%)	5%
	HOLIDAY	52141	45439-58842 (13%)	47	41-53 (13%)	11%
	TOTAL	107538	98410-116667(8%)	98	89-106 (8%)	8%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
34035	28436-39635 (16%)	.231	.177-.284 (23%)	76.32	30.88	All species
1885	404-3365 (79%)	.017	.001-.033 (92%)	4.23	1.71	Bluegill
16816	12961-20672 (23%)	.116	.089-.142 (23%)	37.71	15.26	Channel catfish
1206	0-2915 (142%)	.007	.000-.018 (147%)	2.71	1.09	Green sunfish
5674	4532-6817 (20%)	.034	.022-.046 (36%)	12.72	5.15	Largemouth bass
514	0-1422 (176%)	.008	.000-.021 (166%)	1.15	0.47	Longear sunfish
180	0-620 (245%)	.003	.000-.009 (257%)	0.40	0.16	Redear sunfish
7638	5127-10150 (33%)	.046	.005-.086 (89%)	17.13	6.93	White crappie
79	0-166 (111%)	.000	.000-.001 (104%)	0.18	0.07	Yellow bullhead
42	0-118 (180%)	.000	.000-.000 (180%)	0.09	0.04	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
12531	10737-14324 (14%)	.082	.064-.100 (22%)	28.10	0.368	All species
35	16-55 (56%)	.000	.000-.001 (91%)	0.08	0.019	Bluegill
4486	3493-5480 (22%)	.034	.025-.043 (28%)	10.06	0.267	Channel catfish
36	0-78 (120%)	.000	.000-.000 (123%)	0.08	0.030	Green sunfish
6261	5002-7520 (20%)	.038	.023-.052 (39%)	14.04	1.103	Largemouth bass
12	0-29 (130%)	.000	.000-.000 (147%)	0.03	0.024	Longear sunfish
2	0-7 (257%)	.000	.000-.000 (245%)	0.00	0.011	Redear sunfish
1679	1132-2226 (33%)	.010	.001-.019 (90%)	3.76	0.220	White crappie
16	0-31 (98%)	.000	.000-.000 (113%)	0.03	0.199	Yellow bullhead
3	0-8 (172%)	.000	.000-.000 (172%)	0.01	0.068	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
27625	23672-31578 (14%)	.181	.142-.221 (22%)	25.07	0.812	All species
78	34-122 (56%)	.001	.000-.001 (91%)	0.07	0.042	Bluegill
9891	7701-12081 (22%)	.075	.054-.095 (28%)	8.98	0.588	Channel catfish
79	0-173 (120%)	.000	.000-.001 (123%)	0.07	0.065	Green sunfish
13804	11028-16579 (20%)	.083	.051-.115 (39%)	12.53	2.433	Largemouth bass
27	0-63 (130%)	.000	.000-.001 (147%)	0.02	0.053	Longear sunfish
4	0-16 (257%)	.000	.000-.000 (245%)	0.00	0.025	Redear sunfish
3702	2496-4908 (33%)	.022	.002-.042 (90%)	3.36	0.485	White crappie
34	1-68 (98%)	.000	.000-.000 (113%)	0.03	0.439	Yellow bullhead
6	0-17 (172%)	.000	.000-.000 (172%)	0.01	0.151	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
78807	68970-88645 (12%)	.507	.426-.588 (16%)	176.71	71.51	All species
7775	4907-10643 (37%)	.052	.031-.072 (40%)	17.43	7.06	Bluegill
19275	15247-23303 (21%)	.143	.113-.173 (21%)	43.22	17.49	Channel catfish
2154	6-4302 (100%)	.011	.000-.024 (117%)	4.83	1.95	Green sunfish
37026	31624-42427 (15%)	.222	.172-.272 (22%)	83.02	33.60	Largemouth bass
514	0-1422 (176%)	.008	.000-.021 (166%)	1.15	0.47	Longear sunfish
180	0-620 (245%)	.003	.000-.009 (257%)	0.40	0.16	Redear sunfish
11619	7820-15418 (33%)	.067	.006-.127 (91%)	26.05	10.54	White crappie
178	40-317 (78%)	.002	.000-.004 (101%)	0.40	0.16	Yellow bullhead
86	4-169 (96%)	.000	.000-.001 (100%)	0.19	0.08	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
28184	24637-31731 (13%)	.174	.144-.204 (17%)	63.20	0.358	All species
153	101-206 (34%)	.001	.001-.001 (38%)	0.34	0.020	Bluegill
4699	3698-5700 (21%)	.036	.027-.045 (26%)	10.54	0.244	Channel catfish
58	6-109 (89%)	.000	.000-.001 (103%)	0.13	0.027	Green sunfish
21295	18222-24368 (14%)	.125	.096-.153 (23%)	47.75	0.575	Largemouth bass
12	0-29 (130%)	.000	.000-.000 (147%)	0.03	0.024	Longear sunfish
2	0-7 (257%)	.000	.000-.000 (245%)	0.00	0.011	Redear sunfish
1924	1327-2521 (31%)	.012	.001-.023 (95%)	4.31	0.166	White crappie
36	7-64 (81%)	.000	.000-.001 (105%)	0.08	0.200	Yellow bullhead
5	0-10 (105%)	.000	.000-.000 (98%)	0.01	0.058	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
62135	54315-69955 (13%)	.384	.317-.450 (17%)	56.38	0.788	All species
338	223-453 (34%)	.002	.001-.003 (38%)	0.31	0.043	Bluegill
10360	8153-12567 (21%)	.079	.059-.100 (26%)	9.40	0.538	Channel catfish
127	14-240 (89%)	.001	.000-.001 (103%)	0.12	0.059	Green sunfish
46947	40172-53721 (14%)	.275	.212-.337 (23%)	42.60	1.268	Largemouth bass
27	0-63 (130%)	.000	.000-.001 (147%)	0.02	0.053	Longear sunfish
4	0-16 (257%)	.000	.000-.000 (245%)	0.00	0.025	Redear sunfish
4242	2925-5558 (31%)	.026	.001-.050 (95%)	3.85	0.365	White crappie
78	15-142 (81%)	.001	.000-.002 (105%)	0.07	0.440	Yellow bullhead
11	0-23 (105%)	.000	.000-.000 (98%)	0.01	0.129	Yellow bass

