

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

1989 JACKSONVILLE  
 476 ACRES  
 REGION 4, DISTRICT 11

STRATIFICATION SUMMARY:

Day creel only.  
 Results cover 04/15/1989 through 06/15/1989  
 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: 110/186 = 59.1%

NUMBER OF INTERVIEWS: 711

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	2172	1740-2604 ( 20%)	5	4-5 ( 20%)	18%
	HOLIDAY	3429	2766-4091 ( 19%)	7	6-9 ( 19%)	24%
	TOTAL	5601	4862-6339 ( 13%)	12	10-13 ( 13%)	21%
SHORE	WEEKDAY	2319	1976-2661 ( 15%)	5	4-6 ( 15%)	14%
	HOLIDAY	2168	1820-2516 ( 16%)	5	4-5 ( 16%)	13%
	TOTAL	4487	4009-4964 ( 11%)	9	8-10 ( 11%)	13%
BOAT & SHORE	WEEKDAY	4491	3958-5023 ( 12%)	9	8-11 ( 12%)	15%
	HOLIDAY	5597	4864-6329 ( 13%)	12	10-13 ( 13%)	20%
	TOTAL	10087	9208-10966 ( 9%)	21	19-23 ( 9%)	18%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
803	573-1034	( 29%)	.089	.034-.144 ( 62%)	4.17	1.69	All species
117	9-226	( 92%)	.024	.000-.057 (142%)	0.61	0.25	Black bullhead
106	0-298	(181%)	.007	.000-.019 (182%)	0.55	0.22	Bluegill
			****	NOT RECORDED	****		Carp
462	307-616	( 33%)	.052	.027-.076 ( 47%)	2.39	0.97	Channel catfish
43	0-133	(209%)	.002	.000-.005 (172%)	0.22	0.09	Green sunfish
13	0-29	(114%)	.001	.000-.002 (127%)	0.07	0.03	Largemouth bass
			****	NOT RECORDED	****		White bass
62	1-122	( 98%)	.004	.000-.009 (112%)	0.32	0.13	White crappie
			****	NOT RECORDED	****		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
174	118-230	( 32%)	.020	.006-.034 ( 71%)	0.90	0.217	All species
22	0-50	(129%)	.006	.000-.017 (195%)	0.11	0.185	Black bullhead
9	0-20	(132%)	.001	.000-.001 (121%)	0.04	0.082	Bluegill
			****	NOT RECORDED	****		Carp
111	70-152	( 37%)	.012	.007-.017 ( 42%)	0.57	0.240	Channel catfish
4	0-12	(238%)	.000	.000-.000 (241%)	0.02	0.085	Green sunfish
10	0-23	(123%)	.001	.000-.001 (133%)	0.05	0.803	Largemouth bass
			****	NOT RECORDED	****		White bass
19	0-41	(119%)	.001	.000-.002 (110%)	0.10	0.308	White crappie
			****	NOT RECORDED	****		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
383	261-506	( 32%)	.043	.013-.074 ( 71%)	0.80	0.477	All species
48	0-109	(129%)	.012	.000-.037 (195%)	0.10	0.408	Black bullhead
19	0-44	(132%)	.001	.000-.002 (121%)	0.04	0.180	Bluegill
			****	NOT RECORDED	****		Carp
244	154-334	( 37%)	.026	.015-.036 ( 42%)	0.51	0.530	Channel catfish
8	0-27	(238%)	.000	.000-.001 (241%)	0.02	0.186	Green sunfish
23	0-51	(123%)	.001	.000-.003 (133%)	0.05	1.771	Largemouth bass
			****	NOT RECORDED	****		White bass
41	0-91	(119%)	.002	.000-.005 (110%)	0.09	0.679	White crappie
			****	NOT RECORDED	****		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
5805	4965-6645	( 14%)	.653	.439-.868 ( 33%)	30.10	12.18	All species
779	545-1012	( 30%)	.094	.040-.148 ( 58%)	4.04	1.63	Black bullhead
785	520-1050	( 34%)	.072	.043-.101 ( 41%)	4.07	1.65	Bluegill
336	202-470	( 40%)	.040	.022-.058 ( 46%)	1.74	0.71	Carp
1130	624-1637	( 45%)	.185	.000-.407 (120%)	5.86	2.37	Channel catfish
170	74-267	( 57%)	.016	.006-.026 ( 62%)	0.88	0.36	Green sunfish
1453	1111-1795	( 24%)	.136	.094-.178 ( 31%)	7.53	3.05	Largemouth bass
3	0-13	(278%)	.000	.000-.000 (278%)	0.02	0.01	White bass
224	117-331	( 48%)	.018	.007-.029 ( 62%)	1.16	0.47	White crappie
925	624-1226	( 33%)	.093	.060-.126 ( 36%)	4.80	1.94	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
1089	891-1287	( 18%)	.110	.083-.137 ( 24%)	5.65	0.188	All species
60	33-87	( 44%)	.010	.000-.023 (126%)	0.31	0.077	Black bullhead
35	20-49	( 41%)	.003	.002-.005 ( 51%)	0.18	0.044	Bluegill
19	11-27	( 43%)	.002	.001-.004 ( 50%)	0.10	0.056	Carp
165	101-229	( 39%)	.017	.011-.023 ( 35%)	0.86	0.146	Channel catfish
11	3-19	( 71%)	.001	.000-.001 ( 53%)	0.06	0.064	Green sunfish
725	538-913	( 26%)	.070	.045-.094 ( 35%)	3.76	0.500	Largemouth bass
0	0-0	(257%)	.000	.000-.000 (278%)	0.00	0.015	White bass
45	18-73	( 60%)	.004	.001-.006 ( 73%)	0.24	0.203	White crappie
29	18-40	( 38%)	.003	.002-.004 ( 42%)	0.15	0.031	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
2401	1965-2837	( 18%)	.242	.183-.301 ( 24%)	5.04	0.414	All species
132	74-191	( 44%)	.022	.000-.050 (126%)	0.28	0.170	Black bullhead
77	45-108	( 41%)	.007	.004-.011 ( 51%)	0.16	0.098	Bluegill
42	24-59	( 43%)	.005	.003-.008 ( 50%)	0.09	0.124	Carp
364	223-504	( 39%)	.037	.024-.050 ( 35%)	0.76	0.322	Channel catfish
24	7-41	( 71%)	.002	.001-.003 ( 53%)	0.05	0.141	Green sunfish
1599	1185-2013	( 26%)	.154	.099-.208 ( 35%)	3.36	1.101	Largemouth bass
0	0-0	(257%)	.000	.000-.000 (257%)	0.00	0.032	White bass
100	40-160	( 60%)	.008	.002-.014 ( 73%)	0.21	0.449	White crappie
63	39-88	( 38%)	.006	.004-.009 ( 42%)	0.13	0.069	Yellow bass