

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 2003 CREEL SURVEY RESULTS

2003 WOODS LAKE
 27 ACRES
 REGION 3, DISTRICT 11

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/2003 through 10/31/2003
 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: 277/693 = 40.0%

NUMBER OF INTERVIEWS: 270

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	461	229-692 (50%)	17	8-26 (50%)	24%
	HOLIDAY	520	384-657 (26%)	19	14-24 (26%)	51%
	TOTAL	981	712-1250 (27%)	36	26-46 (27%)	38%
SHORE	WEEKDAY	1524	1149-1899 (25%)	56	43-70 (25%)	17%
	HOLIDAY	1328	1015-1642 (24%)	49	38-61 (24%)	42%
	TOTAL	2853	2364-3342 (17%)	106	88-124 (17%)	28%
BOAT & SHORE	WEEKDAY	1985	1545-2425 (22%)	74	57-90 (22%)	18%
	HOLIDAY	1849	1506-2191 (19%)	68	56-81 (19%)	44%
	TOTAL	3834	3276-4391 (15%)	142	121-163 (15%)	31%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
522	254-789	(51%)	.046	.020-.073 (57%)	47.74	19.32	All species
			****	NOT RECORDED	****		Black crappie
120	0-308	(156%)	.013	.000-.033 (153%)	11.01	4.46	Bluegill
			****	NOT RECORDED	****		Carp
357	153-561	(57%)	.030	.010-.051 (66%)	32.65	13.22	Channel catfish
			****	NOT RECORDED	****		Crappie spp.
18	3-33	(83%)	.001	.000-.002 (117%)	1.64	0.66	Largemouth bass
20	0-41	(109%)	.001	.000-.003 (155%)	1.81	0.73	White crappie
7	0-21	(209%)	.000	.000-.001 (209%)	0.63	0.26	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
137	72-201	(47%)	.011	.005-.017 (57%)	12.51	0.262	All species
			****	NOT RECORDED	****		Black crappie
4	0-10	(130%)	.001	.000-.001 (133%)	0.39	0.036	Bluegill
			****	NOT RECORDED	****		Carp
103	40-166	(61%)	.008	.002-.014 (71%)	9.42	0.288	Channel catfish
			****	NOT RECORDED	****		Crappie spp.
21	4-38	(79%)	.001	.000-.002 (98%)	1.94	1.184	Largemouth bass
6	0-13	(112%)	.000	.000-.001 (155%)	0.54	0.300	White crappie
2	0-7	(209%)	.000	.000-.000 (209%)	0.22	0.342	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
301	159-444	(47%)	.023	.010-.037 (57%)	11.16	0.577	All species
			****	NOT RECORDED	****		Black crappie
9	0-22	(130%)	.001	.000-.003 (133%)	0.35	0.078	Bluegill
			****	NOT RECORDED	****		Carp
227	88-366	(61%)	.018	.005-.032 (71%)	8.40	0.636	Channel catfish
			****	NOT RECORDED	****		Crappie spp.
47	10-83	(79%)	.003	.000-.005 (98%)	1.73	2.611	Largemouth bass
13	0-28	(112%)	.001	.000-.002 (155%)	0.48	0.661	White crappie
5	0-16	(209%)	.000	.000-.001 (209%)	0.19	0.754	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
4083	3143-5023 (23%)	.351	.263-.438 (25%)	373.66	151.22	All species
4	0-16 (278%)	.000	.000-.001 (257%)	0.40	0.16	Black crappie
1790	1239-2340 (31%)	.142	.090-.193 (36%)	163.80	66.29	Bluegill
37	2-72 (95%)	.005	.000-.012 (138%)	3.36	1.36	Carp
869	575-1163 (34%)	.086	.049-.122 (43%)	79.51	32.18	Channel catfish
235	0-594 (153%)	.026	.000-.067 (156%)	21.50	8.70	Crappie spp.
602	285-919 (53%)	.048	.029-.067 (40%)	55.11	22.30	Largemouth bass
528	220-835 (58%)	.043	.002-.084 (95%)	48.28	19.54	White crappie
18	0-42 (129%)	.001	.000-.002 (126%)	1.69	0.68	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
767	167-1367 (78%)	.058	.026-.090 (56%)	70.23	0.188	All species
0	0-2 (257%)	.000	.000-.000 (257%)	0.04	0.102	Black crappie
58	40-76 (31%)	.004	.003-.006 (34%)	5.30	0.032	Bluegill
43	0-98 (128%)	.005	.000-.015 (185%)	3.93	1.169	Carp
187	111-263 (40%)	.017	.008-.025 (49%)	17.12	0.215	Channel catfish
9	0-22 (139%)	.001	.000-.003 (190%)	0.84	0.039	Crappie spp.
435	0-1028 (136%)	.028	.000-.059 (109%)	39.81	0.722	Largemouth bass
30	18-43 (41%)	.002	.001-.003 (45%)	2.76	0.057	White crappie
5	0-10 (120%)	.000	.000-.001 (135%)	0.43	0.255	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
1692	369-3014 (78%)	.128	.057-.199 (56%)	62.66	0.414	All species
1	0-3 (257%)	.000	.000-.000 (278%)	0.04	0.224	Black crappie
128	88-167 (31%)	.010	.006-.013 (34%)	4.73	0.071	Bluegill
95	0-216 (128%)	.012	.000-.034 (185%)	3.51	2.578	Carp
412	246-579 (40%)	.036	.019-.054 (49%)	15.27	0.475	Channel catfish
20	0-48 (139%)	.003	.000-.008 (190%)	0.75	0.086	Crappie spp.
959	0-2267 (136%)	.062	.000-.131 (109%)	35.52	1.592	Largemouth bass
66	39-94 (41%)	.005	.003-.007 (45%)	2.46	0.126	White crappie
10	0-23 (120%)	.001	.000-.001 (135%)	0.39	0.563	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	3.1	2.7-3.5	(13%)	0.6	9.2	60
SHORE	2.1	1.8-2.4	(13%)	0.2	12.1	132
BOAT & SHORE	2.4	2.2-2.7	(10%)	0.2	12.1	192
MILES TRAVELED	17.2	14.4-19.9	(16%)	1	200	245
SUCCESS RATING (1-10)	4.0	3.7-4.3	(8%)	1	10	239

*16 samples were from split interviews of completed trips.
75.9% of all 253 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 1 out of 253 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	10	50	2	1						
SHORE INTERVIEWS	45	96	27	13	4	4	1			

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

122 (48.2%)	ANY	All species
5 (2.0%)	BLG	Bluegill
1 (0.4%)	CAP	Carp
4 (1.6%)	CAT	Unidentified catfish
62 (24.5%)	CCF	Channel catfish
5 (2.0%)	CRP	Crappie spp.
41 (16.2%)	LMB	Largemouth bass
13 (5.1%)	WHC	White crappie

