

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

1992 RAMSEY
 55 ACRES
 REGION 5, DISTRICT 14

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1992 through 11/15/1992
 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: 335/738 = 45.4%

NUMBER OF INTERVIEWS: 775

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	6294	5404-7183 (14%)	114	98-130 (14%)	26%
	HOLIDAY	8224	7365-9082 (10%)	149	133-165 (10%)	42%
	TOTAL	14517	13281-15754 (9%)	263	241-285 (9%)	35%
SHORE	WEEKDAY	1534	1145-1923 (25%)	28	21-35 (25%)	13%
	HOLIDAY	2234	1859-2609 (17%)	40	34-47 (17%)	26%
	TOTAL	3768	3227-4308 (14%)	68	58-78 (14%)	21%
BOAT & SHORE	WEEKDAY	7828	6857-8798 (12%)	142	124-159 (12%)	24%
	HOLIDAY	10458	9521-11395 (9%)	189	172-206 (9%)	39%
	TOTAL	18285	16936-19634 (7%)	331	307-356 (7%)	32%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
18833	15902-21764	(16%)	.421	.345-.497 (18%)	843.05	341.18	All species
16672	13920-19423	(17%)	.369	.299-.440 (19%)	746.29	302.02	Bluegill
68	21-115	(69%)	.001	.000-.002 (103%)	3.06	1.24	Black x White crappie
2	0-10	(318%)	.000	.000-.000 (318%)	0.11	0.04	Carp
652	455-850	(30%)	.018	.011-.025 (38%)	29.20	11.82	Channel catfish
67	0-188	(182%)	.003	.000-.009 (202%)	2.99	1.21	Green sunfish
150	52-248	(65%)	.004	.001-.007 (78%)	6.70	2.71	Largemouth bass
1220	943-1498	(23%)	.025	.018-.032 (29%)	54.63	22.11	Redear sunfish
1	0-4	(223%)	.000	.000-.000 (223%)	0.05	0.02	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
2499	2132-2867	(15%)	.058	.048-.069 (19%)	111.88	0.133	All species
1707	1422-1992	(17%)	.038	.030-.045 (19%)	76.40	0.102	Bluegill
19	4-34	(78%)	.000	.000-.001 (94%)	0.84	0.277	Black x White crappie
2	0-7	(318%)	.000	.000-.000 (318%)	0.07	0.798	Carp
410	272-548	(34%)	.012	.005-.019 (60%)	18.35	0.629	Channel catfish
6	0-18	(187%)	.000	.000-.001 (203%)	0.27	0.093	Green sunfish
118	35-201	(70%)	.003	.001-.006 (78%)	5.27	0.791	Largemouth bass
238	184-292	(23%)	.005	.004-.006 (28%)	10.65	0.195	Redear sunfish
0	0-1	(223%)	.000	.000-.000 (223%)	0.02	0.364	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
5510	4700-6320	(15%)	.129	.105-.153 (19%)	99.82	0.293	All species
3763	3135-4391	(17%)	.083	.067-.099 (19%)	68.17	0.226	Bluegill
42	9-74	(78%)	.001	.000-.001 (94%)	0.75	0.612	Black x White crappie
4	0-15	(318%)	.000	.000-.000 (318%)	0.06	1.760	Carp
904	600-1208	(34%)	.027	.011-.043 (60%)	16.38	1.386	Channel catfish
14	0-39	(187%)	.001	.000-.002 (203%)	0.24	0.205	Green sunfish
260	77-443	(70%)	.007	.002-.013 (78%)	4.71	1.743	Largemouth bass
524	406-643	(23%)	.011	.008-.014 (28%)	9.50	0.430	Redear sunfish
1	0-3	(226%)	.000	.000-.000 (223%)	0.01	0.803	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
34757	30214-39300	(13%)	.910	.722-1.098 (21%)	1555.88	629.66	All species
24866	21112-28619	(15%)	.587	.491-.683 (16%)	1113.10	450.46	Bluegill
119	46-192	(61%)	.002	.001-.003 (68%)	5.33	2.16	Black x White crappie
2	0-10	(318%)	.000	.000-.000 (318%)	0.11	0.04	Carp
871	562-1179	(35%)	.024	.016-.032 (34%)	38.97	15.77	Channel catfish
160	9-311	(94%)	.011	.000-.022 (107%)	7.18	2.91	Green sunfish
7415	5838-8992	(21%)	.258	.076-.440 (71%)	331.94	134.33	Largemouth bass
1323	1043-1602	(21%)	.028	.021-.036 (26%)	59.20	23.96	Redear sunfish
1	0-4	(223%)	.000	.000-.000 (223%)	0.05	0.02	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
5026	4311-5742	(14%)	.147	.078-.216 (47%)	225.00	0.145	All species
2122	1789-2455	(16%)	.048	.040-.057 (17%)	94.99	0.085	Bluegill
25	9-42	(66%)	.000	.000-.001 (72%)	1.13	0.214	Black x White crappie
2	0-7	(318%)	.000	.000-.000 (318%)	0.07	0.798	Carp
481	312-650	(35%)	.014	.006-.021 (54%)	21.52	0.552	Channel catfish
10	0-23	(125%)	.000	.000-.001 (128%)	0.45	0.063	Green sunfish
2134	1593-2675	(25%)	.079	.002-.156 (97%)	95.54	0.288	Largemouth bass
252	198-306	(22%)	.005	.004-.007 (27%)	11.29	0.191	Redear sunfish
0	0-1	(223%)	.000	.000-.000 (223%)	0.02	0.364	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
11081	9505-12658	(14%)	.325	.172-.477 (47%)	200.75	0.319	All species
4678	3943-5413	(16%)	.106	.088-.125 (17%)	84.75	0.188	Bluegill
56	19-92	(66%)	.001	.000-.001 (72%)	1.01	0.472	Black x White crappie
4	0-15	(318%)	.000	.000-.000 (318%)	0.06	1.760	Carp
1060	687-1432	(35%)	.031	.014-.047 (54%)	19.20	1.218	Channel catfish
22	0-50	(125%)	.001	.000-.002 (128%)	0.41	0.140	Green sunfish
4705	3513-5897	(25%)	.174	.005-.343 (97%)	85.24	0.635	Largemouth bass
556	436-675	(22%)	.012	.009-.015 (27%)	10.07	0.420	Redear sunfish
1	0-3	(226%)	.000	.000-.000 (223%)	0.01	0.803	Yellow bullhead

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 Day periods (morning, midday, and afternoon) stratified.

SAMPLING RATIO: 144/279 = 51.6%

NUMBER OF INTERVIEWS: 424

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	3137	2595-3679 (17%)	57	47-67 (17%)	33%
	HOLIDAY	4082	3473-4692 (15%)	74	63-85 (15%)	45%
	TOTAL	7220	6424-8015 (11%)	131	116-145 (11%)	40%
SHORE	WEEKDAY	988	678-1298 (31%)	18	12-24 (31%)	13%
	HOLIDAY	1212	956-1468 (21%)	22	17-27 (21%)	24%
	TOTAL	2200	1807-2594 (18%)	40	33-47 (18%)	19%
BOAT & SHORE	WEEKDAY	4125	3501-4750 (15%)	75	63-86 (15%)	28%
	HOLIDAY	5295	4664-5925 (12%)	96	84-107 (12%)	40%
	TOTAL	9420	8533-10308 (9%)	171	155-187 (9%)	35%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
12096	9612-14580	(21%)	.572	.433-.710 (24%)	541.45	219.12	All species
10923	8557-13288	(22%)	.513	.387-.640 (25%)	488.94	197.87	Bluegill
63	17-110	(74%)	.002	.000-.005 (121%)	2.83	1.14	Black x White crappie
2	0-10	(318%)	.000	.000-.000 (318%)	0.11	0.04	Carp
165	90-240	(45%)	.010	.003-.017 (73%)	7.39	2.99	Channel catfish
67	0-188	(182%)	.008	.000-.023 (202%)	2.99	1.21	Green sunfish
76	21-131	(72%)	.004	.001-.006 (67%)	3.41	1.38	Largemouth bass
798	565-1031	(29%)	.035	.019-.051 (46%)	35.73	14.46	Redear sunfish
1	0-4	(223%)	.000	.000-.000 (226%)	0.05	0.02	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
1482	1202-1761	(19%)	.071	.054-.088 (23%)	66.33	0.123	All species
1159	909-1409	(22%)	.055	.042-.069 (25%)	51.89	0.106	Bluegill
18	3-32	(82%)	.001	.000-.001 (108%)	0.80	0.282	Black x White crappie
2	0-7	(318%)	.000	.000-.000 (430%)	0.07	0.798	Carp
87	52-122	(40%)	.005	.002-.008 (63%)	3.90	0.529	Channel catfish
6	0-18	(187%)	.001	.000-.002 (203%)	0.27	0.093	Green sunfish
62	13-112	(80%)	.003	.001-.005 (80%)	2.79	0.820	Largemouth bass
147	104-190	(29%)	.007	.004-.010 (44%)	6.59	0.184	Redear sunfish
0	0-1	(223%)	.000	.000-.000 (223%)	0.02	0.364	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
3267	2650-3883	(19%)	.157	.120-.193 (23%)	59.18	0.270	All species
2555	2004-3107	(22%)	.122	.092-.153 (25%)	46.29	0.234	Bluegill
39	7-71	(82%)	.001	.000-.003 (108%)	0.71	0.622	Black x White crappie
4	0-15	(318%)	.000	.000-.001 (318%)	0.06	1.760	Carp
192	116-269	(40%)	.010	.004-.017 (63%)	3.48	1.166	Channel catfish
14	0-39	(187%)	.002	.000-.005 (203%)	0.24	0.205	Green sunfish
137	28-247	(80%)	.006	.001-.011 (80%)	2.49	1.808	Largemouth bass
325	229-420	(29%)	.015	.008-.021 (44%)	5.88	0.407	Redear sunfish
1	0-3	(226%)	.000	.000-.000 (223%)	0.01	0.803	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
21732	18005-25458	(17%)	1.264	.796-1.732 (37%)	972.80	393.69	All species
15828	12636-19021	(20%)	.772	.594-.949 (23%)	708.55	286.75	Bluegill
108	36-181	(67%)	.004	.001-.008 (76%)	4.84	1.96	Black x White crappie
2	0-10	(318%)	.000	.000-.000 (318%)	0.11	0.04	Carp
208	127-289	(39%)	.013	.004-.022 (69%)	9.31	3.77	Channel catfish
113	0-262	(132%)	.010	.000-.029 (182%)	5.05	2.04	Green sunfish
4628	3279-5977	(29%)	.428	.000-.954 (123%)	207.17	83.84	Largemouth bass
843	609-1076	(28%)	.037	.021-.053 (44%)	37.72	15.26	Redear sunfish
1	0-4	(223%)	.000	.000-.000 (226%)	0.05	0.02	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
3119	2539-3700	(19%)	.226	.028-.424 (88%)	139.64	0.144	All species
1457	1161-1753	(20%)	.073	.055-.090 (24%)	65.23	0.092	Bluegill
23	7-40	(71%)	.001	.000-.001 (80%)	1.04	0.215	Black x White crappie
2	0-7	(318%)	.000	.000-.000 (430%)	0.07	0.798	Carp
98	61-136	(38%)	.005	.002-.009 (66%)	4.41	0.476	Channel catfish
9	0-21	(144%)	.001	.000-.002 (184%)	0.39	0.078	Green sunfish
1376	890-1861	(35%)	.139	.000-.335 (141%)	61.58	0.297	Largemouth bass
154	111-197	(28%)	.007	.004-.010 (43%)	6.90	0.183	Redear sunfish
0	0-1	(223%)	.000	.000-.000 (223%)	0.02	0.364	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
6877	5597-8157	(19%)	.499	.062-.935 (88%)	124.59	0.316	All species
3213	2561-3865	(20%)	.160	.122-.198 (24%)	58.20	0.203	Bluegill
51	15-88	(71%)	.002	.000-.003 (80%)	0.93	0.474	Black x White crappie
4	0-15	(318%)	.000	.000-.001 (318%)	0.06	1.760	Carp
217	134-300	(38%)	.012	.004-.020 (66%)	3.93	1.049	Channel catfish
19	0-47	(144%)	.002	.000-.005 (184%)	0.35	0.173	Green sunfish
3033	1962-4103	(35%)	.307	.000-.739 (141%)	54.94	0.655	Largemouth bass
340	245-435	(28%)	.015	.009-.022 (43%)	6.16	0.404	Redear sunfish
1	0-3	(226%)	.000	.000-.000 (223%)	0.01	0.803	Yellow bullhead