

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

1989 RAMSEY
 47 ACRES
 REGION 5, DISTRICT 14

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1989 through 11/15/1989
 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: 375/738 = 50.8%

NUMBER OF INTERVIEWS: 1046

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	2786	2163-3409 (22%)	60	46-73 (22%)	20%
	HOLIDAY	3730	3154-4306 (15%)	80	68-92 (15%)	53%
	TOTAL	6516	5668-7364 (13%)	140	122-158 (13%)	39%
SHORE	WEEKDAY	1964	1561-2367 (20%)	42	34-51 (20%)	19%
	HOLIDAY	2893	2302-3484 (20%)	62	49-75 (20%)	45%
	TOTAL	4857	4168-5547 (14%)	104	89-119 (14%)	34%
BOAT & SHORE	WEEKDAY	4750	4008-5492 (16%)	102	86-118 (16%)	19%
	HOLIDAY	6623	5820-7426 (12%)	142	125-159 (12%)	49%
	TOTAL	11373	10280-12466 (10%)	244	221-268 (10%)	37%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
4140	2800-5480	(32%)	.207	.131-.283 (37%)	219.54	88.85	All species
3136	2022-4250	(36%)	.152	.089-.216 (42%)	166.28	67.29	Bluegill
16	0-41	(165%)	.001	.000-.002 (173%)	0.83	0.33	Black x White crapp
576	414-738	(28%)	.033	.021-.045 (37%)	30.54	12.36	Channel catfish
306	0-660	(116%)	.017	.000-.037 (120%)	16.22	6.56	Green sunfish
17	0-46	(174%)	.000	.000-.001 (258%)	0.89	0.36	Largemouth bass
90	39-141	(56%)	.004	.001-.006 (67%)	4.79	1.94	Redear sunfish

Table 3. Total fishing harvest and harvest rates, in kilograms.

KG HARVESTED	95% CI		KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
751	579-923	(23%)	.041	.028-.053 (30%)	39.82	0.181	All species
260	174-346	(33%)	.012	.007-.017 (41%)	13.78	0.083	Bluegill
3	0-7	(164%)	.000	.000-.000 (172%)	0.13	0.169	Black x White crapp
441	315-567	(29%)	.026	.016-.037 (39%)	23.39	0.767	Channel catfish
21	0-45	(112%)	.001	.000-.003 (117%)	1.13	0.070	Green sunfish
18	0-64	(261%)	.000	.000-.001 (287%)	0.94	1.107	Largemouth bass
8	4-13	(52%)	.000	.000-.001 (61%)	0.45	0.094	Redear sunfish

Table 4. Total fishing harvest and harvest rates, in pounds.

LB HARVESTED	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
1656	1276-2035	(23%)	.089	.063-.116 (30%)	35.53	0.400	All species
573	383-763	(33%)	.027	.016-.038 (41%)	12.30	0.183	Bluegill
6	0-15	(164%)	.000	.000-.001 (172%)	0.12	0.374	Black x White crapp
972	694-1251	(29%)	.058	.035-.081 (39%)	20.87	1.691	Channel catfish
47	0-99	(112%)	.003	.000-.006 (117%)	1.01	0.154	Green sunfish
39	0-141	(261%)	.001	.000-.003 (287%)	0.84	2.440	Largemouth bass
19	9-28	(52%)	.001	.000-.001 (61%)	0.40	0.207	Redear sunfish

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
20188	16746-23630 (17%)	1.296	.981-1.611(24%)	1070.49	433.22	All species
8644	6498-10790 (25%)	.459	.319-.599 (31%)	458.36	185.50	Bluegill
90	25-154 (72%)	.011	.000-.028 (154%)	4.75	1.92	Black x White crapp
685	513-857 (25%)	.039	.026-.052 (33%)	36.32	14.70	Channel catfish
1392	863-1921 (38%)	.077	.047-.107 (39%)	73.80	29.87	Green sunfish
9140	7279-11001 (20%)	.700	.454-.946 (35%)	484.65	196.14	Largemouth bass
238	131-345 (45%)	.010	.007-.014 (37%)	12.61	5.10	Redear sunfish

Table 6. Total fishing catch and catch rates, in kilograms.

KG CAUGHT	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
2309	1916-2703 (17%)	.154	.113-.196 (27%)	122.45	0.114	All species
446	331-561 (26%)	.022	.015-.029 (32%)	23.66	0.052	Bluegill
9	2-16 (76%)	.001	.000-.003 (157%)	0.48	0.101	Black x White crapp
486	357-615 (27%)	.028	.018-.039 (36%)	25.76	0.710	Channel catfish
64	36-92 (44%)	.004	.002-.005 (45%)	3.39	0.046	Green sunfish
1288	981-1594 (24%)	.098	.062-.134 (37%)	68.28	0.141	Largemouth bass
17	10-24 (42%)	.001	.000-.001 (38%)	0.89	0.071	Redear sunfish

Table 7. Total fishing catch and catch rates, in pounds.

LB CAUGHT	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
5091	4224-5959 (17%)	.340	.248-.431 (27%)	109.25	0.252	All species
984	730-1237 (26%)	.049	.033-.065 (32%)	21.11	0.114	Bluegill
20	5-35 (76%)	.002	.000-.006 (157%)	0.43	0.224	Black x White crapp
1071	786-1356 (27%)	.063	.040-.086 (36%)	22.99	1.566	Channel catfish
141	79-202 (44%)	.008	.004-.012 (45%)	3.02	0.101	Green sunfish
2839	2163-3515 (24%)	.216	.137-.295 (37%)	60.92	0.311	Largemouth bass
37	21-52 (42%)	.002	.001-.002 (38%)	0.79	0.156	Redear sunfish