

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 1993 CREEL SURVEY RESULTS

1993 RAMSEY LAKE
 55 ACRES
 REGION 4, DISTRICT 12

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1993 through 11/15/1993
 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: 349/738 = 47.3%

NUMBER OF INTERVIEWS: 1090

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	6527	5592-7461 (14%)	118	101-135 (14%)	23%
	HOLIDAY	7301	6574-8029 (10%)	132	119-145 (10%)	45%
	TOTAL	13828	12643-15013 (9%)	251	229-272 (9%)	35%
SHORE	WEEKDAY	1552	1208-1896 (22%)	28	22-34 (22%)	17%
	HOLIDAY	1986	1687-2286 (15%)	36	31-41 (15%)	27%
	TOTAL	3538	3082-3994 (13%)	64	56-72 (13%)	23%
BOAT & SHORE	WEEKDAY	8078	7082-9075 (12%)	146	128-164 (12%)	22%
	HOLIDAY	9288	8501-10075 (8%)	168	154-183 (8%)	42%
	TOTAL	17366	16097-18636 (7%)	315	292-338 (7%)	33%

03/15/1993 - 11/15/1993

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
9684	8364-11004 (14%)	.340	.282-.399 (17%)	433.48	175.43	All species
8339	7098-9580 (15%)	.293	.235-.351 (20%)	373.29	151.07	Bluegill
426	0-938 (120%)	.020	.000-.058 (193%)	19.05	7.71	Black x White crapp
327	222-433 (32%)	.010	.006-.014 (44%)	14.66	5.93	Channel catfish
5	0-11 (136%)	.000	.000-.001 (153%)	0.21	0.09	Green sunfish
91	30-153 (68%)	.004	.001-.008 (80%)	4.10	1.66	Largemouth bass
475	344-607 (28%)	.012	.008-.016 (36%)	21.28	8.61	Redear sunfish
5	0-18 (236%)	.000	.000-.000 (245%)	0.24	0.10	White crappie
15	0-47 (220%)	.001	.000-.002 (218%)	0.66	0.27	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
1459	1270-1647 (13%)	.053	.043-.062 (17%)	65.30	0.151	All species
944	801-1087 (15%)	.034	.027-.042 (21%)	42.27	0.113	Bluegill
84	0-183 (117%)	.004	.000-.011 (190%)	3.78	0.199	Black x White crapp
230	151-309 (34%)	.007	.004-.011 (48%)	10.31	0.704	Channel catfish
0	0-1 (166%)	.000	.000-.000 (180%)	0.02	0.117	Green sunfish
68	19-117 (72%)	.003	.001-.006 (84%)	3.05	0.750	Largemouth bass
123	90-156 (27%)	.003	.002-.004 (35%)	5.51	0.259	Redear sunfish
0	0-0 (245%)	.000	.000-.000 (245%)	0.01	0.026	White crappie
8	0-25 (218%)	.000	.000-.001 (218%)	0.35	0.560	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
3216	2800-3632 (13%)	.116	.096-.136 (17%)	58.26	0.332	All species
2082	1766-2397 (15%)	.076	.060-.092 (21%)	37.72	0.250	Bluegill
186	0-404 (117%)	.009	.000-.025 (190%)	3.37	0.438	Black x White crapp
508	333-682 (34%)	.016	.008-.024 (48%)	9.19	1.552	Channel catfish
1	0-3 (166%)	.000	.000-.000 (180%)	0.02	0.257	Green sunfish
150	42-259 (72%)	.007	.001-.014 (84%)	2.73	1.653	Largemouth bass
271	199-343 (27%)	.007	.004-.009 (35%)	4.91	0.571	Redear sunfish
0	0-1 (245%)	.000	.000-.000 (236%)	0.01	0.057	White crappie
17	0-55 (220%)	.001	.000-.003 (218%)	0.31	1.234	Yellow bullhead

03/15/1993 - 11/15/1993

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
20839	18415-23262 (12%)	.753	.661-.846 (12%)	932.83	377.51	All species
12274	10453-14096 (15%)	.415	.341-.490 (18%)	549.44	222.36	Bluegill
645	0-1433 (122%)	.031	.000-.090 (194%)	28.87	11.68	Black x White crapp
377	267-488 (29%)	.011	.007-.016 (41%)	16.89	6.84	Channel catfish
17	0-43 (150%)	.000	.000-.001 (104%)	0.78	0.31	Green sunfish
6970	5692-8248 (18%)	.281	.204-.357 (27%)	312.02	126.27	Largemouth bass
535	401-668 (25%)	.015	.010-.019 (34%)	23.93	9.68	Redear sunfish
5	0-18 (236%)	.000	.000-.000 (245%)	0.24	0.10	White crappie
15	0-47 (220%)	.001	.000-.002 (218%)	0.66	0.27	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
3745	3266-4225 (13%)	.149	.120-.179 (20%)	167.66	0.180	All species
1142	975-1310 (15%)	.041	.033-.049 (20%)	51.14	0.093	Bluegill
108	0-236 (119%)	.005	.000-.015 (193%)	4.81	0.167	Black x White crapp
244	164-324 (33%)	.008	.004-.011 (47%)	10.93	0.647	Channel catfish
1	0-2 (110%)	.000	.000-.000 (133%)	0.04	0.053	Green sunfish
2107	1684-2530 (20%)	.092	.061-.122 (34%)	94.30	0.302	Largemouth bass
136	103-169 (24%)	.004	.002-.005 (36%)	6.09	0.255	Redear sunfish
0	0-0 (245%)	.000	.000-.000 (245%)	0.01	0.026	White crappie
8	0-25 (218%)	.000	.000-.001 (218%)	0.35	0.560	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
8257	7200-9315 (13%)	.329	.264-.394 (20%)	149.59	0.396	All species
2518	2150-2887 (15%)	.090	.072-.107 (20%)	45.62	0.205	Bluegill
237	0-520 (119%)	.011	.000-.032 (193%)	4.29	0.368	Black x White crapp
538	362-714 (33%)	.017	.009-.025 (47%)	9.75	1.427	Channel catfish
2	0-4 (110%)	.000	.000-.000 (133%)	0.04	0.118	Green sunfish
4644	3712-5577 (20%)	.202	.134-.270 (34%)	84.13	0.666	Largemouth bass
300	227-373 (24%)	.008	.005-.011 (36%)	5.43	0.561	Redear sunfish
0	0-1 (245%)	.000	.000-.000 (236%)	0.01	0.057	White crappie
17	0-55 (220%)	.001	.000-.003 (218%)	0.31	1.234	Yellow bullhead