

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 1991 CREEL SURVEY RESULTS

1991 RAMSEY LAKE
 55 ACRES
 REGION 5, DISTRICT 14

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1991 through 11/15/1991
 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: 337/738 = 45.7%

NUMBER OF INTERVIEWS: 755

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	4465	3649-5281 (18%)	81	66-96 (18%)	24%
	HOLIDAY	6989	6033-7946 (14%)	127	109-144 (14%)	41%
	TOTAL	11454	10234-12673 (11%)	207	185-230 (11%)	34%
SHORE	WEEKDAY	1653	1165-2141 (30%)	30	21-39 (30%)	19%
	HOLIDAY	1606	1343-1870 (16%)	29	24-34 (16%)	39%
	TOTAL	3259	2713-3806 (17%)	59	49-69 (17%)	29%
BOAT & SHORE	WEEKDAY	6118	5184-7051 (15%)	111	94-128 (15%)	22%
	HOLIDAY	8595	7607-9583 (11%)	156	138-174 (11%)	41%
	TOTAL	14713	13386-16040 (9%)	267	242-291 (9%)	33%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
22922	17895-27948	(22%)	.738	.593-.883 (20%)	1026.07	415.25	All species
34	0-69	(101%)	.001	.000-.005 (226%)	1.53	0.62	Bluegill x Green su
20700	16106-25295	(22%)	.677	.539-.815 (20%)	926.64	375.00	Bluegill
134	0-368	(176%)	.003	.000-.009 (202%)	5.98	2.42	Black x White crapp
481	306-656	(36%)	.018	.007-.029 (62%)	21.53	8.71	Channel catfish
64	7-122	(89%)	.001	.000-.002 (118%)	2.88	1.17	Green sunfish
65	29-101	(55%)	.004	.000-.010 (133%)	2.91	1.18	Largemouth bass
1441	1017-1865	(29%)	.034	.023-.044 (31%)	64.50	26.10	Redear sunfish
2	0-8	(220%)	.000	.000-.000 (220%)	0.11	0.04	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
2419	1919-2918	(21%)	.078	.063-.093 (19%)	108.28	0.106	All species
4	0-9	(114%)	.000	.000-.001 (234%)	0.18	0.121	Bluegill x Green su
1744	1359-2129	(22%)	.056	.044-.067 (20%)	78.07	0.084	Bluegill
47	0-161	(239%)	.001	.000-.004 (257%)	2.12	0.357	Black x White crapp
324	205-444	(37%)	.012	.005-.018 (56%)	14.52	0.674	Channel catfish
7	0-14	(101%)	.000	.000-.000 (66%)	0.32	0.111	Green sunfish
58	23-93	(61%)	.004	.001-.006 (81%)	2.59	0.905	Largemouth bass
233	163-303	(30%)	.006	.004-.007 (31%)	10.44	0.162	Redear sunfish
1	0-2	(218%)	.000	.000-.000 (220%)	0.03	0.359	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
5333	4231-6434	(21%)	.172	.139-.205 (19%)	96.61	0.233	All species
9	0-19	(114%)	.000	.000-.001 (234%)	0.16	0.266	Bluegill x Green su
3845	2996-4693	(22%)	.123	.098-.148 (20%)	69.65	0.186	Bluegill
105	0-355	(239%)	.003	.000-.009 (257%)	1.90	0.787	Black x White crapp
715	452-978	(37%)	.026	.012-.041 (56%)	12.96	1.487	Channel catfish
16	0-32	(101%)	.000	.000-.000 (66%)	0.28	0.245	Green sunfish
128	50-206	(61%)	.008	.001-.014 (81%)	2.31	1.996	Largemouth bass
514	360-669	(30%)	.012	.008-.016 (31%)	9.31	0.357	Redear sunfish
2	0-5	(218%)	.000	.000-.000 (218%)	0.03	0.792	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
42282	34553-50012 (18%)	1.414	1.189-1.639 (16%)	1892.75	765.99	All species
34	0-69 (101%)	.001	.000-.005 (226%)	1.53	0.62	Bluegill x Green su
36437	29323-43551 (20%)	1.205	.995-1.416 (17%)	1631.09	660.09	Bluegill
228	10-445 (96%)	.008	.000-.021 (179%)	10.18	4.12	Black x White crapp
596	386-805 (35%)	.024	.012-.037 (53%)	26.67	10.80	Channel catfish
157	68-246 (57%)	.003	.001-.004 (66%)	7.03	2.85	Green sunfish
3242	2591-3894 (20%)	.135	.093-.178 (31%)	145.15	58.74	Largemouth bass
1586	1154-2018 (27%)	.037	.027-.048 (29%)	70.99	28.73	Redear sunfish
2	0-8 (220%)	.000	.000-.000 (220%)	0.11	0.04	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
3868	3224-4513 (17%)	.130	.110-.149 (15%)	173.17	0.091	All species
4	0-9 (114%)	.000	.000-.001 (234%)	0.18	0.121	Bluegill x Green su
2460	1961-2958 (20%)	.078	.064-.092 (18%)	110.10	0.068	Bluegill
65	0-183 (181%)	.002	.000-.006 (163%)	2.93	0.288	Black x White crapp
349	227-471 (35%)	.013	.006-.020 (53%)	15.62	0.587	Channel catfish
13	4-21 (65%)	.000	.000-.000 (46%)	0.56	0.080	Green sunfish
730	581-878 (20%)	.030	.021-.039 (29%)	32.67	0.225	Largemouth bass
247	177-318 (29%)	.006	.004-.008 (30%)	11.07	0.156	Redear sunfish
1	0-2 (218%)	.000	.000-.000 (220%)	0.03	0.359	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
8528	7107-9949 (17%)	.286	.242-.329 (15%)	154.50	0.202	All species
9	0-19 (114%)	.000	.000-.001 (234%)	0.16	0.266	Bluegill x Green su
5422	4322-6522 (20%)	.172	.141-.203 (18%)	98.23	0.149	Bluegill
144	0-404 (181%)	.005	.000-.013 (163%)	2.61	0.635	Black x White crapp
769	500-1039 (35%)	.029	.014-.044 (53%)	13.94	1.293	Channel catfish
28	10-46 (65%)	.000	.000-.000 (46%)	0.50	0.177	Green sunfish
1609	1282-1936 (20%)	.066	.047-.085 (29%)	29.15	0.496	Largemouth bass
545	390-701 (29%)	.013	.009-.017 (30%)	9.88	0.344	Redear sunfish
2	0-5 (218%)	.000	.000-.000 (218%)	0.03	0.792	Yellow bullhead