

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 1990 CREEL SURVEY RESULTS

1990 RAMSEY
 55 ACRES
 REGION 5, DISTRICT 14

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1990 through 11/15/1990
 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: 394/738 = 53.4%

NUMBER OF INTERVIEWS: 1697

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	3997	3413-4581 (15%)	72	62-83 (15%)	32%
	HOLIDAY	6026	5333-6718 (11%)	109	97-122 (11%)	55%
	TOTAL	10023	9117-10929 (9%)	182	165-198 (9%)	46%
SHORE	WEEKDAY	2530	2118-2942 (16%)	46	38-53 (16%)	23%
	HOLIDAY	3069	2574-3565 (16%)	56	47-65 (16%)	45%
	TOTAL	5599	4955-6244 (12%)	101	90-113 (12%)	35%
BOAT & SHORE	WEEKDAY	6527	5813-7242 (11%)	118	105-131 (11%)	28%
	HOLIDAY	9095	8244-9947 (9%)	165	149-180 (9%)	51%
	TOTAL	15622	14511-16734 (7%)	283	263-303 (7%)	42%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
25799	22217-29381 (14%)	1.046	.821-1.271 (22%)	1154.87	467.37	All species
21850	18610-25091 (15%)	.887	.674-1.101 (24%)	978.12	395.84	Bluegill
25	0-57 (127%)	.001	.000-.002 (123%)	1.12	0.45	Brown bullhead
258	147-369 (43%)	.012	.007-.018 (46%)	11.54	4.67	Black x White crapp
1141	573-1708 (50%)	.050	.033-.067 (34%)	51.06	20.66	Channel catfish
272	134-411 (51%)	.008	.005-.011 (40%)	12.19	4.93	Green sunfish
147	84-210 (43%)	.004	.002-.006 (54%)	6.59	2.67	Largemouth bass
2106	1717-2495 (18%)	.083	.053-.113 (36%)	94.25	38.14	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
3374	2886-3862 (14%)	.143	.118-.168 (18%)	151.04	0.131	All species
1945	1652-2238 (15%)	.078	.059-.097 (24%)	87.07	0.089	Bluegill
7	0-17 (130%)	.000	.000-.001 (122%)	0.33	0.298	Brown bullhead
40	22-57 (44%)	.002	.001-.003 (46%)	1.78	0.155	Black x White crapp
1002	615-1389 (39%)	.050	.032-.067 (35%)	44.85	0.879	Channel catfish
24	11-37 (53%)	.001	.000-.001 (40%)	1.07	0.088	Green sunfish
117	69-165 (41%)	.003	.002-.005 (50%)	5.24	0.796	Largemouth bass
239	196-282 (18%)	.009	.006-.012 (32%)	10.69	0.113	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
7438	6363-8514 (14%)	.315	.260-.371 (18%)	134.75	0.288	All species
4288	3642-4934 (15%)	.172	.130-.214 (24%)	77.68	0.196	Bluegill
16	0-38 (130%)	.001	.000-.001 (122%)	0.30	0.656	Brown bullhead
88	49-126 (44%)	.004	.002-.006 (46%)	1.59	0.341	Black x White crapp
2209	1356-3062 (39%)	.110	.071-.149 (35%)	40.02	1.938	Channel catfish
53	25-81 (53%)	.002	.001-.002 (40%)	0.96	0.194	Green sunfish
258	153-363 (41%)	.007	.004-.011 (50%)	4.68	1.756	Largemouth bass
526	432-621 (18%)	.020	.014-.026 (32%)	9.53	0.250	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
62087	54743-69432	(12%)	2.510	2.156-2.864	(14%)	2779.311	124.77 All species
48975	42623-55328	(13%)	1.938	1.617-2.260	(17%)	2192.36	887.23 Bluegill
25	0-57	(127%)	.001	.000-.002	(123%)	1.12	0.45 Brown bullhead
527	345-710	(35%)	.024	.013-.034	(44%)	23.59	9.55 Black x White
crapp							
1454	847-2062	(42%)	.061	.042-.080	(31%)	65.11	26.35 Channel catfish
680	373-988	(45%)	.028	.016-.041	(45%)	30.46	12.33 Green sunfish
7096	5997-8196	(15%)	.332	.271-.394	(18%)	317.66	128.55 Largemouth bass
3329	2727-3931	(18%)	.125	.093-.157	(26%)	149.02	60.31 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
6309	5624-6993	(11%)	.271	.237-.305	(13%)	282.41	0.102 All species
3228	2811-3645	(13%)	.128	.106-.150	(17%)	144.49	0.066 Bluegill
7	0-17	(130%)	.000	.000-.001	(122%)	0.33	0.298 Brown bullhead
66	42-91	(37%)	.003	.002-.004	(45%)	2.97	0.126 Black x White
crapp							
1091	697-1485	(36%)	.052	.034-.070	(34%)	48.85	0.750 Channel catfish
49	25-73	(49%)	.002	.001-.003	(45%)	2.18	0.072 Green sunfish
1547	1295-1799	(16%)	.074	.057-.091	(23%)	69.24	0.218 Largemouth bass
320	265-376	(17%)	.012	.009-.016	(25%)	14.35	0.096 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
13908	12400-15417	(11%)	.597	.522-.673	(13%)	251.96	0.224 All species
7116	6196-8036	(13%)	.281	.233-.330	(17%)	128.92	0.145 Bluegill
16	0-38	(130%)	.001	.000-.001	(122%)	0.30	0.656 Brown bullhead
146	92-201	(37%)	.007	.004-.009	(45%)	2.65	0.277 Black x White
crapp							
2406	1537-3275	(36%)	.114	.075-.153	(34%)	43.58	1.655 Channel catfish
107	55-160	(49%)	.004	.002-.006	(45%)	1.95	0.158 Green sunfish
3410	2855-3965	(16%)	.163	.125-.201	(23%)	61.78	0.481 Largemouth bass
707	585-828	(17%)	.027	.021-.034	(25%)	12.80	0.212 Redear sunfish