

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

1993 JONES LAKE
 100 ACRES
 REGION 5, DISTRICT 17

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: 339/738 = 45.9%

NUMBER OF INTERVIEWS: 1207

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	6174	5542-6805 (10%)	62	56-68 (10%)	16%
	HOLIDAY	3830	3484-4175 (9%)	38	35-42 (9%)	33%
	TOTAL	10003	9283-10723 (7%)	100	93-108 (7%)	23%
SHORE	WEEKDAY	5057	4283-5832 (15%)	51	43-59 (15%)	12%
	HOLIDAY	3480	2665-4295 (23%)	35	27-43 (23%)	28%
	TOTAL	8538	7495-9580 (12%)	86	75-96 (12%)	18%
BOAT & SHORE	WEEKDAY	11231	10260-12201 (9%)	113	103-123 (9%)	14%
	HOLIDAY	7310	6457-8162 (12%)	73	65-82 (12%)	31%
	TOTAL	18541	17321-19760 (7%)	186	174-198 (7%)	21%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
29526	26641-32410 (10%)	1.299	1.174-1.424 (10%)	732.51	296.44	All species
3424	2453-4396 (28%)	.221	.164-.278 (26%)	84.95	34.38	Black crappie
16089	13987-18192 (13%)	.640	.545-.735 (15%)	399.16	161.54	Bluegill
6530	5637-7422 (14%)	.318	.271-.365 (15%)	162.00	65.56	Channel catfish
156	0-330 (111%)	.005	.000-.009 (106%)	3.87	1.57	Green sunfish
539	336-743 (38%)	.025	.013-.036 (47%)	13.38	5.42	Largemouth bass
2788	1898-3677 (32%)	.091	.066-.116 (27%)	69.16	27.99	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
5793	5250-6335 (9%)	.280	.253-.306 (9%)	143.71	0.196	All species
1073	755-1390 (30%)	.070	.052-.089 (26%)	26.61	0.313	Black crappie
1525	1325-1724 (13%)	.060	.051-.069 (15%)	37.82	0.095	Bluegill
2407	2060-2754 (14%)	.118	.100-.137 (15%)	59.73	0.369	Channel catfish
16	0-33 (102%)	.000	.000-.001 (98%)	0.40	0.104	Green sunfish
405	252-558 (38%)	.019	.010-.027 (46%)	10.05	0.751	Largemouth bass
367	257-477 (30%)	.012	.009-.016 (28%)	9.10	0.132	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
12771	11574-13967 (9%)	.616	.558-.675 (9%)	128.22	0.433	All species
2365	1665-3065 (30%)	.155	.114-.195 (26%)	23.75	0.691	Black crappie
3361	2921-3802 (13%)	.132	.113-.152 (15%)	33.75	0.209	Bluegill
5307	4542-6072 (14%)	.261	.220-.301 (15%)	53.29	0.813	Channel catfish
35	0-72 (102%)	.001	.000-.002 (98%)	0.36	0.229	Green sunfish
893	555-1231 (38%)	.041	.022-.060 (46%)	8.96	1.656	Largemouth bass
809	567-1051 (30%)	.027	.019-.034 (28%)	8.12	0.290	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	
38943	35840-42046	(8%)	1.679	1.556-1.802	(7%)	966.14	390.99	All species
3612	2620-4603	(27%)	.233	.175-.291	(25%)	89.60	36.26	Black crappie
16577	14459-18694	(13%)	.662	.567-.756	(14%)	411.25	166.43	Bluegill
6712	5819-7604	(13%)	.328	.281-.374	(14%)	166.51	67.39	Channel catfish
159	0-333	(109%)	.005	.000-.010	(104%)	3.94	1.60	Green sunfish
9089	7446-10731	(18%)	.360	.299-.421	(17%)	225.48	91.25	Largemouth bass
2796	1906-3686	(32%)	.092	.067-.117	(27%)	69.36	28.07	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	
10237	9307-11167	(9%)	.455	.421-.490	(8%)	253.97	0.263	All species
1093	774-1412	(29%)	.072	.053-.091	(26%)	27.12	0.303	Black crappie
1554	1353-1754	(13%)	.061	.052-.070	(15%)	38.55	0.094	Bluegill
2446	2100-2791	(14%)	.120	.102-.139	(15%)	60.68	0.364	Channel catfish
16	0-33	(100%)	.000	.000-.001	(97%)	0.41	0.104	Green sunfish
4760	3901-5619	(18%)	.189	.157-.221	(17%)	118.09	0.524	Largemouth bass
368	258-478	(30%)	.012	.009-.016	(28%)	9.13	0.132	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	
22569	20519-24618	(9%)	1.004	.927-1.080	(8%)	226.59	0.580	All species
2410	1707-3112	(29%)	.159	.118-.200	(26%)	24.19	0.667	Black crappie
3426	2984-3867	(13%)	.135	.115-.154	(15%)	34.39	0.207	Bluegill
5392	4631-6153	(14%)	.265	.225-.306	(15%)	54.14	0.803	Channel catfish
36	0-73	(100%)	.001	.000-.002	(97%)	0.36	0.230	Green sunfish
10494	8601-12387	(18%)	.416	.346-.487	(17%)	105.36	1.155	Largemouth bass
811	569-1053	(30%)	.027	.020-.035	(28%)	8.14	0.290	Redear sunfish