

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

1990 JONES
 100 ACRES
 REGION 5, DISTRICT 17

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: 388/738 = 52.6%

NUMBER OF INTERVIEWS: 1576

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	5626	5111-6141 (9%)	56	51-62 (9%)	24%
	HOLIDAY	3892	3550-4234 (9%)	39	36-43 (9%)	49%
	TOTAL	9518	8900-10137 (6%)	96	89-102 (6%)	34%
SHORE	WEEKDAY	4336	3781-4891 (13%)	44	38-49 (13%)	16%
	HOLIDAY	2956	2660-3252 (10%)	30	27-33 (10%)	37%
	TOTAL	7292	6663-7921 (9%)	73	67-80 (9%)	24%
BOAT & SHORE	WEEKDAY	9962	9204-10719 (8%)	100	92-108 (8%)	20%
	HOLIDAY	6849	6396-7301 (7%)	69	64-73 (7%)	44%
	TOTAL	16810	15928-17692 (5%)	169	160-178 (5%)	30%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
15030	13650-16410 (9%)	.748	.686-.810 (8%)	372.88	150.90	All species
1536	1163-1910 (24%)	.112	.083-.140 (25%)	38.12	15.43	Black crappie
7576	6523-8630 (14%)	.350	.304-.396 (13%)	187.97	76.07	Bluegill
3124	2691-3558 (14%)	.151	.127-.174 (16%)	77.51	31.37	Channel catfish
77	18-136 (77%)	.003	.001-.006 (81%)	1.91	0.77	Green sunfish
1119	939-1299 (16%)	.061	.051-.072 (17%)	27.76	11.23	Largemouth bass
1588	1222-1954 (23%)	.071	.053-.089 (25%)	39.39	15.94	Redear sunfish
9	0-20 (122%)	.000	.000-.000 (111%)	0.23	0.09	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
3249	2975-3523 (8%)	.169	.155-.183 (8%)	80.61	0.216	All species
384	250-518 (35%)	.029	.021-.038 (28%)	9.53	0.250	Black crappie
643	552-735 (14%)	.029	.025-.032 (13%)	15.96	0.085	Bluegill
1112	951-1273 (14%)	.053	.045-.062 (16%)	27.59	0.356	Channel catfish
5	1-9 (73%)	.000	.000-.000 (77%)	0.13	0.070	Green sunfish
908	742-1074 (18%)	.049	.040-.058 (18%)	22.53	0.812	Largemouth bass
191	144-237 (24%)	.008	.006-.011 (28%)	4.73	0.120	Redear sunfish
6	0-13 (115%)	.000	.000-.000 (115%)	0.15	0.664	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
7163	6559-7767 (8%)	.373	.342-.403 (8%)	71.92	0.477	All species
847	551-1142 (35%)	.065	.046-.083 (28%)	8.50	0.551	Black crappie
1418	1217-1620 (14%)	.063	.055-.071 (13%)	14.24	0.187	Bluegill
2451	2097-2805 (14%)	.118	.099-.137 (16%)	24.61	0.785	Channel catfish
12	3-20 (73%)	.001	.000-.001 (77%)	0.12	0.155	Green sunfish
2002	1636-2367 (18%)	.108	.088-.127 (18%)	20.10	1.790	Largemouth bass
420	317-523 (24%)	.018	.013-.024 (28%)	4.22	0.265	Redear sunfish
13	0-28 (115%)	.000	.000-.001 (115%)	0.13	1.464	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	
22792	21149-24435	(7%)	1.192	1.105-1.278	(7%)	565.45	228.84	All species
1538	1164-1912	(24%)	.112	.084-.140	(25%)	38.16	15.44	Black crappie
8089	6994-9183	(14%)	.372	.324-.419	(13%)	200.67	81.21	Bluegill
3525	3040-4010	(14%)	.169	.143-.195	(16%)	87.46	35.39	Channel catfish
115	28-201	(76%)	.005	.001-.008	(71%)	2.84	1.15	Green sunfish
7929	7013-8844	(12%)	.463	.393-.534	(15%)	196.70	79.60	Largemouth bass
1588	1222-1954	(23%)	.071	.053-.089	(25%)	39.39	15.94	Redear sunfish
9	0-20	(122%)	.000	.000-.000	(111%)	0.23	0.09	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	
6446	5943-6950	(8%)	.356	.323-.390	(9%)	159.93	0.283	All species
384	250-519	(35%)	.029	.021-.038	(28%)	9.54	0.250	Black crappie
668	575-761	(14%)	.030	.026-.033	(13%)	16.56	0.083	Bluegill
1156	993-1319	(14%)	.055	.047-.064	(15%)	28.68	0.328	Channel catfish
8	2-13	(74%)	.000	.000-.001	(69%)	0.19	0.068	Green sunfish
4034	3559-4509	(12%)	.234	.199-.268	(15%)	100.08	0.509	Largemouth bass
191	144-237	(24%)	.008	.006-.011	(28%)	4.73	0.120	Redear sunfish
6	0-13	(115%)	.000	.000-.000	(115%)	0.15	0.664	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	
14212	13101-15322	(8%)	.786	.711-.860	(9%)	142.69	0.624	All species
847	552-1143	(35%)	.065	.046-.083	(28%)	8.51	0.551	Black crappie
1472	1267-1677	(14%)	.065	.057-.074	(13%)	14.78	0.182	Bluegill
2548	2190-2907	(14%)	.122	.103-.141	(15%)	25.59	0.723	Channel catfish
17	4-30	(74%)	.001	.000-.001	(69%)	0.17	0.150	Green sunfish
8893	7845-9941	(12%)	.515	.440-.590	(15%)	89.29	1.122	Largemouth bass
420	317-523	(24%)	.018	.013-.024	(28%)	4.22	0.265	Redear sunfish
13	0-28	(115%)	.000	.000-.001	(115%)	0.13	1.464	Yellow bullhead