

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 1989 CREEL SURVEY RESULTS

1989 JONES
 71 ACRES
 REGION 5, DISTRICT 17

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1989 through 11/15/1989
 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: 385/738 = 52.2%

NUMBER OF INTERVIEWS: 1318

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	5502	4979-6026 (10%)	77	70-85 (10%)	25%
	HOLIDAY	3699	3400-3997 (8%)	52	48-56 (8%)	50%
	TOTAL	9201	8598-9804 (7%)	130	121-138 (7%)	35%
SHORE	WEEKDAY	3810	3386-4233 (11%)	54	48-60 (11%)	17%
	HOLIDAY	2712	2429-2996 (10%)	38	34-42 (10%)	40%
	TOTAL	6522	6013-7031 (8%)	92	85-99 (8%)	27%
BOAT & SHORE	WEEKDAY	9312	8639-9985 (7%)	131	122-141 (7%)	22%
	HOLIDAY	6411	5999-6823 (6%)	90	84-96 (6%)	46%
	TOTAL	15723	14934-16512 (5%)	221	210-233 (5%)	31%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
12502	11013-13991 (12%)	.643	.572-.715 (11%)	435.11	176.09	All species
1081	762-1400 (30%)	.075	.044-.105 (41%)	37.63	15.23	Black crappie
6686	5522-7850 (17%)	.334	.277-.391 (17%)	232.70	94.17	Bluegill
2810	2292-3327 (18%)	.154	.124-.184 (19%)	97.78	39.57	Channel catfish
33	0-74 (123%)	.002	.000-.005 (219%)	1.16	0.47	Green sunfish
714	560-868 (22%)	.036	.027-.045 (25%)	24.85	10.06	Largemouth bass
4	0-10 (157%)	.000	.000-.001 (164%)	0.13	0.05	Rainbow trout
1091	772-1411 (29%)	.041	.030-.052 (27%)	37.98	15.37	Redear sunfish
83	14-152 (84%)	.002	.000-.004 (84%)	2.89	1.17	Warmouth

Table 3. Total fishing harvest and harvest rates, in kilograms.

KG HARVESTED	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
2898	2592-3204 (11%)	.153	.134-.172 (12%)	100.87	0.232	All species
275	190-360 (31%)	.019	.011-.026 (41%)	9.58	0.255	Black crappie
847	689-1005 (19%)	.041	.034-.048 (18%)	29.49	0.127	Bluegill
974	782-1166 (20%)	.056	.041-.072 (28%)	33.90	0.347	Channel catfish
4	0-9 (108%)	.000	.000-.001 (200%)	0.14	0.125	Green sunfish
583	448-718 (23%)	.029	.021-.037 (27%)	20.29	0.816	Largemouth bass
3	0-8 (164%)	.000	.000-.001 (172%)	0.11	1.025	Rainbow trout
198	134-262 (32%)	.007	.005-.009 (28%)	6.89	0.181	Redear sunfish
14	2-25 (86%)	.000	.000-.001 (79%)	0.48	0.164	Warmouth

Table 4. Total fishing harvest and harvest rates, in pounds.

LB HARVESTED	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
6389	5715-7064 (11%)	.338	.296-.379 (12%)	89.99	0.511	All species
607	419-794 (31%)	.041	.025-.058 (41%)	8.54	0.561	Black crappie
1868	1520-2217 (19%)	.091	.075-.107 (18%)	26.31	0.279	Bluegill
2147	1725-2570 (20%)	.124	.089-.158 (28%)	30.25	0.765	Channel catfish
9	0-19 (108%)	.000	.000-.001 (200%)	0.13	0.275	Green sunfish
1285	988-1583 (23%)	.065	.047-.082 (27%)	18.10	1.800	Largemouth bass
7	0-18 (164%)	.001	.000-.001 (172%)	0.10	2.261	Rainbow trout
436	296-577 (32%)	.016	.011-.020 (28%)	6.14	0.400	Redear sunfish
30	4-56 (86%)	.001	.000-.001 (79%)	0.42	0.363	Warmouth

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
17176	15505-18847 (10%)	.887	.808-.966 (9%)	597.78	241.92	All species
1139	808-1469 (29%)	.078	.047-.109 (40%)	39.63	16.04	Black crappie
7130	5922-8338 (17%)	.357	.299-.415 (16%)	248.14	100.42	Bluegill
2950	2428-3472 (18%)	.161	.131-.192 (19%)	102.68	41.55	Channel catfish
68	0-158 (131%)	.003	.000-.006 (141%)	2.38	0.96	Green sunfish
4708	3935-5481 (16%)	.245	.193-.298 (21%)	163.85	66.31	Largemouth bass
4	0-10 (157%)	.000	.000-.001 (164%)	0.13	0.05	Rainbow trout
1095	775-1414 (29%)	.041	.030-.052 (26%)	38.10	15.42	Redear sunfish
83	14-152 (84%)	.002	.000-.004 (84%)	2.89	1.17	Warmouth

Table 6. Total fishing catch and catch rates, in kilograms.

KG CAUGHT	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
4685	4233-5136 (10%)	.244	.217-.271 (11%)	163.05	0.273	All species
280	194-365 (31%)	.019	.011-.027 (40%)	9.73	0.246	Black crappie
881	721-1041 (18%)	.043	.035-.050 (17%)	30.67	0.124	Bluegill
1007	814-1199 (19%)	.058	.042-.073 (27%)	35.04	0.341	Channel catfish
6	0-11 (104%)	.000	.000-.001 (158%)	0.19	0.081	Green sunfish
2296	1925-2668 (16%)	.117	.093-.141 (21%)	79.92	0.488	Largemouth bass
3	0-8 (164%)	.000	.000-.001 (172%)	0.11	1.025	Rainbow trout
198	135-262 (32%)	.007	.005-.009 (28%)	6.91	0.181	Redear sunfish
14	2-25 (86%)	.000	.000-.001 (79%)	0.48	0.164	Warmouth

Table 7. Total fishing catch and catch rates, in pounds.

LB CAUGHT	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
10328	9333-11324 (10%)	.538	.479-.597 (11%)	145.47	0.601	All species
617	428-805 (31%)	.042	.025-.059 (40%)	8.68	0.542	Black crappie
1943	1590-2295 (18%)	.094	.078-.110 (17%)	27.36	0.273	Bluegill
2220	1795-2644 (19%)	.127	.093-.161 (27%)	31.27	0.752	Channel catfish
12	0-25 (104%)	.000	.000-.001 (158%)	0.17	0.179	Green sunfish
5063	4243-5882 (16%)	.257	.204-.311 (21%)	71.30	1.076	Largemouth bass
7	0-18 (164%)	.001	.000-.001 (172%)	0.10	2.261	Rainbow trout
438	297-578 (32%)	.016	.011-.020 (28%)	6.16	0.400	Redear sunfish
30	4-56 (86%)	.001	.000-.001 (79%)	0.42	0.363	Warmouth