

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

1991 REND  
 16135 ACRES  
 REGION 5, DISTRICT 16

STRATIFICATION SUMMARY:

Day creel only.  
 Results cover 10/01/1991 through 10/31/1991  
 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: 62/93 = 66.7%

NUMBER OF INTERVIEWS: 73

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	1773	1093-2454 ( 38%)	0	0-0 ( 38%)	4%
	HOLIDAY	894	459-1328 ( 49%)	0	0-0 ( 49%)	11%
	TOTAL	2667	1870-3464 ( 30%)	0	0-0 ( 30%)	6%
SHORE	WEEKDAY	129	0-306 (138%)	0	0-0 (138%)	0%
	HOLIDAY	91	7-174 ( 93%)	0	0-0 ( 93%)	4%
	TOTAL	219	29-410 ( 87%)	0	0-0 ( 87%)	2%
BOAT & SHORE	WEEKDAY	1902	1203-2601 ( 37%)	0	0-0 ( 37%)	4%
	HOLIDAY	984	543-1425 ( 45%)	0	0-0 ( 45%)	10%
	TOTAL	2886	2069-3703 ( 28%)	0	0-0 ( 28%)	6%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
1581	723-2438 ( 54%)	.208	.109-.307 ( 48%)	0.24	0.10	All species
		****	NOT RECORDED ****			Bluegill
177	0-355 (101%)	.030	.000-.067 (122%)	0.03	0.01	Channel catfish
		****	NOT RECORDED ****			Largemouth bass
1404	559-2248 ( 60%)	.177	.084-.271 ( 53%)	0.21	0.09	White crappie
		****	NOT RECORDED ****			Yellow bass

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

KG HARVESTED	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
199	101-297 ( 49%)	.030	.013-.046 ( 55%)	0.03	0.126	All species
		****	NOT RECORDED ****			Bluegill
59	1-116 ( 99%)	.010	.000-.022 (122%)	0.01	0.330	Channel catfish
		****	NOT RECORDED ****			Largemouth bass
141	54-227 ( 62%)	.020	.008-.032 ( 62%)	0.02	0.100	White crappie
		****	NOT RECORDED ****			Yellow bass

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

LB HARVESTED	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
439	222-655 ( 49%)	.065	.030-.101 ( 55%)	0.03	0.278	All species
		****	NOT RECORDED ****			Bluegill
129	1-257 ( 99%)	.022	.000-.049 (122%)	0.01	0.729	Channel catfish
		****	NOT RECORDED ****			Largemouth bass
310	118-501 ( 62%)	.043	.017-.070 ( 62%)	0.02	0.221	White crappie
		****	NOT RECORDED ****			Yellow bass

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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
3742	2183-5302	( 42%)	.457	.242-.673 ( 47%)	0.57	0.23	All species
15	0-50	(231%)	.003	.000-.011 (231%)	0.00	0.00	Bluegill
234	0-482	(106%)	.039	.000-.091 (131%)	0.04	0.01	Channel catfish
991	276-1706	( 72%)	.072	.016-.129 ( 78%)	0.15	0.06	Largemouth bass
2457	1023-3892	( 58%)	.332	.128-.537 ( 62%)	0.38	0.15	White crappie
45	0-147	(226%)	.010	.000-.032 (226%)	0.01	0.00	Yellow bass

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

KG CAUGHT	95% CI		KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
532	300-764	( 44%)	.055	.033-.077 ( 41%)	0.08	0.142	All species
1	0-2	(226%)	.000	.000-.000 (231%)	0.00	0.035	Bluegill
62	0-124	(100%)	.010	.000-.023 (123%)	0.01	0.264	Channel catfish
290	78-501	( 73%)	.019	.003-.034 ( 82%)	0.04	0.292	Largemouth bass
178	72-283	( 59%)	.025	.010-.041 ( 60%)	0.03	0.072	White crappie
2	0-8	(231%)	.000	.000-.002 (226%)	0.00	0.052	Yellow bass

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

LB CAUGHT	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
1172	661-1684	( 44%)	.121	.072-.171 ( 41%)	0.07	0.313	All species
1	0-4	(231%)	.000	.000-.001 (226%)	0.00	0.078	Bluegill
136	0-272	(100%)	.023	.000-.052 (123%)	0.01	0.583	Channel catfish
638	172-1105	( 73%)	.041	.008-.074 ( 82%)	0.04	0.644	Largemouth bass
392	159-624	( 59%)	.056	.022-.090 ( 60%)	0.02	0.159	White crappie
5	0-17	(226%)	.001	.000-.004 (231%)	0.00	0.114	Yellow bass

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 Day periods (morning, midday, and afternoon) stratified.

SAMPLING RATIO: 28/45 = 62.2%

NUMBER OF INTERVIEWS: 5

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	25	0-84 (236%)	0	0-0 (236%)	3%
	HOLIDAY					
	TOTAL	25	0-84 (236%)	0	0-0 (236%)	3%
SHORE	WEEKDAY	112	0-252 (124%)	0	0-0 (124%)	4%
	HOLIDAY					
	TOTAL	112	0-252 (124%)	0	0-0 (124%)	4%
BOAT & SHORE	WEEKDAY	138	0-282 (105%)	0	0-0 (105%)	4%
	HOLIDAY					
	TOTAL	138	0-282 (105%)	0	0-0 (105%)	4%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
136	0-362 (166%)		.068	.000-.209 (205%)	0.02	0.01	All species
136	0-362 (166%)		.068	.000-.209 (205%)	0.02	0.01	White crappie

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

KG HARVESTED	95% CI		KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
10	0-25 (166%)		.005	.000-.015 (205%)	0.00	0.070	All species
10	0-25 (166%)		.005	.000-.015 (205%)	0.00	0.070	White crappie

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

LB HARVESTED	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
21	0-56 (166%)		.011	.000-.032 (205%)	0.00	0.155	All species
21	0-56 (166%)		.011	.000-.032 (205%)	0.00	0.155	White crappie

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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
149	0-390 (162%)		.080	.000-.247 (211%)	0.02	0.01	All species
149	0-390 (162%)		.080	.000-.247 (211%)	0.02	0.01	White crappie

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

KG CAUGHT	95% CI		KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
10	0-27 (163%)		.005	.000-.016 (208%)	0.00	0.068	All species
10	0-27 (163%)		.005	.000-.016 (208%)	0.00	0.068	White crappie

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

LB CAUGHT	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
22	0-58 (163%)		.012	.000-.036 (208%)	0.00	0.149	All species
22	0-58 (163%)		.012	.000-.036 (208%)	0.00	0.149	White crappie