

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

1989 GEORGE  
 167 ACRES  
 REGION 1, DISTRICT 2

STRATIFICATION SUMMARY:

Day creel only.  
 Results cover 02/11/1989 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.  
 Yearperiod 2 coalesced with yearperiod 3.  
 Yearperiod 9 coalesced with yearperiod 10.

SAMPLING RATIO: 323/834 = 38.7%

NUMBER OF INTERVIEWS: 2235

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	8341	7084-9598 ( 15%)	50	42-57 ( 15%)	18%
	HOLIDAY	14793	13202-16384 ( 11%)	89	79-98 ( 11%)	26%
	TOTAL	23134	21107-25162 ( 9%)	139	126-151 ( 9%)	23%
SHORE	WEEKDAY	2096	1663-2528 ( 21%)	13	10-15 ( 21%)	13%
	HOLIDAY	3072	2586-3558 ( 16%)	18	15-21 ( 16%)	15%
	TOTAL	5168	4517-5818 ( 13%)	31	27-35 ( 13%)	14%
BOAT & SHORE	WEEKDAY	10437	9108-11766 ( 13%)	62	55-70 ( 13%)	17%
	HOLIDAY	17865	16202-19529 ( 9%)	107	97-117 ( 9%)	24%
	TOTAL	28302	26173-30431 ( 8%)	169	157-182 ( 8%)	21%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
18331	14548-22114 ( 21%)	.614	.443-.785 ( 28%)	271.24	109.77	All species
9331	7142-11520 ( 23%)	.381	.262-.499 ( 31%)	138.07	55.87	Bluegill
20	0-47 (139%)	.000	.000-.000 (149%)	0.29	0.12	Carp
1111	778-1445 ( 30%)	.022	.015-.029 ( 34%)	16.44	6.65	Channel catfish
4	0-13 (257%)	.000	.000-.000 (278%)	0.05	0.02	Flathead
catfish						
74	0-202 (173%)	.002	.000-.004 (135%)	1.09	0.44	Freshwater drum
313	179-446 ( 43%)	.008	.003-.013 ( 61%)	4.62	1.87	Largemouth bass
4	0-14 (236%)	.000	.000-.000 (236%)	0.06	0.03	Muskellunge
		****	NOT RECORDED ****			Rock bass
67	22-112 ( 67%)	.001	.000-.001 ( 81%)	0.99	0.40	Walleye
7408	4443-10374 ( 40%)	.201	.073-.329 ( 64%)	109.61	44.36	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
1779	1475-2083 ( 17%)	.052	.039-.064 ( 24%)	26.33	0.097	All species
510	387-632 ( 24%)	.022	.015-.029 ( 33%)	7.54	0.055	Bluegill
36	0-92 (155%)	.000	.000-.001 (255%)	0.53	1.895	Carp
391	260-522 ( 33%)	.008	.005-.011 ( 42%)	5.78	0.352	Channel catfish
10	0-34 (257%)	.000	.000-.000 (257%)	0.14	3.198	Flathead
catfish						
40	0-108 (168%)	.001	.000-.004 (182%)	0.59	0.550	Freshwater drum
250	139-362 ( 45%)	.005	.002-.009 ( 64%)	3.71	0.803	Largemouth bass
14	0-50 (245%)	.000	.000-.000 (236%)	0.21	3.605	Muskellunge
		****	NOT RECORDED ****			Rock bass
44	16-73 ( 65%)	.000	.000-.001 ( 82%)	0.66	0.672	Walleye
484	312-656 ( 36%)	.014	.005-.023 ( 65%)	7.16	0.065	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
3923	3253-4593 ( 17%)	.114	.086-.141 ( 24%)	23.49	0.214	All species
1124	853-1394 ( 24%)	.049	.033-.065 ( 33%)	6.73	0.120	Bluegill
79	0-202 (155%)	.000	.000-.001 (255%)	0.48	4.177	Carp
862	574-1150 ( 33%)	.017	.010-.025 ( 42%)	5.16	0.776	Channel catfish
21	0-80 (278%)	.000	.000-.001 (257%)	0.13	7.050	Flathead
catfish						
88	0-237 (168%)	.003	.000-.009 (182%)	0.53	1.212	Freshwater drum
552	306-799 ( 45%)	.011	.004-.019 ( 64%)	3.31	1.770	Largemouth bass
32	0-107 (236%)	.000	.000-.001 (236%)	0.19	7.947	Muskellunge
		****	NOT RECORDED ****			Rock bass
98	35-161 ( 65%)	.001	.000-.002 ( 82%)	0.59	1.482	Walleye
1067	688-1446 ( 36%)	.031	.011-.052 ( 65%)	6.39	0.144	White crappie

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
58071	51699-64442	( 11%)	1.671	1.412-1.929	( 15%)	859.24	347.73 All species
32038	27863-36214	( 13%)	1.118	.907-1.330	( 19%)	474.05	191.85 Bluegill
36	1-71	( 98%)	.000	.000-.000	( 96%)	0.53	0.21 Carp
2186	1646-2726	( 25%)	.048	.033-.063	( 31%)	32.35	13.09 Channel catfish
4	0-13	(257%)	.000	.000-.000	(278%)	0.05	0.02 Flathead
catfish							
124	0-251	(103%)	.004	.001-.006	( 78%)	1.83	0.74 Freshwater drum
4078	3372-4784	( 17%)	.093	.060-.126	( 36%)	60.34	24.42 Largemouth bass
167	85-249	( 49%)	.003	.000-.007	(122%)	2.47	1.00 Muskellunge
72	0-154	(114%)	.003	.000-.006	(141%)	1.07	0.43 Rock bass
184	114-255	( 38%)	.002	.001-.002	( 57%)	2.73	1.10 Walleye
19182	15097-23267	( 21%)	.400	.259-.542	( 35%)	283.82	114.86 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
4292	3838-4747	( 11%)	.114	.097-.131	( 15%)	63.51	0.074 All species
1195	1029-1361	( 14%)	.045	.036-.054	( 21%)	17.68	0.037 Bluegill
60	0-123	(107%)	.000	.000-.001	(123%)	0.88	1.704 Carp
490	353-627	( 28%)	.010	.007-.014	( 33%)	7.25	0.224 Channel catfish
10	0-34	(257%)	.000	.000-.000	(257%)	0.14	3.198 Flathead
catfish							
63	0-131	(107%)	.002	.000-.005	(123%)	0.93	0.513 Freshwater drum
1303	1077-1529	( 17%)	.029	.020-.037	( 29%)	19.28	0.320 Largemouth bass
195	68-322	( 65%)	.005	.000-.011	(121%)	2.89	1.175 Muskellunge
5	0-12	(142%)	.000	.000-.000	(137%)	0.07	0.067 Rock bass
76	43-110	( 44%)	.001	.000-.001	( 59%)	1.13	0.414 Walleye
896	691-1101	( 23%)	.022	.012-.032	( 44%)	13.26	0.047 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
9463	8460-10466	( 11%)	.251	.214-.288	( 15%)	56.67	0.163 All species
2635	2270-3000	( 14%)	.099	.078-.120	( 21%)	15.78	0.082 Bluegill
132	0-272	(107%)	.001	.000-.002	(123%)	0.79	3.757 Carp
1080	779-1382	( 28%)	.023	.015-.030	( 33%)	6.47	0.494 Channel catfish
21	0-80	(278%)	.000	.000-.001	(257%)	0.13	7.050 Flathead
catfish							
139	0-289	(107%)	.005	.000-.010	(123%)	0.83	1.131 Freshwater drum
2873	2374-3371	( 17%)	.063	.045-.081	( 29%)	17.20	0.704 Largemouth bass
430	150-710	( 65%)	.011	.000-.024	(121%)	2.58	2.591 Muskellunge
11	0-26	(142%)	.000	.000-.001	(137%)	0.06	0.147 Rock bass
168	94-242	( 44%)	.001	.001-.002	( 59%)	1.00	0.912 Walleye
1976	1524-2427	( 23%)	.048	.027-.070	( 44%)	11.83	0.103 White crappie