

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

1989 CLINTON
 4895 ACRES
 REGION 3, DISTRICT 8

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1989 through 05/31/1989
 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: 183/234 = 78.2%

NUMBER OF INTERVIEWS: 3016

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	70821	57101-84541 (19%)	14	12-17 (19%)	6%
	HOLIDAY	82592	58882-106301 (29%)	17	12-22 (29%)	7%
	TOTAL	153413	126020-180806 (18%)	31	26-37 (18%)	6%
SHORE	WEEKDAY	16879	13689-20069 (19%)	3	3-4 (19%)	5%
	HOLIDAY	22269	15696-28841 (30%)	5	3-6 (30%)	7%
	TOTAL	39148	31842-46454 (19%)	8	7-9 (19%)	6%
BOAT & SHORE	WEEKDAY	87700	73614-101787 (16%)	18	15-21 (16%)	6%
	HOLIDAY	104860	80257-129464 (23%)	21	16-26 (23%)	7%
	TOTAL	192561	164210-220911 (15%)	39	34-45 (15%)	6%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
116981	99240-134721 (15%)	.497	.412-.582 (17%)	59.05	23.90	All species
		****	NOT RECORDED			Bigmouth buffalo
1102	559-1645 (49%)	.003	.002-.005 (49%)	0.56	0.23	Black bullhead
533	268-799 (50%)	.002	.001-.004 (60%)	0.27	0.11	Black crappie
1478	804-2152 (46%)	.007	.001-.012 (79%)	0.75	0.30	Bluegill
		****	NOT RECORDED			Brown bullhead
360	137-583 (62%)	.001	.000-.002 (98%)	0.18	0.07	Carp
1830	0-3798 (108%)	.013	.000-.033 (154%)	0.92	0.37	Channel catfish
		****	NOT RECORDED			Flathead catfish
360	144-576 (60%)	.003	.000-.006 (114%)	0.18	0.07	Freshwater drum
		****	NOT RECORDED			Golden shiner
96	5-187 (95%)	.001	.000-.001 (107%)	0.05	0.02	Green sunfish
		****	NOT RECORDED			Gizzard shad
232	0-504 (117%)	.001	.000-.001 (91%)	0.12	0.05	Largemouth bass
		****	NOT RECORDED			Rock bass
423	135-710 (68%)	.001	.000-.002 (77%)	0.21	0.09	Striped bass hybrid
		****	NOT RECORDED			Smallmouth bass
		****	NOT RECORDED			Tiger muskie
1376	758-1994 (45%)	.005	.001-.009 (86%)	0.69	0.28	Walleye
		****	NOT RECORDED			Warmouth
108856	91816-125895 (16%)	.460	.376-.544 (18%)	54.95	22.24	White crappie
		****	NOT RECORDED			White sucker
336	3-670 (99%)	.001	.000-.001 (94%)	0.17	0.07	Yellow bullhead
		****	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
25962	21938-29986 (15%)	.107	.087-.127 (19%)	13.11	0.222	All species
		****	NOT RECORDED			Bigmouth buffalo
334	173-495 (48%)	.001	.001-.001 (49%)	0.17	0.303	Black bullhead
137	66-208 (52%)	.001	.000-.001 (59%)	0.07	0.257	Black crappie
117	65-169 (45%)	.000	.000-.001 (79%)	0.06	0.079	Bluegill
		****	NOT RECORDED			Brown bullhead
184	54-315 (71%)	.000	.000-.001 (97%)	0.09	0.512	Carp
1173	0-2647 (126%)	.009	.000-.024 (174%)	0.59	0.641	Channel catfish
		****	NOT RECORDED			Flathead catfish
180	23-336 (87%)	.001	.000-.001 (93%)	0.09	0.500	Freshwater drum
		****	NOT RECORDED			Golden shiner
8	0-16 (105%)	.000	.000-.000 (125%)	0.00	0.082	Green sunfish
		****	NOT RECORDED			Gizzard shad
120	9-231 (93%)	.000	.000-.001 (138%)	0.06	0.518	Largemouth bass
		****	NOT RECORDED			Rock bass
862	281-1442 (67%)	.002	.000-.004 (78%)	0.43	2.042	Striped bass hybrid
		****	NOT RECORDED			Smallmouth bass
		****	NOT RECORDED			Tiger muskie
878	444-1313 (49%)	.003	.000-.006 (91%)	0.44	0.638	Walleye

21823	18396-25251	(16%)	.089	.074-.105	(17%)	11.02	0.200	Warmouth
			****	NOT RECORDED	****			White crappie
			****	NOT RECORDED	****			White sucker
147	0-298	(103%)	.000	.000-.000	(88%)	0.07	0.436	Yellow bullhead
			****	NOT RECORDED	****			Yellow bass

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

LB HARVESTED	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
57236	48365-66107 (15%)	.237	.193-.281 (19%)	11.69	0.489	All species
		****	NOT RECORDED			Bigmouth buffalo
736	381-1091 (48%)	.002	.001-.003 (49%)	0.15	0.668	Black bullhead
302	146-458 (52%)	.001	.000-.002 (59%)	0.06	0.567	Black crappie
258	143-373 (45%)	.001	.000-.002 (79%)	0.05	0.175	Bluegill
		****	NOT RECORDED			Brown bullhead
406	118-695 (71%)	.001	.000-.002 (97%)	0.08	1.129	Carp
2586	0-5835 (126%)	.019	.000-.052 (174%)	0.53	1.414	Channel catfish
		****	NOT RECORDED			Flathead catfish
396	50-741 (87%)	.001	.000-.003 (93%)	0.08	1.102	Freshwater drum
		****	NOT RECORDED			Golden shiner
17	0-35 (105%)	.000	.000-.000 (125%)	0.00	0.181	Green sunfish
		****	NOT RECORDED			Gizzard shad
264	19-508 (93%)	.001	.000-.002 (138%)	0.05	1.141	Largemouth bass
		****	NOT RECORDED			Rock bass
1900	620-3180 (67%)	.005	.001-.008 (78%)	0.39	4.501	Striped bass hybrid
		****	NOT RECORDED			Smallmouth bass
		****	NOT RECORDED			Tiger muskie
1936	979-2894 (49%)	.007	.001-.014 (91%)	0.40	1.407	Walleye
		****	NOT RECORDED			Warmouth
48112	40556-55668 (16%)	.197	.164-.231 (17%)	9.83	0.442	White crappie
		****	NOT RECORDED			White sucker
323	0-657 (103%)	.001	.000-.001 (88%)	0.07	0.962	Yellow bullhead
		****	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
344284	292669-395898 (15%)	1.517	1.308-1.726 (14%)	173.79	70.33	All species
39	0-122 (209%)	.000	.000-.000 (209%)	0.02	0.01	Bigmouth buffalo
3040	1735-4346 (43%)	.013	.004-.022 (71%)	1.53	0.62	Black bullhead
824	405-1243 (51%)	.003	.001-.004 (53%)	0.42	0.17	Black crappie
8553	6528-10578 (24%)	.042	.023-.062 (46%)	4.32	1.75	Bluegill
20	0-58 (198%)	.000	.000-.000 (139%)	0.01	0.00	Brown bullhead
1938	1325-2551 (32%)	.016	.000-.033 (111%)	0.98	0.40	Carp
2834	827-4842 (71%)	.016	.000-.036 (126%)	1.43	0.58	Channel catfish
13	0-41 (220%)	.000	.000-.000 (218%)	0.01	0.00	Flathead catfish
2732	1707-3757 (38%)	.011	.005-.017 (54%)	1.38	0.56	Freshwater drum
9	0-28 (216%)	.000	.000-.000 (218%)	0.00	0.00	Golden shiner
1000	437-1564 (56%)	.005	.002-.007 (51%)	0.51	0.20	Green sunfish
34	0-108 (220%)	.000	.000-.000 (218%)	0.02	0.01	Gizzard shad
12150	9534-14765 (22%)	.041	.028-.054 (31%)	6.13	2.48	Largemouth bass
385	0-822 (113%)	.001	.000-.003 (93%)	0.19	0.08	Rock bass
5508	2205-8810 (60%)	.054	.000-.122 (128%)	2.78	1.13	Striped bass hybrid
210	88-332 (58%)	.001	.000-.002 (89%)	0.11	0.04	Smallmouth bass
22	0-56 (158%)	.000	.000-.000 (161%)	0.01	0.00	Tiger muskie
3061	1949-4172 (36%)	.016	.000-.031 (101%)	1.54	0.63	Walleye
13	0-42 (220%)	.000	.000-.000 (218%)	0.01	0.00	Warmouth
301412	255226-347598 (15%)	1.297	1.101-1.493 (15%)	152.15	61.58	White crappie
6	0-19 (206%)	.000	.000-.001 (205%)	0.00	0.00	White sucker
466	131-801 (72%)	.001	.000-.002 (73%)	0.24	0.10	Yellow bullhead
14	0-44 (209%)	.000	.000-.000 (209%)	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
51174	43490-58859 (15%)	.218	.186-.249 (14%)	25.83	0.149	All species
167	0-516 (209%)	.000	.000-.000 (209%)	0.08	4.289	Bigmouth buffalo
712	423-1001 (41%)	.003	.001-.004 (51%)	0.36	0.234	Black bullhead
174	86-263 (51%)	.001	.000-.001 (54%)	0.09	0.212	Black crappie
380	281-479 (26%)	.002	.001-.002 (43%)	0.19	0.044	Bluegill
2	0-5 (175%)	.000	.000-.000 (163%)	0.00	0.095	Brown bullhead
652	438-867 (33%)	.005	.001-.008 (82%)	0.33	0.336	Carp
1300	0-2775 (113%)	.009	.000-.024 (167%)	0.66	0.459	Channel catfish
1	0-3 (218%)	.000	.000-.000 (218%)	0.00	0.078	Flathead catfish
724	325-1124 (55%)	.004	.000-.007 (96%)	0.37	0.265	Freshwater drum
0	0-0 (216%)	.000	.000-.000 (218%)	0.00	0.016	Golden shiner
43	15-70 (64%)	.000	.000-.000 (59%)	0.02	0.043	Green sunfish
1	0-4 (218%)	.000	.000-.000 (220%)	0.00	0.038	Gizzard shad
2691	2015-3366 (25%)	.010	.005-.015 (47%)	1.36	0.221	Largemouth bass
14	0-27 (101%)	.000	.000-.000 (143%)	0.01	0.036	Rock bass
2277	1088-3465 (52%)	.011	.002-.021 (80%)	1.15	0.413	Striped bass hybrid
53	11-96 (80%)	.000	.000-.000 (100%)	0.03	0.254	Smallmouth bass
19	0-55 (184%)	.000	.000-.001 (206%)	0.01	0.918	Tiger muskie

1336	763-1908	(43%)	.005	.002-.008	(67%)	0.67	0.437	Walleye
4	0-14	(220%)	.000	.000-.000	(218%)	0.00	0.374	Warmouth
40451	34295-46607	(15%)	.168	.145-.192	(14%)	20.42	0.134	White crappie
0	0-1	(206%)	.000	.000-.000	(205%)	0.00	0.028	White sucker
169	17-322	(90%)	.000	.000-.001	(75%)	0.09	0.364	Yellow bullhead
3	0-8	(209%)	.000	.000-.000	(209%)	0.00	0.194	Yellow bass

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

LB CAUGHT	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
112820	95880-129761 (15%)	.480	.411-.548 (14%)	23.05	0.328	All species
369	0-1138 (209%)	.000	.000-.000 (209%)	0.08	9.456	Bigmouth buffalo
1569	932-2206 (41%)	.006	.003-.009 (51%)	0.32	0.516	Black bullhead
384	189-580 (51%)	.001	.001-.002 (54%)	0.08	0.467	Black crappie
838	620-1056 (26%)	.004	.002-.005 (43%)	0.17	0.098	Bluegill
4	0-11 (175%)	.000	.000-.000 (163%)	0.00	0.209	Brown bullhead
1437	965-1910 (33%)	.010	.002-.018 (82%)	0.29	0.742	Carp
2867	0-6118 (113%)	.020	.000-.053 (167%)	0.59	1.012	Channel catfish
2	0-7 (220%)	.000	.000-.000 (218%)	0.00	0.173	Flathead catfish
1597	716-2477 (55%)	.008	.000-.016 (96%)	0.33	0.584	Freshwater drum
0	0-1 (216%)	.000	.000-.000 (218%)	0.00	0.034	Golden shiner
94	34-154 (64%)	.000	.000-.001 (59%)	0.02	0.094	Green sunfish
3	0-9 (220%)	.000	.000-.000 (220%)	0.00	0.083	Gizzard shad
5932	4443-7421 (25%)	.022	.012-.033 (47%)	1.21	0.488	Largemouth bass
30	0-61 (101%)	.000	.000-.000 (143%)	0.01	0.078	Rock bass
5019	2399-7639 (52%)	.025	.005-.046 (80%)	1.03	0.911	Striped bass hybrid
118	24-212 (80%)	.000	.000-.001 (100%)	0.02	0.561	Smallmouth bass
42	0-121 (184%)	.000	.000-.001 (206%)	0.01	2.024	Tiger muskie
2945	1682-4207 (43%)	.010	.003-.017 (67%)	0.60	0.962	Walleye
10	0-31 (218%)	.000	.000-.000 (220%)	0.00	0.826	Warmouth
89179	75608-102751 (15%)	.371	.319-.423 (14%)	18.22	0.296	White crappie
0	0-1 (206%)	.000	.000-.000 (206%)	0.00	0.062	White sucker
373	38-709 (90%)	.001	.000-.001 (75%)	0.08	0.803	Yellow bullhead
6	0-18 (209%)	.000	.000-.000 (209%)	0.00	0.427	Yellow bass