

ILLINOIS NATURAL HISTORY SURVEY  
 CENTER FOR AQUATIC ECOLOGY  
 1996 CREEL SURVEY RESULTS

1996 LASALLE LAKE  
 1864 ACRES  
 REGION 1, DISTRICT 2

STRATIFICATION SUMMARY:

Day creel only.  
 Results cover 03/15/1996 through 10/13/1996  
 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: 314/639 = 49.1%

NUMBER OF INTERVIEWS: 4410

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	37640	32110-43170 ( 15%)	20	17-23 ( 15%)	15%
	HOLIDAY	34106	30745-37467 ( 10%)	18	16-20 ( 10%)	35%
	TOTAL	71746	65275-78217 ( 9%)	38	35-42 ( 9%)	24%
SHORE	WEEKDAY	24927	22171-27683 ( 11%)	13	12-15 ( 11%)	8%
	HOLIDAY	23364	21546-25181 ( 8%)	13	12-14 ( 8%)	19%
	TOTAL	48291	44989-51592 ( 7%)	26	24-28 ( 7%)	13%
BOAT & SHORE	WEEKDAY	62567	56388-68746 ( 10%)	34	30-37 ( 10%)	12%
	HOLIDAY	57470	53649-61291 ( 7%)	31	29-33 ( 7%)	29%
	TOTAL	120037	112772-127301 ( 6%)	64	60-68 ( 6%)	20%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
34318	29648-38988 ( 14%)	.270	.223-.316 ( 17%)	45.49	18.41	All species
8094	5744-10444 ( 29%)	.061	.039-.082 ( 35%)	10.73	4.34	Bluegill
31	0-77 (145%)	.000	.000-.000 (139%)	0.04	0.02	Carp
16972	14595-19350 ( 14%)	.150	.121-.178 ( 19%)	22.50	9.10	Channel catfish
39	0-81 (109%)	.000	.000-.000 (129%)	0.05	0.02	Flathead
catfish						
440	259-621 ( 41%)	.004	.002-.006 ( 44%)	0.58	0.24	Freshwater drum
6	0-16 (153%)	.000	.000-.000 (236%)	0.01	0.00	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
148	54-242 ( 64%)	.001	.000-.001 ( 66%)	0.20	0.08	Largemouth bass
1070	705-1435 ( 34%)	.005	.003-.007 ( 36%)	1.42	0.57	Striped bass
hybrid						
90	30-150 ( 66%)	.000	.000-.001 ( 70%)	0.12	0.05	Smallmouth bass
81	0-169 (110%)	.000	.000-.000 (100%)	0.11	0.04	Walleye
3775	1491-6059 ( 61%)	.015	.009-.020 ( 37%)	5.00	2.03	White bass
		****	NOT RECORDED ****			White crappie
295	109-481 ( 63%)	.004	.000-.009 ( 95%)	0.39	0.16	Yellow bullhead
3278	1717-4839 ( 48%)	.029	.002-.056 ( 93%)	4.35	1.76	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
9126	7622-10629 ( 16%)	.062	.053-.070 ( 14%)	12.10	0.266	All species
723	507-940 ( 30%)	.005	.003-.008 ( 40%)	0.96	0.089	Bluegill
29	0-74 (156%)	.000	.000-.000 (153%)	0.04	0.935	Carp
4249	3629-4870 ( 15%)	.035	.029-.041 ( 17%)	5.63	0.250	Channel catfish
25	0-53 (111%)	.000	.000-.000 (130%)	0.03	0.665	Flathead
catfish						
165	84-245 ( 49%)	.002	.001-.002 ( 60%)	0.22	0.375	Freshwater drum
1	0-2 (156%)	.000	.000-.000 (241%)	0.00	0.120	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
252	102-402 ( 60%)	.001	.000-.002 ( 65%)	0.33	1.714	Largemouth bass
1168	775-1561 ( 34%)	.006	.004-.008 ( 41%)	1.55	1.093	Striped bass
hybrid						
138	51-225 ( 63%)	.001	.000-.001 ( 67%)	0.18	1.535	Smallmouth bass
54	0-110 (106%)	.000	.000-.000 ( 91%)	0.07	0.670	Walleye
1884	652-3116 ( 65%)	.007	.004-.010 ( 38%)	2.50	0.499	White bass
		****	NOT RECORDED ****			White crappie
46	19-73 ( 59%)	.001	.000-.001 ( 72%)	0.06	0.157	Yellow bullhead
391	169-613 ( 57%)	.004	.000-.008 (108%)	0.52	0.119	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
20119	16804-23433 ( 16%)	.136	.117-.155 ( 14%)	10.79	0.586	All species
1594	1117-2072 ( 30%)	.012	.007-.017 ( 40%)	0.86	0.197	Bluegill
64	0-163 (156%)	.000	.000-.001 (153%)	0.03	2.062	Carp
9368	8000-10736 ( 15%)	.077	.064-.089 ( 17%)	5.03	0.552	Channel catfish
56	0-117 (111%)	.000	.000-.001 (130%)	0.03	1.466	Flathead
catfish						
363	185-540 ( 49%)	.003	.001-.005 ( 60%)	0.19	0.826	Freshwater drum
2	0-4 (156%)	.000	.000-.000 (241%)	0.00	0.266	Green sunfish
		****	NOT RECORDED ****			Gizzard shad
556	224-887 ( 60%)	.003	.001-.005 ( 65%)	0.30	3.779	Largemouth bass
2576	1709-3442 ( 34%)	.013	.008-.019 ( 41%)	1.38	2.409	Striped bass
hybrid						
304	113-496 ( 63%)	.001	.000-.002 ( 67%)	0.16	3.383	Smallmouth bass
118	0-243 (106%)	.000	.000-.001 ( 91%)	0.06	1.477	Walleye
4154	1437-6871 ( 65%)	.015	.010-.021 ( 38%)	2.23	1.100	White bass
		****	NOT RECORDED ****			White crappie
102	41-162 ( 59%)	.001	.000-.002 ( 72%)	0.05	0.346	Yellow bullhead
863	373-1352 ( 57%)	.009	.000-.018 (108%)	0.46	0.263	Yellow bass

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
95871	86393-105349 ( 10%)	.727	.657-.797 ( 10%)	127.08	51.43	All species
11686	8328-15043 ( 29%)	.085	.061-.109 ( 28%)	15.49	6.27	Bluegill
239	0-514 (115%)	.002	.000-.005 (110%)	0.32	0.13	Carp
41291	36909-45672 ( 11%)	.344	.294-.394 ( 14%)	54.73	22.15	Channel catfish
139	0-420 (201%)	.002	.000-.005 (239%)	0.18	0.07	Flathead
catfish						
3150	2549-3752 ( 19%)	.027	.020-.035 ( 28%)	4.18	1.69	Freshwater drum
6	0-16 (153%)	.000	.000-.000 (236%)	0.01	0.00	Green sunfish
12	0-26 (110%)	.000	.000-.000 (159%)	0.02	0.01	Gizzard shad
6359	5174-7544 ( 19%)	.045	.036-.054 ( 21%)	8.43	3.41	Largemouth bass
3944	2636-5253 ( 33%)	.024	.015-.033 ( 39%)	5.23	2.12	Striped bass
hybrid						
11141	9194-13088 ( 17%)	.087	.069-.106 ( 21%)	14.77	5.98	Smallmouth bass
196	59-334 ( 70%)	.001	.000-.002 ( 78%)	0.26	0.11	Walleye
6482	2792-10172 ( 57%)	.026	.019-.033 ( 28%)	8.59	3.48	White bass
2	0-13 (430%)	.000	.000-.000 (318%)	0.00	0.00	White crappie
744	420-1068 ( 44%)	.009	.003-.015 ( 62%)	0.99	0.40	Yellow bullhead
10477	7399-13555 ( 29%)	.074	.045-.104 ( 40%)	13.89	5.62	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
27097	23805-30389 ( 12%)	.188	.169-.207 ( 10%)	35.92	0.283	All species
902	645-1160 ( 29%)	.007	.004-.009 ( 35%)	1.20	0.077	Bluegill
123	8-238 ( 94%)	.001	.000-.002 ( 94%)	0.16	0.515	Carp
8735	7781-9689 ( 11%)	.070	.059-.080 ( 15%)	11.58	0.212	Channel catfish
55	0-127 (128%)	.000	.000-.001 (202%)	0.07	0.399	Flathead
catfish						
1111	858-1363 ( 23%)	.008	.007-.010 ( 23%)	1.47	0.353	Freshwater drum
1	0-2 (156%)	.000	.000-.000 (241%)	0.00	0.120	Green sunfish
0	0-1 (108%)	.000	.000-.000 (115%)	0.00	0.035	Gizzard shad
3593	2912-4274 ( 19%)	.023	.018-.027 ( 21%)	4.76	0.565	Largemouth bass
3594	2344-4843 ( 35%)	.022	.013-.032 ( 43%)	4.76	0.911	Striped bass
hybrid						
4968	3963-5973 ( 20%)	.037	.027-.046 ( 26%)	6.59	0.446	Smallmouth bass
93	29-158 ( 69%)	.000	.000-.001 ( 64%)	0.12	0.475	Walleye
2865	1021-4709 ( 64%)	.011	.007-.014 ( 32%)	3.80	0.442	White bass
1	0-5 (430%)	.000	.000-.000 (318%)	0.00	0.477	White crappie
106	68-144 ( 36%)	.001	.001-.002 ( 43%)	0.14	0.142	Yellow bullhead
949	650-1249 ( 32%)	.007	.003-.012 ( 60%)	1.26	0.091	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
59739	52481-66997 ( 12%)	.414	.372-.457 ( 10%)	32.05	0.623	All species
1990	1421-2558 ( 29%)	.014	.009-.019 ( 35%)	1.07	0.170	Bluegill
271	17-526 ( 94%)	.003	.000-.005 ( 94%)	0.15	1.135	Carp
19257	17153-21361 ( 11%)	.154	.131-.177 ( 15%)	10.33	0.466	Channel catfish
122	0-279 (128%)	.001	.000-.003 (202%)	0.07	0.880	Flathead
catfish						
2448	1891-3006 ( 23%)	.019	.014-.023 ( 23%)	1.31	0.777	Freshwater drum
2	0-4 (156%)	.000	.000-.000 (241%)	0.00	0.266	Green sunfish
1	0-2 (108%)	.000	.000-.000 (115%)	0.00	0.076	Gizzard shad
7922	6421-9423 ( 19%)	.050	.040-.061 ( 21%)	4.25	1.246	Largemouth bass
7923	5168-10678 ( 35%)	.049	.028-.070 ( 43%)	4.25	2.009	Striped bass
hybrid						
10952	8737-13167 ( 20%)	.081	.060-.102 ( 26%)	5.88	0.983	Smallmouth bass
205	63-348 ( 69%)	.001	.000-.002 ( 64%)	0.11	1.048	Walleye
6317	2252-10382 ( 64%)	.024	.016-.032 ( 32%)	3.39	0.975	White bass
2	0-9 (318%)	.000	.000-.000 (430%)	0.00	1.053	White crappie
233	150-317 ( 36%)	.002	.001-.004 ( 43%)	0.13	0.313	Yellow bullhead
2093	1434-2753 ( 32%)	.016	.006-.025 ( 60%)	1.12	0.200	Yellow bass

