

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 2007 CREEL SURVEY RESULTS

2007 LASALLE LAKE
 1864 ACRES
 REGION 1, DISTRICT 2

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/2007 through 10/14/2007

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: 304/642 = 47.4%

NUMBER OF INTERVIEWS: 3434

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	14897	12714-17081 (15%)	8	7-9 (15%)	19%
	HOLIDAY	23456	21319-25594 (9%)	13	11-14 (9%)	32%
	TOTAL	38354	35299-41409 (8%)	21	19-22 (8%)	27%
SHORE	WEEKDAY	15504	13517-17490 (13%)	8	7-9 (13%)	16%
	HOLIDAY	18162	16294-20030 (10%)	10	9-11 (10%)	25%
	TOTAL	33665	31079-36252 (8%)	18	17-19 (8%)	21%
BOAT & SHORE	WEEKDAY	30401	27519-33283 (9%)	16	15-18 (9%)	18%
	HOLIDAY	41618	38841-44396 (7%)	22	21-24 (7%)	29%
	TOTAL	72019	68016-76022 (6%)	39	36-41 (6%)	24%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
31831	27183-36478 (15%)	.440	.372-.508 (15%)	42.19	17.08	All species
6211	4838-7584 (22%)	.090	.071-.109 (21%)	8.23	3.33	Blue catfish
		****	NOT RECORDED ****			Black bullhead
		****	NOT RECORDED ****			Black crappie
4056	2205-5906 (46%)	.071	.042-.099 (40%)	5.38	2.18	Bluegill
124	0-356 (188%)	.001	.000-.001 (152%)	0.16	0.07	Carp
		****	NOT RECORDED ****			Unidentified catfis
15666	12286-19047 (22%)	.227	.167-.287 (26%)	20.77	8.40	Channel catfish
2	0-5 (209%)	.000	.000-.000 (210%)	0.00	0.00	Flathead catfish
165	55-275 (67%)	.004	.000-.010 (123%)	0.22	0.09	Freshwater drum
		****	NOT RECORDED ****			Gizzard shad
6	0-26 (318%)	.000	.000-.000 (318%)	0.01	0.00	Largemouth bass
		****	NOT RECORDED ****			Rainbow trout
3138	1913-4363 (39%)	.027	.016-.037 (39%)	4.16	1.68	Striped bass x Whit
5	0-16 (220%)	.000	.000-.000 (220%)	0.01	0.00	Smallmouth bass
		****	NOT RECORDED ****			Walleye
318	71-565 (78%)	.004	.000-.008 (104%)	0.42	0.17	White bass
		****	NOT RECORDED ****			White crappie
3	0-11 (318%)	.000	.000-.000 (318%)	0.00	0.00	Yellow bullhead
2138	925-3352 (57%)	.017	.009-.026 (48%)	2.83	1.15	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
20003	16529-23476 (17%)	.312	.241-.384 (23%)	26.51	0.628	All species
10697	7580-13815 (29%)	.190	.121-.259 (36%)	14.18	1.722	Blue catfish
		****	NOT RECORDED ****			Black bullhead
		****	NOT RECORDED ****			Black crappie
474	275-673 (42%)	.008	.005-.012 (44%)	0.63	0.117	Bluegill
270	0-775 (188%)	.001	.000-.003 (152%)	0.36	2.182	Carp
		****	NOT RECORDED ****			Unidentified catfis
4805	3786-5824 (21%)	.074	.053-.095 (28%)	6.37	0.307	Channel catfish
6	0-18 (209%)	.000	.000-.000 (209%)	0.01	3.667	Flathead catfish
129	17-241 (87%)	.003	.000-.006 (116%)	0.17	0.784	Freshwater drum
		****	NOT RECORDED ****			Gizzard shad
10	0-42 (318%)	.000	.000-.000 (318%)	0.01	1.640	Largemouth bass
		****	NOT RECORDED ****			Rainbow trout
2952	1935-3970 (34%)	.029	.017-.042 (43%)	3.91	0.941	Striped bass x Whit
1	0-4 (220%)	.000	.000-.000 (220%)	0.00	0.234	Smallmouth bass
		****	NOT RECORDED ****			Walleye
203	0-422 (108%)	.002	.000-.006 (155%)	0.27	0.637	White bass
		****	NOT RECORDED ****			White crappie
0	0-1 (318%)	.000	.000-.000 (278%)	0.00	0.126	Yellow bullhead
456	174-738 (62%)	.004	.002-.005 (47%)	0.60	0.213	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
44098	36441-51755 (17%)	.688	.530-.847 (23%)	23.66	1.385	All species
23583	16710-30456 (29%)	.419	.268-.570 (36%)	12.65	3.797	Blue catfish
		****	NOT RECORDED ****			Black bullhead
		****	NOT RECORDED ****			Black crappie
1044	605-1483 (42%)	.019	.011-.027 (44%)	0.56	0.257	Bluegill
594	0-1710 (188%)	.003	.000-.007 (152%)	0.32	4.810	Carp
		****	NOT RECORDED ****			Unidentified catfis
10593	8346-12840 (21%)	.164	.118-.210 (28%)	5.68	0.676	Channel catfish
13	0-41 (209%)	.000	.000-.000 (210%)	0.01	8.085	Flathead catfish
285	38-531 (87%)	.006	.000-.013 (116%)	0.15	1.729	Freshwater drum
		****	NOT RECORDED ****			Gizzard shad
22	0-93 (318%)	.000	.000-.000 (318%)	0.01	3.616	Largemouth bass
		****	NOT RECORDED ****			Rainbow trout
6509	4266-8751 (34%)	.064	.037-.092 (43%)	3.49	2.074	Striped bass x Whit
3	0-8 (223%)	.000	.000-.000 (220%)	0.00	0.515	Smallmouth bass
		****	NOT RECORDED ****			Walleye
447	0-931 (108%)	.005	.000-.014 (155%)	0.24	1.405	White bass
		****	NOT RECORDED ****			White crappie
1	0-3 (278%)	.000	.000-.000 (278%)	0.00	0.277	Yellow bullhead
1005	384-1626 (62%)	.008	.004-.012 (47%)	0.54	0.470	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
116556	104273-128839 (11%)	1.503	1.363-1.642(9%)	154.50	62.53	All species
11351	9301-13401 (18%)	.164	.127-.200 (22%)	15.05	6.09	Blue catfish
453	0-2367 (423%)	.006	.000-.031 (418%)	0.60	0.24	Black bullhead
4	0-21 (430%)	.000	.000-.000 (318%)	0.01	0.00	Black crappie
5638	2843-8432 (50%)	.092	.052-.131 (43%)	7.47	3.02	Bluegill
151	0-384 (155%)	.001	.000-.002 (112%)	0.20	0.08	Carp
16	0-47 (204%)	.000	.000-.000 (247%)	0.02	0.01	Unidentified catfis
73036	63531-82542 (13%)	.964	.852-1.077(12%)	96.82	39.18	Channel catfish
42	7-77 (83%)	.000	.000-.001 (73%)	0.06	0.02	Flathead catfish
1535	348-2722 (77%)	.017	.008-.025 (52%)	2.04	0.82	Freshwater drum
57	0-173 (204%)	.002	.000-.005 (178%)	0.08	0.03	Gizzard shad
7060	5001-9119 (29%)	.083	.055-.110 (33%)	9.36	3.79	Largemouth bass
4	0-14 (257%)	.000	.000-.000 (257%)	0.01	0.00	Rainbow trout
7573	5525-9621 (27%)	.059	.045-.073 (24%)	10.04	4.06	Striped bass x Whit
4250	2837-5663 (33%)	.060	.035-.086 (43%)	5.63	2.28	Smallmouth bass
34	0-85 (153%)	.000	.000-.001 (118%)	0.04	0.02	Walleye
1017	440-1594 (57%)	.014	.004-.023 (68%)	1.35	0.55	White bass
114	0-392 (245%)	.002	.000-.008 (236%)	0.15	0.06	White crappie
106	0-333 (214%)	.001	.000-.003 (214%)	0.14	0.06	Yellow bullhead
4117	2658-5576 (35%)	.038	.026-.050 (32%)	5.46	2.21	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
45097	39733-50461 (12%)	.611	.529-.693 (13%)	59.78	0.387	All species
14715	11190-18239 (24%)	.259	.180-.338 (31%)	19.51	1.296	Blue catfish
152	0-800 (426%)	.002	.000-.010 (427%)	0.20	0.336	Black bullhead
1	0-3 (318%)	.000	.000-.000 (430%)	0.00	0.200	Black crappie
549	336-763 (39%)	.009	.006-.013 (41%)	0.73	0.097	Bluegill
323	0-834 (158%)	.002	.000-.005 (121%)	0.43	2.147	Carp
		****	NOT RECORDED	****		Unidentified catfis
16242	13924-18560 (14%)	.208	.176-.241 (15%)	21.53	0.222	Channel catfish
31	0-65 (108%)	.000	.000-.001 (113%)	0.04	0.740	Flathead catfish
1235	0-2772 (124%)	.012	.004-.020 (68%)	1.64	0.804	Freshwater drum
3	0-11 (211%)	.000	.000-.000 (193%)	0.00	0.060	Gizzard shad
3372	2252-4492 (33%)	.038	.016-.059 (57%)	4.47	0.478	Largemouth bass
3	0-10 (278%)	.000	.000-.000 (278%)	0.00	0.707	Rainbow trout
5983	4383-7584 (27%)	.048	.035-.062 (28%)	7.93	0.790	Striped bass x Whit
1270	826-1714 (35%)	.019	.009-.028 (50%)	1.68	0.299	Smallmouth bass
10	0-20 (98%)	.000	.000-.001 (187%)	0.01	0.304	Walleye
404	56-751 (86%)	.005	.000-.010 (105%)	0.54	0.397	White bass
4	0-15 (236%)	.000	.000-.000 (245%)	0.01	0.039	White crappie
16	0-51 (221%)	.000	.000-.000 (222%)	0.02	0.151	Yellow bullhead
783	464-1101 (41%)	.007	.005-.010 (36%)	1.04	0.190	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
99422	87596-111248 (12%)	1.347	1.165-1.528 (13%)	53.34	0.853	All species
32441	24670-40211 (24%)	.571	.397-.746 (31%)	17.40	2.858	Blue catfish
335	0-1763 (426%)	.004	.000-.023 (427%)	0.18	0.740	Black bullhead
2	0-9 (430%)	.000	.000-.000 (430%)	0.00	0.442	Black crappie
1211	740-1682 (39%)	.021	.012-.029 (41%)	0.65	0.215	Bluegill
713	0-1838 (158%)	.005	.000-.010 (121%)	0.38	4.734	Carp
		****	NOT RECORDED ****			Unidentified catfis
35808	30698-40918 (14%)	.460	.389-.530 (15%)	19.21	0.490	Channel catfish
69	0-142 (108%)	.001	.000-.002 (113%)	0.04	1.631	Flathead catfish
2723	0-6112 (124%)	.027	.009-.045 (68%)	1.46	1.773	Freshwater drum
8	0-23 (211%)	.000	.000-.001 (193%)	0.00	0.132	Gizzard shad
7434	4964-9903 (33%)	.083	.036-.130 (57%)	3.99	1.053	Largemouth bass
6	0-23 (278%)	.000	.000-.000 (257%)	0.00	1.559	Rainbow trout
13191	9663-16720 (27%)	.106	.076-.136 (28%)	7.08	1.742	Striped bass x Whit
2799	1821-3778 (35%)	.041	.020-.062 (50%)	1.50	0.659	Smallmouth bass
23	1-45 (98%)	.000	.000-.001 (187%)	0.01	0.671	Walleye
890	125-1656 (86%)	.011	.000-.022 (105%)	0.48	0.876	White bass
10	0-33 (245%)	.000	.000-.001 (245%)	0.01	0.085	White crappie
35	0-114 (221%)	.000	.000-.001 (222%)	0.02	0.333	Yellow bullhead
1726	1024-2428 (41%)	.016	.010-.022 (36%)	0.93	0.419	Yellow bass

Table 8. Hours per completed trip and supplementary questions for all trips.

	MEAN	95% CI	MIN	MAX	#SAMPLES
HOURS PER COMPLETED TRIP*					
BOAT	4.9	4.8-5.1 (3%)	0.6	14.2	1022
SHORE	4.2	4.0-4.4 (5%)	0.3	13.0	610
BOAT & SHORE	4.7	4.5-4.8 (2%)	0.3	14.2	1632
MILES TRAVELED	41.2	40.1-42.3 (3%)	2	300	1918
SUCCESS RATING (1-10)	4.7	4.6-4.9 (3%)	1	10	1895

*1170 samples were from split interviews of completed trips.
76.2% of all 2142 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 2 out of 2142 interviews with illegal harvests.

Table 9. Frequency distribution of angler party size for all interviews.

PARTY SIZE:	1	2	3	4	5	6	7	8	9	10+
BOAT INTERVIEWS	193	572	213	50	11	2	4			
SHORE INTERVIEWS	386	438	180	58	17	9	7	1	1	

Table 10. Number of interviews (and %) per species sought for all interviews.

651 (30.4%)	ANY	All species
83 (3.9%)	BCF	Blue catfish
41 (1.9%)	BLG	Bluegill
123 (5.7%)	BSS	Black bass spp.
2 (0.1%)	CAP	Carp
623 (29.1%)	CAT	Unidentified catfish
417 (19.5%)	CCF	Channel catfish
42 (2.0%)	LMB	Largemouth bass
144 (6.7%)	SBH	Striped bass x White bass hybrid (Wiper)
11 (0.5%)	SMB	Smallmouth bass
1 (0.0%)	WAE	Walleye
1 (0.0%)	WHB	White bass
3 (0.1%)	YLB	Yellow bass

Striped bass x White bass hybrid (Wiper)

HARVEST	3240	83	23	43	12	19	13	-	-	2	8	-	-	-	-	-
RELEASE	3180	150	46	26	10	4	1	1	6	-	3	-	2	5	-	9

Smallmouth bass

HARVEST	3443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	3177	171	39	19	3	7	4	11	6	-	1	-	-	2	-	3

Walleye

HARVEST	3443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	3437	5	-	-	-	-	-	-	1	-	-	-	-	-	-	-

White bass

HARVEST	3419	17	3	-	-	3	-	-	-	-	1	-	-	-	-	-
RELEASE	3411	12	7	8	-	-	-	-	-	-	-	-	-	-	-	5

Yellow bullhead

HARVEST	3443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	3437	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-

Yellow bass

HARVEST	3353	30	15	17	8	5	1	4	-	1	5	3	-	-	-	1
RELEASE	3346	31	24	13	4	4	3	8	-	-	3	3	1	-	-	3