

ILLINOIS NATURAL HISTORY SURVEY
 DIVISION OF ECOLOGY & CONSERVATION SCIENCE
 2006 CREEL SURVEY RESULTS

2006 EVERGREEN LAKE
 925 ACRES
 REGION 3, DISTRICT 10

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/2006 through 10/31/2006
 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: 311/693 = 44.9%

NUMBER OF INTERVIEWS: 1619

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	24352	20347-28357 (16%)	26	22-31 (16%)	8%
	HOLIDAY	25246	21495-28996 (15%)	27	23-31 (15%)	14%
	TOTAL	49598	44111-55085 (11%)	54	48-60 (11%)	11%
SHORE	WEEKDAY	7317	6280-8354 (14%)	8	7-9 (14%)	11%
	HOLIDAY	8261	6940-9582 (16%)	9	8-10 (16%)	18%
	TOTAL	15578	13899-17258 (11%)	17	15-19 (11%)	15%
BOAT & SHORE	WEEKDAY	31669	27532-35807 (13%)	34	30-39 (13%)	9%
	HOLIDAY	33507	29531-37483 (12%)	36	32-41 (12%)	15%
	TOTAL	65176	59438-70914 (9%)	70	64-77 (9%)	12%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
18574	13908-23239 (25%)	.188	.151-.226 (20%)	49.62	20.08	All species
8368	5873-10862 (30%)	.084	.063-.104 (24%)	22.35	9.05	Black crappie
177	0-390 (121%)	.002	.000-.005 (103%)	0.47	0.19	Bluegill
		**** NOT RECORDED ****				Brown bullhead
		**** NOT RECORDED ****				Carp
1573	1125-2022 (28%)	.033	.023-.043 (31%)	4.20	1.70	Channel catfish
189	0-790 (318%)	.010	.000-.052 (430%)	0.50	0.20	Crappie spp.
		**** NOT RECORDED ****				Flathead catfish
		**** NOT RECORDED ****				Freshwater drum
		**** NOT RECORDED ****				Green sunfish
781	369-1193 (53%)	.005	.003-.008 (49%)	2.09	0.84	Largemouth bass
		**** NOT RECORDED ****				Muskellunge
		**** NOT RECORDED ****				Smallmouth bass
		**** NOT RECORDED ****				White bass
6928	3058-10798 (56%)	.043	.022-.064 (48%)	18.51	7.49	White crappie
265	122-408 (54%)	.007	.000-.014 (108%)	0.71	0.29	Walleye x Sauger hy
9	0-33 (257%)	.000	.000-.000 (245%)	0.03	0.01	Yellow bullhead
283	0-1068 (278%)	.005	.000-.019 (278%)	0.76	0.31	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
4924	3903-5944 (21%)	.052	.042-.061 (18%)	13.15	0.265	All species
1843	1266-2420 (31%)	.017	.013-.021 (24%)	4.92	0.220	Black crappie
9	0-22 (138%)	.000	.000-.000 (161%)	0.03	0.053	Bluegill
		**** NOT RECORDED ****				Brown bullhead
		**** NOT RECORDED ****				Carp
1054	743-1366 (30%)	.022	.014-.029 (34%)	2.82	0.670	Channel catfish
14	0-57 (318%)	.001	.000-.004 (430%)	0.04	0.072	Crappie spp.
		**** NOT RECORDED ****				Flathead catfish
		**** NOT RECORDED ****				Freshwater drum
		**** NOT RECORDED ****				Green sunfish
765	392-1138 (49%)	.005	.003-.007 (47%)	2.04	0.979	Largemouth bass
		**** NOT RECORDED ****				Muskellunge
		**** NOT RECORDED ****				Smallmouth bass
		**** NOT RECORDED ****				White bass
1206	547-1865 (55%)	.007	.004-.010 (45%)	3.22	0.174	White crappie
		**** NOT RECORDED ****				Walleye x Sauger hy
0	0-1 (257%)	.000	.000-.000 (245%)	0.00	0.029	Yellow bullhead
33	0-118 (257%)	.001	.000-.002 (257%)	0.09	0.117	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
10855	8605-13105 (21%)	.114	.094-.134 (18%)	11.74	0.584	All species
4063	2790-5335 (31%)	.037	.028-.046 (24%)	4.39	0.486	Black crappie
21	0-49 (138%)	.000	.000-.001 (161%)	0.02	0.117	Bluegill
			**** NOT RECORDED ****			Brown bullhead
			**** NOT RECORDED ****			Carp
2324	1637-3011 (30%)	.048	.032-.064 (34%)	2.51	1.477	Channel catfish
30	0-126 (318%)	.002	.000-.008 (430%)	0.03	0.159	Crappie spp.
			**** NOT RECORDED ****			Flathead catfish
			**** NOT RECORDED ****			Freshwater drum
			**** NOT RECORDED ****			Green sunfish
1686	864-2508 (49%)	.010	.006-.015 (47%)	1.82	2.158	Largemouth bass
			**** NOT RECORDED ****			Muskellunge
			**** NOT RECORDED ****			Smallmouth bass
			**** NOT RECORDED ****			White bass
2659	1205-4112 (55%)	.015	.008-.022 (45%)	2.87	0.384	White crappie
			**** NOT RECORDED ****			Walleye x Sauger hy
1	0-2 (245%)	.000	.000-.000 (245%)	0.00	0.065	Yellow bullhead
73	0-259 (257%)	.001	.000-.005 (257%)	0.08	0.257	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
62226	53236-71216 (14%)	.719	.647-.791 (10%)	166.23	67.27	All species
14694	10724-18663 (27%)	.160	.129-.191 (19%)	39.25	15.88	Black crappie
4745	3832-5658 (19%)	.097	.072-.122 (26%)	12.68	5.13	Bluegill
266	139-393 (48%)	.004	.001-.007 (72%)	0.71	0.29	Brown bullhead
937	515-1360 (45%)	.020	.005-.035 (75%)	2.50	1.01	Carp
2694	1992-3396 (26%)	.049	.036-.061 (26%)	7.20	2.91	Channel catfish
1758	0-3633 (107%)	.021	.000-.051 (142%)	4.70	1.90	Crappie spp.
2	0-7 (278%)	.000	.000-.000 (278%)	0.00	0.00	Flathead catfish
158	77-240 (52%)	.003	.001-.005 (59%)	0.42	0.17	Freshwater drum
4	0-14 (213%)	.000	.000-.000 (213%)	0.01	0.00	Green sunfish
22464	19058-25869 (15%)	.232	.198-.266 (15%)	60.01	24.29	Largemouth bass
530	347-713 (35%)	.003	.002-.005 (40%)	1.42	0.57	Muskellunge
12	0-44 (257%)	.000	.000-.001 (278%)	0.03	0.01	Smallmouth bass
97	0-230 (138%)	.002	.000-.005 (229%)	0.26	0.10	White bass
9810	4553-15067 (54%)	.061	.036-.085 (40%)	26.21	10.61	White crappie
2813	1941-3686 (31%)	.048	.027-.068 (43%)	7.52	3.04	Walleye x Sauger hy
26	0-63 (146%)	.000	.000-.000 (136%)	0.07	0.03	Yellow bullhead
1216	0-3034 (150%)	.020	.000-.052 (165%)	3.25	1.31	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
16287	14302-18273 (12%)	.171	.155-.187 (9%)	43.51	0.262	All species
2420	1738-3101 (28%)	.024	.020-.029 (20%)	6.46	0.165	Black crappie
225	168-281 (25%)	.004	.003-.005 (26%)	0.60	0.047	Bluegill
53	28-78 (47%)	.001	.000-.001 (65%)	0.14	0.200	Brown bullhead
421	254-589 (40%)	.008	.003-.013 (64%)	1.13	0.449	Carp
1333	985-1682 (26%)	.025	.018-.033 (30%)	3.56	0.495	Channel catfish
118	9-228 (92%)	.001	.000-.004 (170%)	0.32	0.067	Crappie spp.
5	0-17 (257%)	.000	.000-.000 (278%)	0.01	2.615	Flathead catfish
43	20-65 (54%)	.001	.000-.001 (62%)	0.11	0.269	Freshwater drum
0	0-1 (213%)	.000	.000-.000 (213%)	0.00	0.063	Green sunfish
9289	7978-10600 (14%)	.090	.078-.102 (14%)	24.81	0.414	Largemouth bass
884	595-1173 (33%)	.006	.004-.008 (39%)	2.36	1.668	Muskellunge
11	0-41 (278%)	.000	.000-.001 (278%)	0.03	0.890	Smallmouth bass
6	0-16 (171%)	.000	.000-.000 (238%)	0.02	0.060	White bass
1389	655-2122 (53%)	.008	.005-.012 (41%)	3.71	0.142	White crappie
		****	NOT RECORDED ****			Walleye x Sauger hy
1	0-2 (130%)	.000	.000-.000 (171%)	0.00	0.040	Yellow bullhead
90	0-245 (173%)	.001	.000-.004 (191%)	0.24	0.074	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
35908	31531-40285	(12%)	.377	.342-.412 (9%)	38.82	0.577	All species
5335	3832-6838	(28%)	.054	.043-.065 (20%)	5.77	0.363	Black crappie
495	371-619	(25%)	.009	.007-.012 (26%)	0.54	0.104	Bluegill
117	62-172	(47%)	.002	.001-.003 (65%)	0.13	0.440	Brown bullhead
929	560-1298	(40%)	.018	.006-.030 (64%)	1.00	0.991	Carp
2939	2172-3707	(26%)	.056	.039-.073 (30%)	3.18	1.091	Channel catfish
261	20-502	(92%)	.003	.000-.008 (170%)	0.28	0.148	Crappie spp.
11	0-40	(278%)	.000	.000-.001 (278%)	0.01	5.765	Flathead catfish
94	44-144	(54%)	.002	.001-.003 (62%)	0.10	0.593	Freshwater drum
1	0-2	(214%)	.000	.000-.000 (213%)	0.00	0.139	Green sunfish
20479	17589-23369	(14%)	.198	.171-.225 (14%)	22.14	0.912	Largemouth bass
1950	1313-2587	(33%)	.013	.008-.018 (39%)	2.11	3.677	Muskellunge
24	0-90	(278%)	.000	.000-.002 (278%)	0.03	1.961	Smallmouth bass
13	0-35	(171%)	.000	.000-.001 (238%)	0.01	0.132	White bass
3061	1444-4679	(53%)	.018	.011-.026 (41%)	3.31	0.312	White crappie
			****	NOT RECORDED ****			Walleye x Sauger hy
2	0-5	(130%)	.000	.000-.000 (171%)	0.00	0.087	Yellow bullhead
198	0-540	(173%)	.003	.000-.009 (191%)	0.21	0.163	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	5.6	5.4-5.9 (5%)	0.5	10.5	366
SHORE	2.7	1.0-4.3 (62%)	0.5	8.0	13
BOAT & SHORE	5.5	5.3-5.8 (5%)	0.5	10.5	379
MILES TRAVELED	28.9	28.0-29.9 (3%)	1	115	999
SUCCESS RATING (1-10)	5.0	4.8-5.1 (3%)	1	10	990

*284 samples were from split interviews of completed trips.
28.9% of all 1311 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 0 out of 1311 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	344	365	119	36						
SHORE INTERVIEWS	121	135	86	79	12	2	11			1

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

235 (17.9%)	ANY	All species
3 (0.2%)	BLG	Bluegill
53 (4.0%)	CAT	Unidentified catfish
64 (4.9%)	CCF	Channel catfish
248 (18.9%)	CRP	Crappie spp.
420 (32.0%)	LMB	Largemouth bass
146 (11.1%)	MUE	Muskellunge
142 (10.8%)	WSH	Walleye x Sauger hybrid (Saugeye)

Table 11. Number of anglers with a given harvest & release for completed trips

# OF FISH:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15+
Black crappie																
HARVEST	602	11	7	13	5	9	13	13	10	1	-	4	1	2	2	5
RELEASE	576	27	22	23	15	6	14	-	2	-	5	-	8	-	-	-
Bluegill																
HARVEST	696	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
RELEASE	676	8	7	4	1	-	2	-	-	-	-	-	-	-	-	-
Brown bullhead																
HARVEST	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	697	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Carp																
HARVEST	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	693	3	-	-	-	-	-	1	-	-	1	-	-	-	-	-
Channel catfish																
HARVEST	695	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-
RELEASE	683	13	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Crappie spp.																
HARVEST	696	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
RELEASE	667	5	3	4	-	-	3	3	1	-	5	-	-	2	-	5
Flathead catfish																
HARVEST	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	696	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freshwater drum																
HARVEST	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	693	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Largemouth bass																
HARVEST	673	6	11	5	3	-	-	-	-	-	-	-	-	-	-	-
RELEASE	344	64	57	51	40	31	27	19	17	16	4	1	4	5	5	13
Muskellunge																
HARVEST	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	654	38	5	1	-	-	-	-	-	-	-	-	-	-	-	-
White bass																
HARVEST	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	693	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
White crappie																
HARVEST	621	13	5	14	13	-	7	2	4	-	5	-	2	2	-	10
RELEASE	663	9	7	11	2	4	-	-	-	-	1	-	-	-	-	1

2006 EVERGREEN LAKE

DAY CREEL

03/15/2006 - 10/31/2006

Table 11.(Cont.) Number of anglers with a given harvest & release for completed trips

# OF FISH:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15+
Walleye x Sauger hybrid (Saugeye)																
HARVEST	686	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	616	31	12	20	4	7	2	2	-	1	-	-	3	-	-	-
Yellow bullhead																
HARVEST	696	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow bass																
HARVEST	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	679	12	2	2	1	-	1	-	-	-	1	-	-	-	-	-