

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

2007 BRAIDWOOD LAKE
 2241 ACRES
 REGION 2, DISTRICT 7

STRATIFICATION SUMMARY:

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

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: 296/645 = 45.9%

NUMBER OF INTERVIEWS: 2457

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	16575	14498-18653 (13%)	7	6-8 (13%)	9%
	HOLIDAY	28098	24545-31652 (13%)	13	11-14 (13%)	13%
	TOTAL	44674	40558-48790 (9%)	20	18-22 (9%)	11%
SHORE	WEEKDAY	24858	22522-27194 (9%)	11	10-12 (9%)	8%
	HOLIDAY	30675	27696-33654 (10%)	14	12-15 (10%)	11%
	TOTAL	55533	51747-59319 (7%)	25	23-26 (7%)	9%
BOAT & SHORE	WEEKDAY	41433	38307-44560 (8%)	18	17-20 (8%)	8%
	HOLIDAY	58774	54137-63410 (8%)	26	24-28 (8%)	12%
	TOTAL	100207	94614-105799 (6%)	45	42-47 (6%)	10%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
49216	42738-55693 (13%)	.426	.370-.483 (13%)	54.26	21.96	All species
64	0-141 (119%)	.001	.000-.002 (130%)	0.07	0.03	Blue catfish
165	43-287 (74%)	.001	.000-.002 (66%)	0.18	0.07	Black crappie
7957	4802-11113 (40%)	.066	.042-.091 (37%)	8.77	3.55	Bluegill
93	45-142 (52%)	.001	.000-.001 (68%)	0.10	0.04	Carp
40326	35138-45513 (13%)	.350	.303-.397 (13%)	44.46	17.99	Channel catfish
331	113-548 (66%)	.004	.002-.007 (65%)	0.36	0.15	Flathead catfish
10	0-28 (172%)	.000	.000-.000 (197%)	0.01	0.00	Freshwater drum
		****	NOT RECORDED ****			Gizzard shad
249	91-407 (63%)	.002	.000-.005 (101%)	0.27	0.11	Largemouth bass
		****	NOT RECORDED ****			Pumpkinseed
		****	NOT RECORDED ****			Rock bass
		****	NOT RECORDED ****			Smallmouth bass
		****	NOT RECORDED ****			Striped bass
		****	NOT RECORDED ****			Walleye
20	0-54 (173%)	.000	.000-.000 (219%)	0.02	0.01	White crappie
		****	NOT RECORDED ****			Yellow bullhead

Table 3. Total fishing harvest and harvest rates, in kilograms.

KG HARVESTED	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
13460	11660-15261 (13%)	.134	.104-.165 (23%)	14.84	0.273	All species
107	8-206 (93%)	.002	.000-.003 (103%)	0.12	1.658	Blue catfish
54	18-91 (67%)	.000	.000-.001 (75%)	0.06	0.329	Black crappie
314	223-405 (29%)	.003	.002-.004 (36%)	0.35	0.039	Bluegill
143	47-240 (68%)	.001	.000-.002 (76%)	0.16	1.533	Carp
11951	10298-13603 (14%)	.119	.089-.148 (25%)	13.18	0.296	Channel catfish
543	112-974 (79%)	.007	.000-.014 (99%)	0.60	1.643	Flathead catfish
10	0-26 (147%)	.000	.000-.000 (172%)	0.01	1.000	Freshwater drum
		****	NOT RECORDED ****			Gizzard shad
329	85-574 (74%)	.003	.000-.005 (82%)	0.36	1.322	Largemouth bass
		****	NOT RECORDED ****			Pumpkinseed
		****	NOT RECORDED ****			Rock bass
		****	NOT RECORDED ****			Smallmouth bass
		****	NOT RECORDED ****			Striped bass
		****	NOT RECORDED ****			Walleye
9	0-23 (167%)	.000	.000-.000 (194%)	0.01	0.429	White crappie
		****	NOT RECORDED ****			Yellow bullhead

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

LB HARVESTED	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
29675	25705-33644 (13%)	.296	.230-.363 (23%)	13.24	0.603	All species
235	17-454 (93%)	.003	.000-.007 (103%)	0.10	3.655	Blue catfish
120	39-200 (67%)	.001	.000-.001 (75%)	0.05	0.725	Black crappie
693	493-893 (29%)	.006	.004-.008 (36%)	0.31	0.087	Bluegill
316	103-529 (68%)	.003	.001-.004 (76%)	0.14	3.380	Carp
26347	22704-29990 (14%)	.262	.197-.327 (25%)	11.76	0.653	Channel catfish
1197	247-2148 (79%)	.016	.000-.031 (99%)	0.53	3.622	Flathead catfish
23	0-56 (147%)	.000	.000-.000 (172%)	0.01	2.204	Freshwater drum
		****	NOT RECORDED ****			Gizzard shad
726	187-1265 (74%)	.006	.001-.011 (82%)	0.32	2.915	Largemouth bass
		****	NOT RECORDED ****			Pumpkinseed
		****	NOT RECORDED ****			Rock bass
		****	NOT RECORDED ****			Smallmouth bass
		****	NOT RECORDED ****			Striped bass
		****	NOT RECORDED ****			Walleye
19	0-50 (167%)	.000	.000-.000 (194%)	0.01	0.946	White crappie
		****	NOT RECORDED ****			Yellow bullhead

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
127518	114184-140852 (10%)	1.147	1.018-1.276 (11%)	140.59	56.89	All species
72	0-151 (109%)	.001	.000-.002 (127%)	0.08	0.03	Blue catfish
360	155-565 (57%)	.003	.001-.004 (50%)	0.40	0.16	Black crappie
24873	20250-29497 (19%)	.206	.170-.241 (17%)	27.42	11.10	Bluegill
898	464-1333 (48%)	.006	.004-.009 (36%)	0.99	0.40	Carp
94307	83224-105390 (12%)	.858	.741-.975 (14%)	103.97	42.08	Channel catfish
358	139-578 (61%)	.005	.002-.008 (61%)	0.40	0.16	Flathead catfish
364	232-496 (36%)	.003	.002-.005 (57%)	0.40	0.16	Freshwater drum
3	0-10 (226%)	.000	.000-.000 (226%)	0.00	0.00	Gizzard shad
6043	4119-7966 (32%)	.064	.038-.089 (40%)	6.66	2.70	Largemouth bass
13	0-42 (231%)	.000	.000-.000 (231%)	0.01	0.01	Pumpkinseed
42	0-136 (223%)	.000	.000-.001 (220%)	0.05	0.02	Rock bass
57	7-107 (87%)	.000	.000-.001 (104%)	0.06	0.03	Smallmouth bass
82	0-228 (179%)	.000	.000-.001 (223%)	0.09	0.04	Striped bass
7	0-37 (430%)	.000	.000-.000 (318%)	0.01	0.00	Walleye
25	0-60 (139%)	.000	.000-.000 (171%)	0.03	0.01	White crappie
13	0-45 (257%)	.000	.000-.000 (278%)	0.01	0.01	Yellow bullhead

Table 6. Total fishing catch and catch rates, in kilograms.

KG CAUGHT	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
25657	22501-28813 (12%)	.263	.188-.339 (29%)	28.29	0.201	All species
116	16-216 (87%)	.002	.000-.003 (102%)	0.13	1.607	Blue catfish
102	47-157 (54%)	.001	.000-.001 (52%)	0.11	0.282	Black crappie
788	641-936 (19%)	.006	.005-.008 (19%)	0.87	0.032	Bluegill
1093	539-1648 (51%)	.008	.005-.011 (41%)	1.21	1.217	Carp
18157	15538-20776 (14%)	.193	.118-.267 (39%)	20.02	0.193	Channel catfish
592	155-1030 (74%)	.007	.000-.015 (94%)	0.65	1.652	Flathead catfish
329	196-462 (41%)	.003	.001-.004 (51%)	0.36	0.904	Freshwater drum
1	0-2 (226%)	.000	.000-.000 (223%)	0.00	0.161	Gizzard shad
4383	2875-5891 (34%)	.043	.027-.060 (38%)	4.83	0.725	Largemouth bass
0	0-1 (231%)	.000	.000-.000 (231%)	0.00	0.018	Pumpkinseed
1	0-4 (220%)	.000	.000-.000 (220%)	0.00	0.031	Rock bass
38	3-74 (93%)	.000	.000-.001 (113%)	0.04	0.669	Smallmouth bass
42	0-141 (234%)	.000	.000-.000 (256%)	0.05	0.515	Striped bass
2	0-7 (318%)	.000	.000-.000 (430%)	0.00	0.250	Walleye
10	0-24 (147%)	.000	.000-.000 (170%)	0.01	0.383	White crappie
3	0-10 (278%)	.000	.000-.000 (257%)	0.00	0.206	Yellow bullhead

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

LB CAUGHT	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
56564	49606-63522 (12%)	.581	.414-.747 (29%)	25.24	0.444	All species
255	34-476 (87%)	.003	.000-.007 (102%)	0.11	3.544	Blue catfish
224	103-346 (54%)	.002	.001-.002 (52%)	0.10	0.623	Black crappie
1738	1412-2064 (19%)	.014	.012-.017 (19%)	0.78	0.070	Bluegill
2410	1187-3632 (51%)	.018	.011-.025 (41%)	1.08	2.683	Carp
40030	34257-45804 (14%)	.424	.259-.589 (39%)	17.86	0.424	Channel catfish
1306	341-2270 (74%)	.017	.001-.032 (94%)	0.58	3.642	Flathead catfish
725	432-1019 (41%)	.006	.003-.009 (51%)	0.32	1.993	Freshwater drum
1	0-4 (223%)	.000	.000-.000 (223%)	0.00	0.354	Gizzard shad
9663	6338-12988 (34%)	.095	.059-.132 (38%)	4.31	1.599	Largemouth bass
0	0-2 (236%)	.000	.000-.000 (231%)	0.00	0.039	Pumpkinseed
3	0-9 (220%)	.000	.000-.000 (220%)	0.00	0.068	Rock bass
84	6-162 (93%)	.001	.000-.001 (113%)	0.04	1.475	Smallmouth bass
93	0-311 (234%)	.000	.000-.001 (256%)	0.04	1.136	Striped bass
4	0-16 (318%)	.000	.000-.000 (318%)	0.00	0.551	Walleye
21	0-52 (147%)	.000	.000-.000 (170%)	0.01	0.845	White crappie
6	0-20 (257%)	.000	.000-.000 (278%)	0.00	0.454	Yellow bullhead

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

	MEAN	95% CI	MIN	MAX	#SAMPLES
HOURS PER COMPLETED TRIP*					
BOAT	4.5	4.3-4.7 (5%)	0.5	11.8	517
SHORE	2.8	2.6-2.9 (6%)	0.3	11.0	496
BOAT & SHORE	3.6	3.5-3.8 (4%)	0.3	11.8	1013
MILES TRAVELED	27.8	26.8-28.7 (3%)	1	90	1601
SUCCESS RATING (1-10)	5.7	5.6-5.8 (2%)	1	10	1600

*608 samples were from split interviews of completed trips.
55.7% of all 1818 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 8 out of 1818 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	133	288	113	23	2					1
SHORE INTERVIEWS	424	532	186	55	49	5	3	1		3

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

931 (51.2%)	ANY	All species
1 (0.1%)	BLG	Bluegill
161 (8.9%)	BSS	Black bass spp.
712 (39.2%)	CAT	Unidentified catfish
12 (0.7%)	LMB	Largemouth bass
1 (0.1%)	WAE	Walleye

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+
Blue catfish																
HARVEST	2137	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2143	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black crappie																
HARVEST	2130	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2120	20	3	-	-	2	-	-	-	-	-	-	-	-	-	-
Bluegill																
HARVEST	1965	68	39	34	4	23	5	-	1	1	4	-	-	-	-	1
RELEASE	1791	129	90	59	13	29	10	-	9	-	11	-	2	-	-	2
Carp																
HARVEST	2129	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2085	57	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Channel catfish																
HARVEST	1305	152	170	155	131	63	40	30	25	8	19	8	2	6	8	23
RELEASE	1075	305	203	139	55	68	47	55	34	6	56	7	11	17	4	63
Flathead catfish																
HARVEST	2092	47	6	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2136	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freshwater drum																
HARVEST	2144	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2093	51	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Largemouth bass																
HARVEST	2132	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	1920	130	42	18	10	9	1	2	1	3	1	1	-	3	-	4
Rock bass																
HARVEST	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2143	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallmouth bass																
HARVEST	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2134	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Striped bass																
HARVEST	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2137	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Walleye																
HARVEST	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RELEASE	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White crappie																

