

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 2004 CREEL SURVEY RESULTS

2004 PARIS WEST LAKE
 75 ACRES
 REGION 3, DISTRICT 11

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/2004 through 10/31/2004
 Year periods stratified.
 Fishing modes (boat vs. shore) stratified.
 Day types (weekday vs. weekend/holiday) stratified.
 Day periods (morning, midday, and afternoon) stratified.
 Yearperiod 4 coalesced with yearperiod 5.

SAMPLING RATIO: 160/693 = 23.1%

NUMBER OF INTERVIEWS: 514

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	717	349-1086 (51%)	10	5-15 (51%)	9%
	HOLIDAY	2218	1589-2848 (28%)	30	21-38 (28%)	23%
	TOTAL	2935	2249-3622 (23%)	39	30-49 (23%)	20%
SHORE	WEEKDAY	3579	2657-4501 (26%)	48	36-60 (26%)	7%
	HOLIDAY	3207	2450-3965 (24%)	43	33-53 (24%)	19%
	TOTAL	6786	5667-7906 (16%)	91	76-106 (16%)	13%
BOAT & SHORE	WEEKDAY	4296	3349-5243 (22%)	58	45-70 (22%)	7%
	HOLIDAY	5426	4478-6373 (17%)	73	60-85 (17%)	21%
	TOTAL	9722	8409-11035 (14%)	130	113-148 (14%)	15%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
3384	1821-4946 (46%)	.171	.091-.252 (47%)	112.07	45.36	All species
9	0-31 (235%)	.000	.000-.000 (161%)	0.30	0.12	Bluegill x Green su
6	0-32 (430%)	.000	.000-.005 (1271%)	0.20	0.08	Black crappie
2145	705-3585 (67%)	.100	.024-.176 (76%)	71.05	28.76	Bluegill
8	8-8 (0%)	.001	.000-.011 (1271%)	0.25	0.10	Carp
504	231-777 (54%)	.034	.009-.059 (73%)	16.69	6.76	Channel catfish
		****	NOT RECORDED ****			Crappie spp.
123	31-214 (74%)	.010	.000-.094 (863%)	4.07	1.65	Green sunfish
31	0-119 (278%)	.003	.000-.012 (278%)	1.04	0.42	Gizzard shad
		****	NOT RECORDED ****			Longear sunfish x G
231	0-474 (105%)	.012	.002-.021 (79%)	7.66	3.10	Largemouth bass
10	0-32 (232%)	.000	.000-.000 (187%)	0.31	0.13	Longear sunfish
13	0-43 (223%)	.000	.000-.000 (223%)	0.44	0.18	Orangespotted sunfi
210	0-458 (119%)	.006	.000-.013 (137%)	6.94	2.81	White crappie
70	0-140 (101%)	.005	.000-.014 (178%)	2.32	0.94	Yellow bullhead
24	0-67 (183%)	.001	.000-.002 (169%)	0.79	0.32	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
640	379-901 (41%)	.035	.021-.048 (39%)	21.19	0.189	All species
1	0-1 (173%)	.000	.000-.000 (176%)	0.02	0.058	Bluegill x Green su
1	0-8 (430%)	.000	.000-.000 (430%)	0.05	0.248	Black crappie
164	58-270 (65%)	.008	.001-.015 (84%)	5.43	0.076	Bluegill
0	0-0 (0%)	.000	.000-.000 (1271%)	0.00	0.004	Carp
176	80-273 (55%)	.011	.004-.019 (64%)	5.84	0.350	Channel catfish
		****	NOT RECORDED ****			Crappie spp.
9	3-15 (69%)	.001	.000-.008 (849%)	0.30	0.073	Green sunfish
2	0-7 (278%)	.000	.000-.001 (257%)	0.06	0.057	Gizzard shad
		****	NOT RECORDED ****			Longear sunfish x G
209	21-396 (90%)	.012	.002-.022 (84%)	6.91	0.902	Largemouth bass
1	0-2 (173%)	.000	.000-.000 (196%)	0.02	0.066	Longear sunfish
1	0-2 (223%)	.000	.000-.000 (220%)	0.02	0.054	Orangespotted sunfi
64	0-153 (141%)	.002	.000-.004 (133%)	2.11	0.304	White crappie
12	0-25 (112%)	.001	.000-.003 (213%)	0.39	0.167	Yellow bullhead
1	0-4 (172%)	.000	.000-.000 (159%)	0.05	0.058	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
1410	835-1986	(41%)	.077	.047-.107 (39%)	18.90	0.417	All species
1	0-3	(173%)	.000	.000-.000 (176%)	0.02	0.127	Bluegill x Green su
3	0-45	(1271%)	.000	.000-.001 (430%)	0.04	0.547	Black crappie
361	127-596	(65%)	.018	.003-.033 (84%)	4.84	0.168	Bluegill
0	0-0	(0%)	.000	.000-.000 (1271%)	0.00	0.008	Carp
389	177-601	(55%)	.025	.009-.041 (64%)	5.21	0.771	Channel catfish
			****	NOT RECORDED ****			Crappie spp.
20	6-33	(69%)	.002	.000-.017 (849%)	0.26	0.160	Green sunfish
4	0-14	(257%)	.000	.000-.001 (257%)	0.05	0.127	Gizzard shad
			****	NOT RECORDED ****			Longear sunfish x G
460	47-873	(90%)	.026	.004-.048 (84%)	6.16	1.988	Largemouth bass
1	0-4	(173%)	.000	.000-.000 (196%)	0.02	0.147	Longear sunfish
2	0-5	(220%)	.000	.000-.000 (223%)	0.02	0.120	Orangespotted sunfi
140	0-338	(141%)	.004	.000-.008 (133%)	1.88	0.670	White crappie
26	0-55	(112%)	.002	.000-.006 (213%)	0.35	0.369	Yellow bullhead
3	0-8	(172%)	.000	.000-.000 (159%)	0.04	0.127	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
16066	11273-20859 (30%)	.845	.666-1.024 (21%)	532.17	215.37	All species
14	0-34 (146%)	.001	.000-.002 (193%)	0.45	0.18	Bluegill x Green su
453	123-783 (73%)	.067	.000-.157 (135%)	15.00	6.07	Black crappie
8660	5795-11526 (33%)	.421	.291-.552 (31%)	286.86	116.09	Bluegill
85	0-205 (142%)	.005	.000-.012 (134%)	2.82	1.14	Carp
1242	808-1677 (35%)	.079	.044-.113 (44%)	41.15	16.65	Channel catfish
38	0-117 (205%)	.001	.000-.003 (199%)	1.27	0.51	Crappie spp.
249	129-370 (48%)	.015	.000-.104 (575%)	8.25	3.34	Green sunfish
31	0-119 (278%)	.003	.000-.012 (278%)	1.04	0.42	Gizzard shad
64	0-206 (223%)	.001	.000-.004 (220%)	2.12	0.86	Longear sunfish x G
2444	1776-3112 (27%)	.144	.098-.191 (32%)	80.94	32.76	Largemouth bass
54	0-109 (101%)	.002	.000-.004 (109%)	1.79	0.72	Longear sunfish
13	0-43 (223%)	.000	.000-.000 (223%)	0.44	0.18	Orangespotted sunfi
2348	0-5852 (149%)	.085	.005-.165 (94%)	77.76	31.47	White crappie
250	88-412 (65%)	.014	.004-.024 (73%)	8.29	3.35	Yellow bullhead
120	0-255 (112%)	.006	.000-.013 (103%)	3.99	1.61	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
2329	1770-2888 (24%)	.130	.101-.158 (22%)	77.16	0.145	All species
1	0-2 (126%)	.000	.000-.000 (187%)	0.03	0.057	Bluegill x Green su
26	10-43 (63%)	.004	.000-.009 (147%)	0.87	0.058	Black crappie
405	254-556 (37%)	.020	.011-.028 (42%)	13.41	0.047	Bluegill
85	0-288 (238%)	.004	.000-.015 (236%)	2.82	1.001	Carp
314	199-429 (37%)	.020	.012-.028 (41%)	10.41	0.253	Channel catfish
1	0-4 (218%)	.000	.000-.000 (174%)	0.05	0.037	Crappie spp.
16	7-24 (53%)	.001	.000-.008 (641%)	0.53	0.064	Green sunfish
2	0-7 (278%)	.000	.000-.001 (257%)	0.06	0.057	Gizzard shad
4	0-12 (223%)	.000	.000-.000 (223%)	0.12	0.058	Longear sunfish x G
1262	859-1665 (32%)	.073	.048-.098 (34%)	41.81	0.516	Largemouth bass
3	0-5 (101%)	.000	.000-.000 (108%)	0.09	0.049	Longear sunfish
1	0-2 (223%)	.000	.000-.000 (220%)	0.02	0.054	Orangespotted sunfi
166	0-400 (141%)	.005	.001-.009 (81%)	5.48	0.071	White crappie
39	3-75 (93%)	.002	.000-.005 (114%)	1.29	0.156	Yellow bullhead
5	0-10 (95%)	.000	.000-.000 (73%)	0.16	0.041	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
5135	3903-6368	(24%)	.286	.223-.349 (22%)	68.84	0.320	All species
2	0-4	(126%)	.000	.000-.000 (187%)	0.02	0.126	Bluegill x Green su
58	21-95	(63%)	.008	.000-.021 (147%)	0.78	0.128	Black crappie
893	560-1225	(37%)	.043	.025-.061 (42%)	11.97	0.103	Bluegill
188	0-635	(238%)	.010	.000-.033 (236%)	2.52	2.207	Carp
693	439-947	(37%)	.044	.026-.061 (41%)	9.29	0.558	Channel catfish
3	0-10	(218%)	.000	.000-.000 (174%)	0.04	0.082	Crappie spp.
35	17-54	(53%)	.002	.000-.018 (641%)	0.47	0.141	Green sunfish
4	0-14	(257%)	.000	.000-.001 (257%)	0.05	0.127	Gizzard shad
8	0-26	(223%)	.000	.000-.001 (223%)	0.11	0.128	Longear sunfish x G
2783	1894-3672	(32%)	.161	.106-.215 (34%)	37.30	1.139	Largemouth bass
6	0-12	(101%)	.000	.000-.000 (108%)	0.08	0.107	Longear sunfish
2	0-5	(220%)	.000	.000-.000 (223%)	0.02	0.120	Orangespotted sunfi
365	0-881	(141%)	.011	.002-.021 (81%)	4.89	0.155	White crappie
86	6-166	(93%)	.005	.000-.011 (114%)	1.15	0.344	Yellow bullhead
11	1-21	(95%)	.000	.000-.001 (73%)	0.14	0.089	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	4.1	3.4-4.8	(17%)	0.5	8.0	58
SHORE	1.2	1.0-1.4	(17%)	0.2	7.5	98
BOAT & SHORE	2.3	1.9-2.7	(16%)	0.2	8.0	156
MILES TRAVELED	11.6	7.7-15.6	(34%)	1	800	448
SUCCESS RATING (1-10)	4.1	3.8-4.3	(6%)	1	10	447

*32 samples were from split interviews of completed trips.
32.4% of all 482 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 2 out of 482 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	49	64	7							
SHORE INTERVIEWS	165	119	49	18	9	2				

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

158 (32.8%)	ANY	All species
1 (0.2%)	BLC	Black crappie
45 (9.3%)	BLG	Bluegill
2 (0.4%)	CAP	Carp
75 (15.6%)	CAT	Unidentified catfish
64 (13.3%)	CCF	Channel catfish
14 (2.9%)	CRP	Crappie spp.
123 (25.5%)	LMB	Largemouth bass

