

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

2004 PARIS EAST LAKE
 163 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 3 coalesced with yearperiod 4.
 Yearperiod 4 coalesced with yearperiod 5.

SAMPLING RATIO: 153/693 = 22.1%

NUMBER OF INTERVIEWS: 552

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	2973	2219-3727 (25%)	18	14-23 (25%)	6%
	HOLIDAY	4201	2962-5441 (30%)	26	18-33 (30%)	19%
	TOTAL	7174	5770-8578 (20%)	44	35-53 (20%)	13%
SHORE	WEEKDAY	4213	3201-5224 (24%)	26	20-32 (24%)	6%
	HOLIDAY	3197	2631-3764 (18%)	20	16-23 (18%)	15%
	TOTAL	7410	6290-8530 (15%)	45	39-52 (15%)	10%
BOAT & SHORE	WEEKDAY	7186	5960-8411 (17%)	44	37-52 (17%)	6%
	HOLIDAY	7399	6086-8711 (18%)	45	37-53 (18%)	17%
	TOTAL	14584	12788-16380 (12%)	89	78-100 (12%)	12%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
5119	1000-9238	(80%)	.205	.007-.402 (97%)	77.60	31.40	All species
99	4-193	(96%)	.006	.000-.012 (101%)	1.49	0.60	Black crappie
2941	0-6744	(129%)	.098	.001-.196 (99%)	44.59	18.05	Bluegill
			****	NOT RECORDED ****			Carp
552	286-819	(48%)	.028	.014-.042 (49%)	8.37	3.39	Channel catfish
			****	NOT RECORDED ****			Crappie spp.
54	0-116	(114%)	.002	.000-.005 (261%)	0.82	0.33	Green sunfish
213	67-360	(69%)	.016	.000-.040 (155%)	3.23	1.31	Largemouth bass
97	0-222	(128%)	.001	.000-.003 (126%)	1.48	0.60	Longear sunfish
622	104-1140	(83%)	.025	.004-.046 (83%)	9.43	3.82	White crappie
168	43-293	(74%)	.005	.001-.010 (89%)	2.55	1.03	Yellow bullhead
372	0-4573	(1130%)	.024	.000-.312 (1226%)	5.64	2.28	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
907	473-1340	(48%)	.042	.020-.063 (51%)	13.74	0.177	All species
15	0-30	(102%)	.001	.000-.002 (102%)	0.22	0.150	Black crappie
269	0-649	(141%)	.009	.000-.017 (103%)	4.08	0.092	Bluegill
			****	NOT RECORDED ****			Carp
242	113-371	(53%)	.011	.006-.016 (44%)	3.67	0.438	Channel catfish
			****	NOT RECORDED ****			Crappie spp.
5	0-10	(111%)	.000	.000-.001 (777%)	0.07	0.084	Green sunfish
181	46-316	(74%)	.013	.000-.033 (154%)	2.74	0.849	Largemouth bass
6	0-14	(123%)	.000	.000-.000 (120%)	0.09	0.063	Longear sunfish
132	32-231	(76%)	.005	.001-.010 (87%)	1.99	0.211	White crappie
35	7-64	(79%)	.001	.000-.002 (94%)	0.54	0.211	Yellow bullhead
22	0-252	(1051%)	.001	.000-.017 (1196%)	0.33	0.059	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
1999	1042-2955 (48%)	.092	.044-.139 (51%)	12.26	0.390	All species
33	0-66 (102%)	.002	.000-.004 (102%)	0.20	0.331	Black crappie
594	0-1430 (141%)	.019	.000-.038 (103%)	3.64	0.202	Bluegill
		****	NOT RECORDED ****			Carp
533	248-819 (53%)	.025	.014-.036 (44%)	3.27	0.966	Channel catfish
		****	NOT RECORDED ****			Crappie spp.
10	0-21 (111%)	.000	.000-.002 (777%)	0.06	0.185	Green sunfish
399	102-696 (74%)	.028	.000-.072 (154%)	2.45	1.871	Largemouth bass
14	0-30 (123%)	.000	.000-.000 (120%)	0.08	0.140	Longear sunfish
290	70-510 (76%)	.012	.002-.022 (87%)	1.78	0.466	White crappie
78	16-140 (79%)	.003	.000-.005 (94%)	0.48	0.465	Yellow bullhead
48	0-555 (1051%)	.003	.000-.037 (1196%)	0.30	0.130	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	
28347	20588-36105	(27%)	1.367	1.066-1.667	(22%)	429.72	173.91	All species
283	77-489	(73%)	.027	.000-.058	(114%)	4.29	1.74	Black crappie
10852	5430-16275	(50%)	.473	.324-.623	(32%)	164.52	66.58	Bluegill
36	0-76	(113%)	.015	.000-.049	(226%)	0.54	0.22	Carp
1984	1467-2501	(26%)	.123	.090-.155	(26%)	30.07	12.17	Channel catfish
92	0-328	(257%)	.011	.000-.042	(278%)	1.39	0.56	Crappie spp.
673	66-1279	(90%)	.032	.001-.063	(98%)	10.20	4.13	Green sunfish
6920	5124-8717	(26%)	.329	.246-.413	(25%)	104.91	42.46	Largemouth bass
119	0-244	(105%)	.004	.000-.008	(117%)	1.80	0.73	Longear sunfish
3146	263-6029	(92%)	.145	.035-.255	(76%)	47.69	19.30	White crappie
1303	0-2927	(125%)	.059	.011-.107	(82%)	19.76	8.00	Yellow bullhead
2939	0-7037	(139%)	.148	.000-.866	(484%)	44.55	18.03	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	
3992	3177-4806	(20%)	.232	.135-.330	(42%)	60.51	0.141	All species
25	7-42	(72%)	.002	.000-.004	(93%)	0.37	0.087	Black crappie
595	188-1002	(68%)	.026	.015-.037	(42%)	9.02	0.055	Bluegill
43	0-115	(164%)	.040	.000-.138	(248%)	0.66	1.213	Carp
597	374-820	(37%)	.031	.020-.042	(35%)	9.05	0.301	Channel catfish
1	0-5	(257%)	.000	.000-.001	(257%)	0.02	0.015	Crappie spp.
30	3-58	(89%)	.001	.000-.003	(116%)	0.46	0.045	Green sunfish
2157	1596-2717	(26%)	.108	.078-.137	(27%)	32.69	0.312	Largemouth bass
7	0-14	(112%)	.000	.000-.000	(99%)	0.10	0.057	Longear sunfish
296	100-493	(66%)	.014	.004-.023	(69%)	4.49	0.094	White crappie
146	31-260	(79%)	.006	.003-.010	(59%)	2.21	0.112	Yellow bullhead
95	0-197	(107%)	.005	.000-.028	(503%)	1.44	0.032	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
8800	7005-10596 (20%)	.513	.297-.728 (42%)	53.99	0.310	All species
54	15-93 (72%)	.004	.000-.008 (93%)	0.33	0.192	Black crappie
1311	415-2208 (68%)	.057	.033-.081 (42%)	8.05	0.121	Bluegill
95	0-253 (164%)	.088	.000-.305 (248%)	0.59	2.675	Carp
1316	824-1807 (37%)	.068	.044-.092 (35%)	8.07	0.663	Channel catfish
3	0-11 (257%)	.000	.000-.001 (278%)	0.02	0.032	Crappie spp.
67	7-127 (89%)	.003	.000-.006 (116%)	0.41	0.100	Green sunfish
4755	3519-5990 (26%)	.237	.172-.303 (27%)	29.17	0.687	Largemouth bass
15	0-32 (112%)	.000	.000-.001 (99%)	0.09	0.125	Longear sunfish
653	220-1086 (66%)	.030	.009-.051 (69%)	4.01	0.208	White crappie
321	69-574 (79%)	.014	.006-.023 (59%)	1.97	0.246	Yellow bullhead
210	0-435 (107%)	.010	.000-.062 (503%)	1.29	0.071	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	5.0	4.2-5.8	(15%)	0.4	8.0	58
SHORE	1.2	1.0-1.3	(14%)	0.3	3.1	63
BOAT & SHORE	3.0	2.5-3.5	(17%)	0.3	8.0	121
MILES TRAVELED	11.9	10.3-13.5	(13%)	1	230	492
SUCCESS RATING (1-10)	4.2	3.9-4.4	(5%)	1	10	487

*23 samples were from split interviews of completed trips.
22.9% of all 529 interviews were completed trips.

ILLEGAL HARVEST: Clerk noted 4 out of 529 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	86	108	17	10						
SHORE INTERVIEWS	162	103	22	15	6					

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

144 (27.2%)	ANY	All species
38 (7.2%)	BLG	Bluegill
3 (0.6%)	CAP	Carp
98 (18.5%)	CAT	Unidentified catfish
45 (8.5%)	CCF	Channel catfish
29 (5.5%)	CRP	Crappie spp.
172 (32.5%)	LMB	Largemouth bass

