

ILLINOIS NATURAL HISTORY SURVEY
 CENTER FOR AQUATIC ECOLOGY
 1992 CREEL SURVEY RESULTS

1992 PITTSFIELD
 214 ACRES
 REGION 5, DISTRICT 10

STRATIFICATION SUMMARY:

Day creel only.
 Results cover 03/15/1992 through 11/15/1992
 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: 350/738 = 47.4%

NUMBER OF INTERVIEWS: 2574

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	6585	5686-7483 (14%)	31	27-35 (14%)	23%
	HOLIDAY	7263	6353-8172 (13%)	34	30-38 (13%)	45%
	TOTAL	13847	12569-15126 (9%)	65	59-71 (9%)	35%
SHORE	WEEKDAY	6972	6041-7904 (13%)	33	28-37 (13%)	19%
	HOLIDAY	9374	8383-10364 (11%)	44	39-48 (11%)	33%
	TOTAL	16346	14987-17706 (8%)	76	70-83 (8%)	27%
BOAT & SHORE	WEEKDAY	13557	12263-14851 (10%)	63	57-69 (10%)	21%
	HOLIDAY	16636	15291-17981 (8%)	78	71-84 (8%)	38%
	TOTAL	30194	28327-32060 (6%)	141	132-150 (6%)	31%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
31020	26424-35617	(15%)	.764	.608-.919 (20%)	358.35	145.02	All species
33	0-83	(152%)	.000	.000-.001 (187%)	0.38	0.15	Bluegill x
Green su							
150	32-267	(78%)	.003	.000-.005 (91%)	1.73	0.70	Black bullhead
2261	1304-3218	(42%)	.092	.000-.183 (100%)	26.12	10.57	Black crappie
7351	5303-9400	(28%)	.137	.083-.190 (39%)	84.93	34.37	Bluegill
407	242-572	(41%)	.010	.002-.017 (82%)	4.70	1.90	Carp
437	334-539	(23%)	.022	.014-.029 (34%)	5.04	2.04	Channel catfish
12	0-24	(108%)	.000	.000-.000 (100%)	0.14	0.05	Flathead
catfish							
1064	567-1560	(47%)	.016	.007-.025 (58%)	12.29	4.97	Green sunfish
275	182-368	(34%)	.007	.003-.011 (59%)	3.17	1.28	Largemouth bass
87	36-138	(59%)	.002	.000-.003 (74%)	1.00	0.41	Striped bass
hybrid							
1	0-4	(211%)	.000	.000-.000 (211%)	0.01	0.01	Smallmouth bass
48	22-74	(53%)	.001	.000-.001 (79%)	0.56	0.22	Walleye
29	0-92	(223%)	.000	.000-.001 (236%)	0.33	0.13	White bass
18751	15161-22340	(19%)	.472	.364-.579 (23%)	216.61	87.66	White crappie
115	6-224	(95%)	.003	.000-.006 (106%)	1.33	0.54	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
4879	4295-5464	(12%)	.134	.111-.157 (17%)	56.36	0.157	All species
4	0-9	(153%)	.000	.000-.000 (206%)	0.04	0.113	Bluegill x
Green su							
50	7-93	(87%)	.001	.000-.001 (87%)	0.58	0.336	Black bullhead
327	194-460	(41%)	.014	.000-.031 (124%)	3.78	0.145	Black crappie
627	450-804	(28%)	.012	.007-.017 (41%)	7.24	0.085	Bluegill
208	123-293	(41%)	.005	.000-.010 (93%)	2.40	0.511	Carp
532	383-681	(28%)	.027	.015-.038 (43%)	6.15	1.221	Channel catfish
69	0-151	(119%)	.001	.000-.002 (113%)	0.79	6.251	Flathead
catfish							
99	52-147	(48%)	.001	.001-.002 (62%)	1.15	0.094	Green sunfish
246	162-330	(34%)	.007	.002-.011 (62%)	2.84	0.899	Largemouth bass
209	91-327	(57%)	.005	.001-.008 (76%)	2.41	2.428	Striped bass
hybrid							
2	0-6	(211%)	.000	.000-.000 (211%)	0.02	1.871	Smallmouth bass
60	26-93	(56%)	.001	.000-.002 (75%)	0.69	1.247	Walleye
5	0-14	(154%)	.000	.000-.000 (188%)	0.06	0.194	White bass
2407	1986-2828	(17%)	.060	.048-.072 (20%)	27.81	0.128	White crappie
33	7-60	(79%)	.001	.000-.002 (111%)	0.39	0.290	Yellow bullhead

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

LB HARVESTED	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
10757	9468-12045	(12%)	.295	.244-.346 (17%)	50.29	0.347	All species
8	0-21	(153%)	.000	.000-.000 (206%)	0.04	0.250	Bluegill x
Green su							
110	15-206	(87%)	.002	.000-.003 (87%)	0.52	0.740	Black bullhead
721	427-1014	(41%)	.030	.000-.068 (124%)	3.37	0.319	Black crappie
1382	993-1772	(28%)	.026	.015-.037 (41%)	6.46	0.188	Bluegill
459	271-647	(41%)	.011	.001-.022 (93%)	2.14	1.127	Carp
1173	845-1502	(28%)	.059	.034-.084 (43%)	5.49	2.691	Channel catfish
152	0-333	(119%)	.002	.000-.004 (113%)	0.71	13.782	Flathead
catfish							
219	115-324	(48%)	.003	.001-.005 (62%)	1.03	0.206	Green sunfish
543	358-728	(34%)	.014	.005-.023 (62%)	2.54	1.981	Largemouth bass
460	200-721	(57%)	.011	.003-.019 (76%)	2.15	5.353	Striped bass
hybrid							
4	0-13	(211%)	.000	.000-.000 (212%)	0.02	4.125	Smallmouth bass
132	58-205	(56%)	.002	.001-.004 (75%)	0.62	2.748	Walleye
12	0-30	(154%)	.000	.000-.000 (188%)	0.06	0.427	White bass
5307	4379-6236	(17%)	.132	.105-.158 (20%)	24.81	0.283	White crappie
74	16-131	(79%)	.002	.000-.005 (111%)	0.34	0.640	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
67984	60991-74978	(10%)	1.823	1.589-2.057 (13%)	785.36	317.83	All species
38	0-88	(135%)	.002	.000-.005 (178%)	0.43	0.18	Bluegill x
Green su							
171	53-290	(69%)	.003	.001-.006 (73%)	1.98	0.80	Black bullhead
2906	1915-3897	(34%)	.113	.000-.238 (110%)	33.57	13.59	Black crappie
12523	9776-15270	(22%)	.281	.179-.384 (37%)	144.67	58.55	Bluegill
444	276-612	(38%)	.010	.002-.018 (77%)	5.13	2.08	Carp
553	430-675	(22%)	.032	.018-.046 (43%)	6.38	2.58	Channel catfish
18	3-33	(85%)	.000	.000-.000 (87%)	0.20	0.08	Flathead
catfish							
1452	930-1973	(36%)	.030	.015-.046 (50%)	16.77	6.79	Green sunfish
4213	3473-4952	(18%)	.171	.124-.218 (27%)	48.66	19.69	Largemouth bass
216	89-343	(59%)	.003	.002-.005 (52%)	2.49	1.01	Striped bass
hybrid							
1	0-4	(211%)	.000	.000-.000 (211%)	0.01	0.01	Smallmouth bass
157	104-209	(34%)	.003	.001-.004 (41%)	1.81	0.73	Walleye
83	15-152	(82%)	.002	.000-.003 (84%)	0.96	0.39	White bass
45043	39290-50795	(13%)	1.166	1.011-1.322 (13%)	520.34	210.58	White crappie
167	54-281	(68%)	.005	.001-.008 (70%)	1.93	0.78	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
8761	7963-9560	(9%)	.252	.224-.280 (11%)	101.21	0.129	All species
4	0-10	(131%)	.000	.000-.001 (184%)	0.05	0.121	Bluegill x
Green su							
56	12-99	(78%)	.001	.000-.002 (70%)	0.64	0.326	Black bullhead
368	237-499	(36%)	.015	.000-.034 (120%)	4.25	0.127	Black crappie
887	679-1094	(23%)	.019	.012-.027 (38%)	10.24	0.071	Bluegill
221	136-307	(39%)	.005	.001-.010 (89%)	2.56	0.499	Carp
566	413-720	(27%)	.029	.017-.040 (40%)	6.54	1.026	Channel catfish
71	0-153	(116%)	.001	.000-.002 (108%)	0.82	4.176	Flathead
catfish							
128	79-177	(38%)	.003	.001-.004 (52%)	1.48	0.088	Green sunfish
1701	1375-2027	(19%)	.060	.046-.073 (22%)	19.65	0.404	Largemouth bass
447	190-704	(57%)	.007	.003-.011 (57%)	5.17	2.080	Striped bass
hybrid							
2	0-6	(211%)	.000	.000-.000 (211%)	0.02	1.871	Smallmouth bass
76	42-110	(44%)	.001	.000-.002 (61%)	0.88	0.487	Walleye
30	11-49	(62%)	.001	.000-.001 (93%)	0.35	0.366	White bass
4161	3618-4703	(13%)	.109	.094-.123 (13%)	48.06	0.092	White crappie
43	17-69	(61%)	.001	.000-.002 (90%)	0.49	0.256	Yellow bullhead

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

LB CAUGHT	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
19316	17555-21077	(9%)	.556	.495-.618 (11%)	90.30	0.284	All species
10	0-23	(131%)	.001	.000-.002 (184%)	0.05	0.266	Bluegill x
Green su							
123	27-219	(78%)	.002	.001-.004 (70%)	0.58	0.720	Black bullhead
811	522-1101	(36%)	.034	.000-.075 (120%)	3.79	0.279	Black crappie
1955	1498-2412	(23%)	.043	.027-.059 (38%)	9.14	0.156	Bluegill
488	299-678	(39%)	.012	.001-.023 (89%)	2.28	1.100	Carp
1248	910-1587	(27%)	.063	.038-.089 (40%)	5.84	2.262	Channel catfish
157	0-338	(116%)	.002	.000-.004 (108%)	0.73	9.206	Flathead
catfish							
283	174-391	(38%)	.006	.003-.009 (52%)	1.32	0.195	Green sunfish
3750	3031-4469	(19%)	.132	.103-.161 (22%)	17.53	0.890	Largemouth bass
986	420-1553	(57%)	.015	.007-.024 (57%)	4.61	4.586	Striped bass
hybrid							
4	0-13	(211%)	.000	.000-.000 (212%)	0.02	4.125	Smallmouth bass
167	94-241	(44%)	.003	.001-.004 (61%)	0.78	1.074	Walleye
67	25-109	(62%)	.001	.000-.003 (93%)	0.31	0.807	White bass
9172	7977-10368	(13%)	.239	.207-.272 (13%)	42.88	0.204	White crappie
94	37-152	(61%)	.003	.000-.005 (90%)	0.44	0.564	Yellow bullhead

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 Day periods (morning, midday, and afternoon) stratified.

SAMPLING RATIO: 145/279 = 52.0%

NUMBER OF INTERVIEWS: 1408

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	3898	3239-4558 (17%)	18	15-21 (17%)	26%
	HOLIDAY	4063	3268-4858 (20%)	19	15-23 (20%)	48%
	TOTAL	7961	6958-8964 (13%)	37	33-42 (13%)	37%
SHORE	WEEKDAY	3181	2569-3793 (19%)	15	12-18 (19%)	23%
	HOLIDAY	4602	3851-5354 (16%)	22	18-25 (16%)	35%
	TOTAL	7783	6853-8713 (12%)	36	32-41 (12%)	30%
BOAT & SHORE	WEEKDAY	7079	6196-7963 (12%)	33	29-37 (12%)	25%
	HOLIDAY	8665	7621-9710 (12%)	41	36-45 (12%)	41%
	TOTAL	15744	14376-17112 (9%)	74	67-80 (9%)	34%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
24096	19594-28597	(19%)	1.405	1.023-1.788 (27%)	278.36	112.65	All species
19	0-61	(223%)	.000	.000-.001 (223%)	0.22	0.09	Bluegill x
Green su							
89	0-189	(114%)	.003	.000-.006 (129%)	1.02	0.41	Black bullhead
2042	1094-2990	(46%)	.215	.000-.489 (127%)	23.59	9.55	Black crappie
3708	2113-5303	(43%)	.101	.054-.149 (47%)	42.84	17.34	Bluegill
208	69-347	(67%)	.009	.001-.016 (89%)	2.40	0.97	Carp
118	74-162	(38%)	.009	.003-.015 (65%)	1.36	0.55	Channel catfish
**** NOT RECORDED ****							
Flathead							
catfish							
535	217-852	(59%)	.012	.004-.019 (63%)	6.18	2.50	Green sunfish
163	98-227	(39%)	.011	.001-.022 (95%)	1.88	0.76	Largemouth bass
69	19-120	(73%)	.003	.000-.006 (92%)	0.80	0.32	Striped bass
hybrid							
38	15-62	(62%)	.002	.000-.003 (101%)	0.44	0.18	Walleye
29	0-92	(223%)	.001	.000-.004 (236%)	0.33	0.13	White bass
17056	13510-20602	(21%)	1.039	.767-1.311 (26%)	197.03	79.74	White crappie
23	1-45	(98%)	.000	.000-.001 (102%)	0.26	0.11	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
3464	2936-3992	(15%)	.209	.156-.261 (25%)	40.02	0.144	All species
2	0-6	(223%)	.000	.000-.000 (226%)	0.02	0.091	Bluegill x
Green su							
33	0-75	(131%)	.001	.000-.002 (114%)	0.38	0.370	Black bullhead
292	161-423	(45%)	.032	.000-.077 (140%)	3.38	0.143	Black crappie
302	172-433	(43%)	.008	.004-.012 (46%)	3.49	0.081	Bluegill
109	38-181	(66%)	.005	.000-.010 (99%)	1.26	0.528	Carp
145	68-221	(53%)	.009	.003-.015 (67%)	1.67	1.226	Channel catfish
**** NOT RECORDED ****							
Flathead							
catfish							
49	23-75	(54%)	.001	.000-.002 (59%)	0.57	0.092	Green sunfish
145	88-203	(40%)	.010	.000-.020 (103%)	1.68	0.898	Largemouth bass
153	44-263	(72%)	.006	.001-.012 (92%)	1.77	2.223	Striped bass
hybrid							
46	14-78	(69%)	.002	.000-.003 (98%)	0.53	1.211	Walleye
5	0-14	(154%)	.000	.000-.000 (188%)	0.06	0.194	White bass
2175	1761-2590	(19%)	.134	.104-.165 (23%)	25.13	0.128	White crappie
7	0-15	(129%)	.000	.000-.000 (107%)	0.08	0.299	Yellow bullhead

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

LB HARVESTED	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
7637	6472-8801	(15%)	.460	.345-.575 (25%)	35.70	0.317	All species
4	0-12	(226%)	.000	.000-.000 (223%)	0.02	0.200	Bluegill x
Green su							
72	0-166	(131%)	.002	.000-.005 (114%)	0.34	0.815	Black bullhead
644	356-933	(45%)	.070	.000-.169 (140%)	3.01	0.316	Black crappie
666	379-954	(43%)	.018	.010-.026 (46%)	3.11	0.180	Bluegill
241	83-399	(66%)	.011	.000-.021 (99%)	1.13	1.164	Carp
319	151-487	(53%)	.020	.007-.033 (67%)	1.49	2.702	Channel catfish
**** NOT RECORDED ****							
Flathead							
catfish							
108	50-166	(54%)	.002	.001-.004 (59%)	0.51	0.202	Green sunfish
321	194-448	(40%)	.022	.000-.045 (103%)	1.50	1.979	Largemouth bass
338	96-580	(72%)	.014	.001-.027 (92%)	1.58	4.901	Striped bass
hybrid							
101	31-172	(69%)	.004	.000-.008 (98%)	0.47	2.670	Walleye
12	0-30	(154%)	.000	.000-.001 (188%)	0.06	0.427	White bass
4796	3883-5709	(19%)	.296	.228-.364 (23%)	22.42	0.281	White crappie
14	0-33	(129%)	.000	.000-.000 (107%)	0.07	0.658	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
50845	44419-57271	(13%)	2.905	2.379-3.432 (18%)	587.37	237.70	All species
19	0-61	(223%)	.000	.000-.001 (223%)	0.22	0.09	Bluegill x
Green su							
91	0-191	(111%)	.003	.000-.006 (125%)	1.05	0.42	Black bullhead
2601	1589-3614	(39%)	.259	.000-.584 (126%)	30.05	12.16	Black crappie
5620	3856-7385	(31%)	.180	.123-.238 (32%)	64.93	26.27	Bluegill
237	98-376	(59%)	.010	.002-.018 (77%)	2.73	1.11	Carp
137	88-187	(36%)	.011	.004-.017 (60%)	1.59	0.64	Channel catfish
2	0-7	(218%)	.000	.000-.000 (218%)	0.02	0.01	Flathead
catfish							
681	358-1004	(47%)	.018	.008-.027 (53%)	7.86	3.18	Green sunfish
2181	1680-2682	(23%)	.128	.098-.159 (24%)	25.20	10.20	Largemouth bass
185	59-310	(68%)	.005	.002-.009 (67%)	2.13	0.86	Striped bass
hybrid							
122	77-168	(37%)	.005	.003-.007 (47%)	1.41	0.57	Walleye
60	0-125	(109%)	.003	.000-.006 (115%)	0.69	0.28	White bass
38869	33315-44422	(14%)	2.282	1.934-2.630 (15%)	449.02	181.71	White crappie
40	5-75	(87%)	.001	.000-.001 (98%)	0.46	0.19	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
6030	5323-6737	(12%)	.353	.291-.416 (18%)	69.66	0.119	All species
2	0-6	(223%)	.000	.000-.000 (226%)	0.02	0.091	Bluegill x
Green su							
33	0-76	(130%)	.001	.000-.002 (112%)	0.38	0.365	Black bullhead
326	192-460	(41%)	.035	.000-.083 (139%)	3.77	0.125	Black crappie
401	261-541	(35%)	.012	.008-.016 (33%)	4.63	0.071	Bluegill
121	49-193	(59%)	.005	.001-.010 (89%)	1.40	0.514	Carp
155	79-230	(49%)	.010	.004-.016 (63%)	1.79	1.129	Channel catfish
1	0-2	(218%)	.000	.000-.000 (220%)	0.01	0.275	Flathead
catfish							
57	30-84	(48%)	.001	.001-.002 (51%)	0.65	0.083	Green sunfish
865	639-1091	(26%)	.054	.038-.069 (30%)	9.99	0.397	Largemouth bass
381	129-633	(66%)	.011	.004-.019 (67%)	4.40	2.069	Striped bass
hybrid							
59	27-90	(54%)	.002	.001-.004 (76%)	0.68	0.480	Walleye
17	4-29	(74%)	.001	.000-.002 (146%)	0.19	0.282	White bass
3604	3079-4130	(15%)	.220	.185-.256 (16%)	41.64	0.093	White crappie
10	0-20	(96%)	.000	.000-.000 (96%)	0.12	0.261	Yellow bullhead

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

LB CAUGHT	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
13294	11735-14853	(12%)	.779	.641-.916 (18%)	62.15	0.261	All species
4	0-12	(226%)	.000	.000-.000 (223%)	0.02	0.200	Bluegill x
Green su							
73	0-167	(130%)	.002	.000-.005 (112%)	0.34	0.806	Black bullhead
719	423-1014	(41%)	.077	.000-.183 (139%)	3.36	0.276	Black crappie
885	576-1193	(35%)	.027	.018-.036 (33%)	4.14	0.157	Bluegill
268	109-426	(59%)	.012	.001-.023 (89%)	1.25	1.134	Carp
341	175-507	(49%)	.022	.008-.035 (63%)	1.59	2.490	Channel catfish
1	0-4	(220%)	.000	.000-.000 (220%)	0.01	0.607	Flathead
catfish							
125	65-184	(48%)	.003	.002-.005 (51%)	0.58	0.184	Green sunfish
1907	1408-2406	(26%)	.118	.083-.153 (30%)	8.91	0.874	Largemouth bass
839	284-1395	(66%)	.025	.008-.042 (67%)	3.92	4.561	Striped bass
hybrid							
129	59-199	(54%)	.005	.001-.009 (76%)	0.60	1.057	Walleye
37	10-64	(74%)	.002	.000-.004 (146%)	0.17	0.622	White bass
7946	6787-9105	(15%)	.486	.407-.565 (16%)	37.15	0.204	White crappie
22	1-44	(96%)	.000	.000-.001 (96%)	0.10	0.575	Yellow bullhead