

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

1992 JONES  
 100 ACRES  
 REGION 5, DISTRICT 17

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: 339/738 = 45.9%

NUMBER OF INTERVIEWS: 1363

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	6303	5770-6835 ( 8%)	63	58-69 ( 8%)	19%
	HOLIDAY	3875	3597-4154 ( 7%)	39	36-42 ( 7%)	37%
	TOTAL	10178	9577-10779 ( 6%)	102	96-108 ( 6%)	26%
SHORE	WEEKDAY	4835	4220-5451 ( 13%)	49	42-55 ( 13%)	14%
	HOLIDAY	3133	2802-3464 ( 11%)	31	28-35 ( 11%)	29%
	TOTAL	7968	7269-8667 ( 9%)	80	73-87 ( 9%)	20%
BOAT & SHORE	WEEKDAY	11138	10324-11952 ( 7%)	112	104-120 ( 7%)	16%
	HOLIDAY	7008	6576-7441 ( 6%)	70	66-75 ( 6%)	33%
	TOTAL	18146	17225-19068 ( 5%)	182	173-191 ( 5%)	23%

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

# HARVESTED	95% CI	#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
20389	18806-21972 ( 8%)	.944	.869-1.020 ( 8%)	505.84	204.71	All species
4885	4000-5770 ( 18%)	.260	.209-.311 ( 20%)	121.19	49.04	Black crappie
7800	6669-8931 ( 14%)	.339	.284-.394 ( 16%)	193.51	78.31	Bluegill
5574	4924-6224 ( 12%)	.255	.223-.287 ( 12%)	138.28	55.96	Channel catfish
64	20-108 ( 69%)	.003	.001-.005 ( 73%)	1.59	0.64	Green sunfish
658	432-884 ( 34%)	.035	.021-.048 ( 39%)	16.32	6.60	Largemouth bass
1409	1003-1815 ( 29%)	.052	.036-.069 ( 32%)	34.96	14.15	Redear sunfish

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

KG HARVESTED	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
4633	4253-5013 ( 8%)	.219	.202-.236 ( 8%)	114.95	0.227	All species
1385	1137-1633 ( 18%)	.074	.060-.089 ( 20%)	34.36	0.284	Black crappie
721	603-838 ( 16%)	.030	.025-.035 ( 16%)	17.88	0.092	Bluegill
1886	1621-2152 ( 14%)	.083	.073-.094 ( 12%)	46.80	0.338	Channel catfish
6	2-10 ( 66%)	.000	.000-.000 ( 73%)	0.15	0.093	Green sunfish
484	322-646 ( 33%)	.026	.016-.035 ( 38%)	12.01	0.737	Largemouth bass
152	104-199 ( 31%)	.006	.004-.007 ( 32%)	3.76	0.108	Redear sunfish

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

LB HARVESTED	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
10215	9377-11053 ( 8%)	.483	.445-.521 ( 8%)	102.56	0.501	All species
3053	2507-3600 ( 18%)	.164	.131-.196 ( 20%)	30.66	0.625	Black crappie
1589	1329-1848 ( 16%)	.066	.056-.077 ( 16%)	15.95	0.204	Bluegill
4158	3573-4744 ( 14%)	.184	.161-.206 ( 12%)	41.75	0.746	Channel catfish
13	4-22 ( 66%)	.001	.000-.001 ( 73%)	0.13	0.204	Green sunfish
1067	710-1424 ( 33%)	.056	.035-.078 ( 38%)	10.72	1.625	Largemouth bass
334	229-439 ( 31%)	.012	.008-.016 ( 32%)	3.36	0.237	Redear sunfish

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
32982	30842-35121 ( 6%)	1.560	1.461-1.660 ( 6%)	818.25	331.14	All species
5000	4094-5906 ( 18%)	.267	.213-.320 ( 20%)	124.04	50.20	Black crappie
8853	7609-10098 ( 14%)	.381	.320-.442 ( 16%)	219.65	88.89	Bluegill
5679	5025-6333 ( 12%)	.262	.230-.295 ( 12%)	140.89	57.02	Channel catfish
79	30-127 ( 62%)	.004	.001-.006 ( 64%)	1.95	0.79	Green sunfish
11962	10577-13346 ( 12%)	.594	.513-.676 ( 14%)	296.76	120.10	Largemouth bass
1409	1003-1815 ( 29%)	.052	.036-.069 ( 32%)	34.96	14.15	Redear sunfish

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

KG CAUGHT	95% CI	KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
10342	9540-11144 ( 8%)	.501	.460-.542 ( 8%)	256.58	0.314	All species
1405	1155-1655 ( 18%)	.075	.060-.090 ( 20%)	34.86	0.281	Black crappie
811	664-957 ( 18%)	.034	.028-.040 ( 18%)	20.11	0.092	Bluegill
1900	1633-2168 ( 14%)	.084	.074-.094 ( 12%)	47.15	0.335	Channel catfish
7	3-11 ( 58%)	.000	.000-.001 ( 62%)	0.17	0.090	Green sunfish
6067	5361-6774 ( 12%)	.302	.260-.344 ( 14%)	150.53	0.507	Largemouth bass
152	104-199 ( 31%)	.006	.004-.007 ( 32%)	3.76	0.108	Redear sunfish

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

LB CAUGHT	95% CI	LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
22800	21032-24569 ( 8%)	1.104	1.013-1.195 ( 8%)	228.92	0.691	All species
3098	2546-3650 ( 18%)	.166	.133-.200 ( 20%)	31.10	0.620	Black crappie
1787	1464-2110 ( 18%)	.074	.061-.088 ( 18%)	17.94	0.202	Bluegill
4190	3600-4779 ( 14%)	.185	.162-.208 ( 12%)	42.07	0.738	Channel catfish
15	7-24 ( 58%)	.001	.000-.001 ( 62%)	0.16	0.198	Green sunfish
13376	11819-14934 ( 12%)	.666	.573-.758 ( 14%)	134.30	1.118	Largemouth bass
334	229-439 ( 31%)	.012	.008-.016 ( 32%)	3.36	0.237	Redear sunfish

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SAMPLING RATIO: 138/279 = 49.5%

NUMBER OF INTERVIEWS: 622

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	2518	2156-2880 ( 14%)	25	22-29 ( 14%)	20%
	HOLIDAY	1777	1570-1983 ( 12%)	18	16-20 ( 12%)	37%
	TOTAL	4295	3882-4708 ( 10%)	43	39-47 ( 10%)	27%
SHORE	WEEKDAY	2021	1625-2417 ( 20%)	20	16-24 ( 20%)	15%
	HOLIDAY	1457	1191-1723 ( 18%)	15	12-17 ( 18%)	30%
	TOTAL	3478	3026-3930 ( 13%)	35	30-39 ( 13%)	21%
BOAT & SHORE	WEEKDAY	4539	4018-5060 ( 11%)	46	40-51 ( 11%)	17%
	HOLIDAY	3234	2912-3555 ( 10%)	32	29-36 ( 10%)	34%
	TOTAL	7773	7160-8385 ( 8%)	78	72-84 ( 8%)	24%

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

# HARVESTED	95% CI		#/HOUR	95% CI	#/HA	#/ACRE	SPECIES
9278	8093-10464	( 13%)	1.010	.883-1.136 ( 13%)	230.18	93.15	All species
2509	1805-3214	( 28%)	.344	.234-.454 ( 32%)	62.26	25.19	Black crappie
4052	3243-4860	( 20%)	.382	.303-.460 ( 21%)	100.52	40.68	Bluegill
1051	821-1281	( 22%)	.129	.097-.161 ( 25%)	26.07	10.55	Channel catfish
47	7-88	( 86%)	.006	.001-.011 ( 89%)	1.18	0.48	Green sunfish
408	199-616	( 51%)	.041	.020-.062 ( 52%)	10.12	4.09	Largemouth bass
1211	804-1618	( 34%)	.108	.068-.148 ( 37%)	30.05	12.16	Redear sunfish

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

KG HARVESTED	95% CI		KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES
1758	1545-1970	( 12%)	.207	.178-.237 ( 14%)	43.61	0.189	All species
653	473-833	( 28%)	.092	.061-.122 ( 33%)	16.19	0.260	Black crappie
329	264-394	( 20%)	.031	.024-.037 ( 20%)	8.16	0.081	Bluegill
349	271-426	( 22%)	.043	.032-.054 ( 25%)	8.65	0.332	Channel catfish
4	1-8	( 80%)	.001	.000-.001 ( 89%)	0.11	0.092	Green sunfish
291	144-438	( 50%)	.030	.014-.045 ( 52%)	7.23	0.716	Largemouth bass
131	85-178	( 35%)	.012	.007-.016 ( 38%)	3.26	0.108	Redear sunfish

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

LB HARVESTED	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES
3875	3406-4344	( 12%)	.457	.391-.522 ( 14%)	38.90	0.418	All species
1439	1042-1836	( 28%)	.202	.135-.269 ( 33%)	14.45	0.574	Black crappie
725	582-868	( 20%)	.068	.054-.081 ( 20%)	7.28	0.179	Bluegill
769	598-940	( 22%)	.094	.070-.118 ( 25%)	7.72	0.732	Channel catfish
10	2-17	( 80%)	.001	.000-.002 ( 89%)	0.10	0.203	Green sunfish
642	318-966	( 50%)	.066	.032-.100 ( 52%)	6.45	1.578	Largemouth bass
289	187-392	( 35%)	.026	.016-.035 ( 38%)	2.91	0.239	Redear sunfish

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	
15174	13599-16749	( 10%)	1.634	1.484-1.784	( 9%)	376.46	152.35	All species
2601	1869-3332	( 28%)	.359	.241-.477	( 33%)	64.52	26.11	Black crappie
4498	3678-5318	( 18%)	.422	.341-.504	( 19%)	111.60	45.16	Bluegill
1051	821-1281	( 22%)	.129	.097-.161	( 25%)	26.07	10.55	Channel catfish
56	13-99	( 78%)	.007	.001-.012	( 81%)	1.38	0.56	Green sunfish
5758	4756-6759	( 17%)	.609	.496-.722	( 19%)	142.84	57.81	Largemouth bass
1211	804-1618	( 34%)	.108	.068-.148	( 37%)	30.05	12.16	Redear sunfish

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

KG CAUGHT	95% CI		KG/HOUR	95% CI	KG/HA	AVE KG	SPECIES	
4368	3832-4903	( 12%)	.484	.426-.541	( 12%)	108.36	0.288	All species
669	486-853	( 27%)	.094	.063-.125	( 33%)	16.60	0.257	Black crappie
352	287-417	( 18%)	.033	.027-.039	( 19%)	8.74	0.078	Bluegill
349	271-426	( 22%)	.043	.032-.054	( 25%)	8.65	0.332	Channel catfish
5	1-9	( 74%)	.001	.000-.001	( 81%)	0.12	0.090	Green sunfish
2861	2359-3363	( 18%)	.301	.245-.358	( 19%)	70.98	0.497	Largemouth bass
131	85-178	( 35%)	.012	.007-.016	( 38%)	3.26	0.108	Redear sunfish

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

LB CAUGHT	95% CI		LB/HOUR	95% CI	LB/ACRE	AVE LB	SPECIES	
9629	8448-10810	( 12%)	1.066	.940-1.192	( 12%)	96.68	0.635	All species
1475	1071-1880	( 27%)	.208	.139-.277	( 33%)	14.81	0.567	Black crappie
776	633-920	( 18%)	.073	.059-.086	( 19%)	7.80	0.173	Bluegill
769	598-940	( 22%)	.094	.070-.118	( 25%)	7.72	0.732	Channel catfish
11	3-19	( 74%)	.001	.000-.002	( 81%)	0.11	0.199	Green sunfish
6308	5201-7415	( 18%)	.665	.540-.790	( 19%)	63.33	1.096	Largemouth bass
289	187-392	( 35%)	.026	.016-.035	( 38%)	2.91	0.239	Redear sunfish