

## Open-water Creel Survey Report for Au Train Lake, Alger County, 2015

<b>Waterbody</b>	Au Train Lake
<b>Year</b>	2015
<b>County</b>	Alger
<b>Sites</b>	Au Train Lake
<b>Survey period</b>	May 1 to September 30
<b>Survey design</b>	Roving (instantaneous)-access
<b>Count methods/modes</b>	Roving (instantaneous)/boat
<b>Clerk time</b>	1/2 time
<b>Survey purpose</b>	Characterize general effort and catch aspects of the boat fishery

### Notes

Survey followed a roving (instantaneous)-access design. All funding was provided through Fisheries Division. one clerk worked 1/2 time to collect angler survey data. Two weekend days and 3 week days were randomly selected for sampling during each week of the survey season. No holidays were sampled. The clerk followed a randomized count and interview schedule. One of two shifts was selected each sample day. The entire water body was sampled each day. Roving (instantaneous) counts of boat anglers were made twice per day. Survey period for both counts and interviews was May 1 to September 30. Months were estimated separately. Estimates are available for boat angling only

Table 1.–Work shifts used to estimate catch and effort at AuTrainLake, May 1 to September 30, 2015.

<b>Year</b>	<b>Month</b>	<b>Daylight hours</b>
2015	5	16
2015	6	16
2015	7	16
2015	8	16
2015	9	14

Table 2.—Estimated harvest, catch per hour, and fishing pressure for the Au Train Lake boat fishery. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	Season
<b>HARVEST</b>							
Walleye	0.0304	62	144	71	58	62	398
	0.0177	94	121	79	88	90	214
Northern pike	0.0107	41	16	13	0	71	141
	0.0079	52	29	26	0	75	99
Yellow Perch	0.1246	0	50	916	639	24	1,629
	0.0855	0	67	876	591	49	1,060
<b>TOTAL HARVEST</b>	0.1658	103	209	1,000	697	158	2,168
	0.0906	107	142	879	598	127	1,086
<b>RELEASED</b>							
Walleye	0.0279	66	148	107	13	30	365
	0.0201	112	145	163	26	43	250
Northern pike	0.1257	77	766	369	241	191	1,643
	0.0539	135	472	247	211	143	605
Largemouth bass	0.0032	0	0	27	15	0	42
	0.0047	0	0	53	30	0	61
Smallmouth bass	0.0257	0	56	37	109	133	335
	0.0196	0	77	75	123	183	245
Yellow Perch	0.4924	0	340	2,841	2,924	332	6,437
	0.2644	0	336	2,533	1,836	240	3,156
Rock bass	0.0038	0	0	0	50	0	50
	0.0050	0	0	0	65	0	65
Sucker spp.	0.0158	0	183	0	23	0	206
	0.0161	0	200	0	45	0	205
Bullhead spp.	0.0028	0	37	0	0	0	37
	0.0043	0	55	0	0	0	55
<b>TOTAL RELEASED</b>	0.6972	143	1,530	3,382	3,373	687	9,115
	0.2912	175	637	2,552	1,854	337	3,241
<b>TOTAL CATCH</b>	0.8631	246	1,740	4,382	4,071	845	11,283
	0.3227	205	652	2,700	1,948	360	3,418
<b>ANGLER HOURS</b>		653	3,063	4,271	3,495	1,591	13,073
		605	1,284	1,848	1,549	613	2,865
<b>ANGLER TRIPS</b>		311	1,154	1,897	1,654	1,089	6,105
		302	577	950	1,108	685	1,739