

Open Water Creel Survey Report for Dollarville Flooding, Luce County, 2017

Waterbody	Dollarville Flooding
Year	2017
County	Luce
Sites	Dollarville Flooding, Dollarville spillway
Survey period	May 1 to November 30
Survey design	Roving (instantaneous)-access
Count methods/modes	Roving (instantaneous)/shore and trailer
Clerk time	full time
Survey purpose	Characterize general effort and catch aspects of the fishery

Notes

This survey followed a roving (instantaneous)-access design. Funding was provided by the Federal Aid to Sport Fish Restoration Project F-81, Study 230499. One clerk worked full time to collect angling 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 Dollarville Flooding survey was divided into 2 sites: Dollarville Flooding and Dollarville spillway. Both sites were sampled each day. Starting location within a section and direction of travel were randomized for both counting and interviewing. Roving (instantaneous) counts of shore and trailer anglers were made twice per day. Survey period for both counts and interviews was May 1 to November 30. Months are estimated separately. There was no fishing activity observed by the clerk in November and only 1 trailer was counted. “**NAN**” in a table means there was not enough information to make a calculation.

Table1.–Daylight hours used to estimate catch and effort each month of the Dollarville Flooding creel survey from May 1 to November 30, 2017.

Year	Month	Daylight hours
2017	5	15
2017	6	16
2017	7	16
2017	8	15
2017	9	14
2017	10	13
2017	11	11

Table 2.—Estimated harvest, catch per hour, and fishing pressure for Dollarville Flooding boat angling. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Northern Pike	0.0119	–	29	18	–	32	–	79
	0.0119	–	41	21	–	63	–	78
Yellow Perch	0.1227	–	49	169	331	32	226	807
	0.0948	–	62	203	450	65	353	613
Bluegill	0.0018	–	–	12	–	–	–	12
	0.0037	–	–	25	–	–	–	25
Pumpkinseed	0.0065	–	17	–	26	–	–	43
	0.0093	–	33	–	51	–	–	61
TOTAL HARVEST	0.1431	–	95	199	357	63	226	940
	0.0966	–	81	205	452	90	353	621
RELEASED								
Northern Pike	0.2569	335	482	351	99	386	34	1,688
	0.1248	507	323	211	94	450	38	786
Largemouth Bass	0.0048	–	–	–	7	25	–	32
	0.0059	–	–	–	13	36	–	39
Smallmouth Bass	0.0025	–	–	6	–	11	–	17
	0.0038	–	–	12	–	22	–	25
Yellow Perch	0.2810	–	7	482	769	246	343	1,847
	0.2216	–	15	465	1,231	224	522	1,434
Bluegill	0.0112	–	–	48	–	25	–	73
	0.0134	–	–	79	–	37	–	88
Pumpkinseed	0.0041	–	17	–	–	11	–	27
	0.0060	–	33	–	–	21	–	40
Muskellunge	0.0525	85	39	107	46	51	17	345
	0.0290	132	41	97	53	47	21	185
Other1 (various sp)	0.0016	–	–	–	–	11	–	11
	0.0032	–	–	–	–	21	–	21
TOTAL RELEASED	0.6147	421	545	994	921	764	395	4,040
	0.2650	524	327	526	1,236	509	524	1,649
TOTAL CATCH	0.7578	421	640	1,193	1,278	827	621	4,981
	0.2880	524	337	565	1,316	517	632	1,762
ANGLER HOURS		695	1,528	1,381	859	1,412	697	6,572
		266	495	342	336	461	270	912
ANGLER TRIPS		200	326	284	205	312	162	1,488
		92	113	84	89	107	74	230

Table 3.—Estimated harvest, catch per hour, and fishing pressure for Dollarville Flooding pier/dock angling. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Yellow Perch	0.0015	2	–	–	–	–	–	2
	0.0031	4	–	–	–	–	–	4
Pumpkinseed	0.0015	2	–	–	–	–	–	2
	0.0031	4	–	–	–	–	–	4
Muskellunge	0.0026	–	–	3	–	–	–	3
	0.0052	–	–	7	–	–	–	7
TOTAL HARVEST	0.0056	4	–	3	–	–	–	7
	0.0069	5	–	7	–	–	–	9
RELEASED								
Northern Pike	0.0849	53	14	10	10	17	3	108
	0.0855	71	21	16	21	NAN	7	105
Largemouth Bass	0.0026	–	–	3	–	–	–	3
	0.0053	–	–	7	–	–	–	7
Smallmouth Bass	0.0077	10	–	–	–	–	–	10
	0.0158	20	–	–	–	–	–	20
Yellow Perch	0.0982	31	31	52	10	–	–	125
	0.0670	39	36	55	20	–	–	79
Bluegill	0.1984	–	9	229	14	–	–	252
	0.1819	–	19	221	21	–	–	222
Pumpkinseed	0.0780	–	18	3	78	–	–	99
	0.1276	–	19	7	159	–	–	160
Rock Bass	0.0904	10	9	82	14	–	–	115
	0.0829	19	18	95	23	–	–	101
Other1 (various sp)	0.0301	–	–	20	18	–	–	38
	0.0352	–	–	24	37	–	–	44
TOTAL RELEASED	0.5903	104	81	399	145	17	3	749
	0.2939	85	53	248	168	NAN	7	324
TOTAL CATCH	0.5958	108	81	402	145	17	3	756
	0.2947	86	53	248	168	NAN	7	324
ANGLER HOURS		211	327	405	219	79	28	1,269
		126	163	191	107	76	43	313
ANGLER TRIPS		148	190	251	133	46	23	792
		94	98	122	67	45	33	203

Table 4.—Estimated harvest, catch per hour, and fishing pressure for Dollarville Flooding shore angling. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Pumpkinseed	0.2668	–	122	–	–	–	–	122
	0.5658	–	244	–	–	–	–	244
TOTAL HARVEST	0.2668	–	122	–	–	–	–	122
	0.5658	–	244	–	–	–	–	244
RELEASED								
Pumpkinseed	1.0081	–	460	–	–	–	–	460
	1.9677	–	838	–	–	–	–	838
Other1 (various sp)	0.0723	–	–	33	–	–	–	33
	0.1532	–	–	66	–	–	–	66
TOTAL RELEASED	1.0804	–	460	33	–	–	–	493
	1.9918	–	838	66	–	–	–	841
TOTAL CATCH	1.3472	–	582	33	–	–	–	615
	2.1385	–	873	66	–	–	–	875
ANGLER HOURS		173	252	11	21	–	–	457
		106	301	22	30	–	–	321
ANGLER TRIPS		61	248	11	14	–	–	334
		42	325	22	23	–	–	329

Table 5.—Estimated harvest, catch per hour, and fishing pressure for Dollarville Flooding all modes combined. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Northern Pike	0.0095	–	29	18	–	32	–	79
	0.0094	–	41	21	–	63	–	78
Yellow Perch	0.0974	2	49	169	331	32	226	809
	0.0748	4	62	203	450	65	353	613
Bluegill	0.0015	–	–	12	–	–	–	12
	0.0030	–	–	25	–	–	–	25
Pumpkinseed	0.0201	2	138	–	26	–	–	167
	0.0304	4	246	–	51	–	–	251
Muskellunge	0.0004	–	–	3	–	–	–	3
	0.0008	–	–	7	–	–	–	7
TOTAL HARVEST	0.1289	4	217	202	357	63	226	1,069
	0.0820	5	257	206	452	90	353	667
RELEASED								
Northern Pike	0.2164	388	496	361	109	403	38	1,796
	0.2112	512	323	211	97	NAN	38	1,739
Largemouth Bass	0.0042	–	–	3	7	25	–	35
	0.0048	–	–	7	13	36	–	39
Smallmouth Bass	0.0032	10	–	6	–	11	–	26
	0.0039	20	–	12	–	22	–	32
Yellow Perch	0.2376	31	38	534	779	246	343	1,972
	0.1755	39	39	469	1,232	224	522	1,436
Bluegill	0.0392	–	9	277	14	25	–	325
	0.0292	–	19	234	21	37	–	239
Pumpkinseed	0.0707	–	494	3	78	11	–	586
	0.1033	–	839	7	159	21	–	854
Rock Bass	0.0138	10	9	82	14	–	–	115
	0.0123	19	18	95	23	–	–	101
Muskellunge	0.0416	85	39	107	46	51	17	345
	0.0228	132	41	97	53	47	21	185
Other1 (various sp)	0.0098	–	–	53	18	11	–	82
	0.0099	–	–	70	37	21	–	82
TOTAL RELEASED	0.6366	525	1,086	1,426	1,066	782	398	5,282
	0.4421	531	901	586	1,248	NAN	524	3,611
TOTAL CATCH	0.7655	528	1,302	1,629	1,423	845	624	6,352
	0.4524	531	937	621	1,327	NAN	632	3,672
ANGLER HOURS		1,079	2,108	1,797	1,098	1,491	725	8,298
		313	602	392	354	467	273	1,016
ANGLER TRIPS		409	764	546	352	358	185	2,614
		138	358	150	114	116	81	450

Table 6.—Estimated harvest, catch per hour, and fishing pressure for Dollarville spillway shore angling. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Yellow Perch	0.0126	-	-	-	13	-	-	13
	0.0257	-	-	-	26	-	-	26
Other (Bait sp)	0.0201	-	-	-	21	-	-	21
	0.0411	-	-	-	42	-	-	42
TOTAL HARVEST	0.0328	-	-	-	34	-	-	34
	0.0494	-	-	-	49	-	-	49
RELEASED								
Northern Pike	0.0216	-	19	4	-	-	-	22
	0.0359	-	35	7	-	-	-	36
Largemouth Bass	0.0169	-	-	4	3	11	-	18
	0.0221	-	-	7	5	20	-	22
Smallmouth Bass	0.0586	-	26	14	10	11	-	61
	0.0543	-	41	17	15	20	-	51
Yellow Perch	0.0707	-	-	13	50	-	10	73
	0.0876	-	-	18	82	-	19	86
Bluegill	0.2218	-	-	24	41	65	101	230
	0.4271	-	-	25	79	138	NAN	433
Pumpkinseed	0.0600	-	30	6	26	-	-	62
	0.0696	-	54	9	40	-	-	68
Rock Bass	0.2678	-	78	89	41	65	5	278
	0.2196	-	115	65	52	138	9	198
Muskellunge	0.0029	-	-	3	-	-	-	3
	0.0059	-	-	6	-	-	-	6
Other1 (various sp)	0.3271	-	-	61	33	-	245	339
	0.9582	-	-	57	66	-	NAN	984
Other2 (Unknown sunfish)	0.0632	-	-	-	66	-	-	66
	0.1301	-	-	-	132	-	-	132
TOTAL RELEASED	1.1107	0	153	218	270	151	361	1,152
	1.4952	0	138	95	198	197	NAN	1,479
TOTAL CATCH	1.1435	0	153	218	304	151	361	1,186
	1.5000	0	138	95	204	197	NAN	1,480
ANGLER HOURS		0	380	339	200	35	83	1,037
		0	352	154	136	55	91	421
ANGLER TRIPS		0	208	243	111	32	44	638
		0	180	121	80	52	52	242

Table 7.—Estimated harvest, catch per hour, and fishing pressure for boat angling all sites combined. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Northern Pike	0.0119	–	29	18	–	32	–	79
	0.0119	–	41	21	–	63	–	78
Yellow Perch	0.1227	–	49	169	331	32	226	807
	0.0948	–	62	203	450	65	353	613
Bluegill	0.0018	–	–	12	–	–	–	12
	0.0037	–	–	25	–	–	–	25
Pumpkinseed	0.0065	–	17	–	26	–	–	43
	0.0093	–	33	–	51	–	–	61
TOTAL HARVEST	0.1431	–	95	199	357	63	226	940
	0.0966	–	81	205	452	90	353	621
RELEASED								
Northern Pike	0.2569	335	482	351	99	386	34	1,688
	0.1248	507	323	211	94	450	38	786
Largemouth Bass	0.0048	–	–	–	7	25	–	32
	0.0059	–	–	–	13	36	–	39
Smallmouth Bass	0.0025	–	–	6	–	11	–	17
	0.0038	–	–	12	–	22	–	25
Yellow Perch	0.2810	–	7	482	769	246	343	1,847
	0.2216	–	15	465	1,231	224	522	1,434
Bluegill	0.0112	–	–	48	–	25	–	73
	0.0134	–	–	79	–	37	–	88
Pumpkinseed	0.0041	–	17	–	–	11	–	27
	0.0060	–	33	–	–	21	–	40
Muskellunge	0.0525	85	39	107	46	51	17	345
	0.0290	132	41	97	53	47	21	185
Other1 (various sp)	0.0016	–	–	–	–	11	–	11
	0.0032	–	–	–	–	21	–	21
TOTAL RELEASED	0.6147	421	545	994	921	764	395	4,040
	0.2650	524	327	526	1,236	509	524	1,649
TOTAL CATCH	0.7578	421	640	1,193	1,278	827	621	4,981
	0.2880	524	337	565	1,316	517	632	1,762
ANGLER HOURS		695	1,528	1,381	859	1,412	697	6,572
		266	495	342	336	461	270	912
ANGLER TRIPS		200	326	284	205	312	162	1,488
		92	113	84	89	107	74	230

Table 8.—Estimated harvest, catch per hour, and fishing pressure for pier/dock angling all sites combined. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Yellow Perch	0.0015	2	–	–	–	–	–	2
	0.0031	4	–	–	–	–	–	4
Pumpkinseed	0.0015	2	–	–	–	–	–	2
	0.0031	4	–	–	–	–	–	4
Muskellunge	0.0026	–	–	3	–	–	–	3
	0.0052	–	–	7	–	–	–	7
TOTAL HARVEST	0.0056	4	–	3	–	–	–	7
	0.0069	5	–	7	–	–	–	9
RELEASED								
Northern Pike	0.0849	53	14	10	10	17	3	108
	0.0855	71	21	16	21	NAN	7	105
Largemouth Bass	0.0026	–	–	3	–	–	–	3
	0.0053	–	–	7	–	–	–	7
Smallmouth Bass	0.0077	10	–	–	–	–	–	10
	0.0158	20	–	–	–	–	–	20
Yellow Perch	0.0982	31	31	52	10	–	–	125
	0.0670	39	36	55	20	–	–	79
Bluegill	0.1984	–	9	229	14	–	–	252
	0.1819	–	19	221	21	–	–	222
Pumpkinseed	0.0780	–	18	3	78	–	–	99
	0.1276	–	19	7	159	–	–	160
Rock Bass	0.0904	10	9	82	14	–	–	115
	0.0829	19	18	95	23	–	–	101
Other1 (various sp)	0.0301	–	–	20	18	–	–	38
	0.0352	–	–	24	37	–	–	44
TOTAL RELEASED	0.5903	104	81	399	145	17	3	749
	0.2939	85	53	248	168	NAN	7	324
TOTAL CATCH	0.5958	108	81	402	145	17	3	756
	0.2947	86	53	248	168	NAN	7	324
ANGLER HOURS		211	327	405	219	79	28	1,269
		126	163	191	107	76	43	313
ANGLER TRIPS		148	190	251	133	46	23	792
		94	98	122	67	45	33	203

Table 9.—Estimated harvest, catch per hour, and fishing pressure for shore angling all sites combined. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Yellow Perch	0.0088	–	–	–	13	–	–	13
	0.0178	–	–	–	26	–	–	26
Pumpkinseed	0.0816	–	122	–	–	–	–	122
	0.1657	–	244	–	–	–	–	244
Other (Bait sp)	0.0140	–	–	–	21	–	–	21
	0.0284	–	–	–	42	–	–	42
TOTAL HARVEST	0.1043	–	122	–	34	–	–	156
	0.1705	–	244	–	49	–	–	249
RELEASED								
Northern Pike	0.0150	–	19	4	–	–	–	22
	0.0247	–	35	7	–	–	–	36
Largemouth Bass	0.0118	–	–	4	3	11	–	18
	0.0151	–	–	7	5	20	–	22
Smallmouth Bass	0.0407	–	26	14	10	11	–	61
	0.0368	–	41	17	15	20	–	51
Yellow Perch	0.0491	–	–	13	50	–	10	73
	0.0601	–	–	18	82	–	19	86
Bluegill	0.1540	–	–	24	41	65	101	230
	0.2950	–	–	25	79	138	NAN	433
Pumpkinseed	0.3498	–	490	6	26	–	–	523
	0.5762	–	840	9	40	–	–	841
Rock Bass	0.1860	–	78	89	41	65	5	278
	0.1480	–	115	65	52	138	9	198
Muskellunge	0.0020	–	–	3	–	–	–	3
	0.0041	–	–	6	–	–	–	6
Other1 (various sp)	0.2492	–	–	94	33	–	245	372
	0.6663	–	–	87	66	–	NAN	987
Other2 (Unknown sunfish)	0.0439	–	–	–	66	–	–	66
	0.0899	–	–	–	132	–	–	132
TOTAL RELEASED	1.1015	0	614	251	270	151	361	1,646
	1.2037	0	849	115	198	197	NAN	1,701
TOTAL CATCH	1.2058	0	735	251	304	151	361	1,801
	1.2276	0	884	115	204	197	NAN	1,719
ANGLER HOURS		173	632	350	221	35	83	1,494
		106	463	156	139	55	91	530
ANGLER TRIPS		61	456	254	125	32	44	972
		42	371	123	83	52	52	409

Table 10.—Estimated harvest, catch per hour, and fishing pressure for Dollarville Flooding all sites and modes combined. Two standard errors are given below the estimates.

Species	C/H	May	June	July	August	September	October	Season
HARVEST								
Northern Pike	0.0084	–	29	18	–	32	–	79
	0.0084	–	41	21	–	63	–	78
Yellow Perch	0.0880	2	49	169	344	32	226	822
	0.0665	4	62	203	450	65	353	614
Bluegill	0.0013	–	–	12	–	–	–	12
	0.0026	–	–	25	–	–	–	25
Pumpkinseed	0.0179	2	138	–	26	–	–	167
	0.0270	4	246	–	51	–	–	251
Muskellunge	0.0004	–	–	3	–	–	–	3
	0.0007	–	–	7	–	–	–	7
Other (Bait sp)	0.0022	–	–	–	21	–	–	21
	0.0045	–	–	–	42	–	–	42
TOTAL HARVEST	0.1182	4	217	202	391	63	226	1,103
	0.0730	5	257	206	455	90	353	669
RELEASED								
Northern Pike	0.1948	388	515	365	109	403	38	1,818
	0.1877	512	325	211	97	NAN	38	1,739
Largemouth Bass	0.0056	–	–	7	10	36	–	53
	0.0049	–	–	9	14	42	–	45
Smallmouth Bass	0.0093	10	26	20	10	21	–	87
	0.0065	20	41	21	15	30	–	60
Yellow Perch	0.2191	31	38	547	829	246	353	2,045
	0.1563	39	39	469	1,234	224	522	1,439
Bluegill	0.0595	–	9	301	54	90	101	555
	0.0534	–	19	236	81	143	NAN	495
Pumpkinseed	0.0695	–	524	9	104	11	–	649
	0.0921	–	841	11	164	21	–	857
Rock Bass	0.0420	10	88	170	55	65	5	393
	0.0243	19	117	115	57	138	9	222
Muskellunge	0.0373	85	39	110	46	51	17	348
	0.0203	132	41	97	53	47	21	185
Other1 (various sp)	0.0451	–	–	114	51	11	245	421
	0.1060	–	–	91	76	21	NAN	988
Other2 (Uknown sunfish)	0.0070	–	–	–	66	–	–	66
	0.0142	–	–	–	132	–	–	132
TOTAL RELEASED	0.6893	525	1,239	1,644	1,336	932	759	6,435
	0.5541	531	912	593	1,263	NAN	NAN	5,117
TOTAL CATCH	0.8075	528	1,456	1,846	1,727	996	985	7,538
	0.5609	531	947	628	1,343	NAN	NAN	5,161
ANGLER HOURS		1,079	2,488	2,136	1,299	1,526	808	9,335
		313	697	422	379	470	288	1,100
ANGLER TRIPS		409	971	789	463	390	230	3,252
		138	400	193	139	128	96	511