

OPENWATER AND ICE CREEL 2016-2017

CREEL SURVEY SYNOPSIS

MWBC: 2615100
LAKE: Cedar Lake
COUNTY: Polk
ACRES: 1,100

PROJECTED PRESSURE: 31,958 HOURS

HOURS/ACRE: 29.1

Species	Directed Effort (Hours)	(%)	Catch	Specific Catch Rate (Fish/Hour)	Harvest	Specific Harvest Rate (Fish/Hour)	Mean Length (inches)
Walleye	8,116	13.3%	2,386	0.2799	295	0.0330	15.0
Muskellunge	4,318	7.1%	244	0.0307	0	0.0000	*
Northern Pike	4,988	8.2%	959	0.0642	89	0.0144	24.0
Largemouth Bass	3,516	5.7%	2,231	0.3030	8	0.0022	16.8
Smallmouth Bass	3,664	6.0%	1,852	0.3264	17	0.0034	15.7
Bluegill	12,528	20.5%	33,933	2.4148	5,624	0.4357	8.3
Pumpkinseed	383	0.6%	358	0.9364	28	0.0744	7.7
Black Crappie	12,120	19.8%	8,635	0.6505	2,418	0.1896	10.2
Yellow Perch	11,418	18.7%	18,324	1.3343	4,111	0.3394	9.2
Rock Bass	*	0	837	*	24	*	8.1
Common Carp	*	0	8	*	0	*	*
Green Sunfish	80	0.1%	26	0.2788	22	0.2788	7.0
White Bass	18	0.0%	952	14.9498	57	0.0000	14.9

Table 2

Estimated Effort Detailed Report

Cedar Lake
7-May-2016 To 5-Mar-2017

Site	Season	Month	Day Type	Days Sampled	Total Counts	Boat/Ice Shanty Angler Hours	St Dev Boat/Ice Shanty Angler Hours	Shore/Open-Ice Angler Hours	St Dev Shore/Open-Ice Angler Hours	Total Angler Hours	St Dev Total Angler Hours	
1	Summer	May	Weekday	10	20	644.80	191.36	12.40	12.40	657.20	191.77	
			Weekend	9	18	3,766.50	431.22	100.75	61.51	3,867.25	435.59	
			Total	19	38	4,411.30	471.78	113.15	62.75	4,524.45	475.93	
		June	Weekday	12	24	2,596.00	321.62	146.67	84.33	2,742.67	332.49	
			Weekend	8	16	2,064.00	372.32	32.00	11.31	2,096.00	372.49	
			Total	20	40	4,660.00	492.00	178.67	85.08	4,838.67	499.30	
		July	Weekday	12	24	1,880.00	436.75	240.00	63.82	2,120.00	441.39	
			Weekend	11	22	2,168.00	208.15	96.00	49.32	2,264.00	213.92	
			Total	23	46	4,048.00	483.82	336.00	80.65	4,384.00	490.49	
		August	Weekday	13	26	1,713.94	280.53	27.42	27.42	1,741.37	281.86	
			Weekend	8	16	1,612.00	328.26	54.25	35.51	1,666.25	330.17	
			Total	21	42	3,325.94	431.80	81.67	44.87	3,407.62	434.12	
		September	Weekday	13	26	872.31	156.58	21.81	21.81	894.12	158.10	
			Weekend	9	18	978.75	163.26	54.00	21.35	1,032.75	164.65	
			Total	22	44	1,851.06	226.21	75.81	30.52	1,926.87	228.26	
		October	Weekday	9	18	778.17	179.00	0.00	0.00	778.17	179.00	
			Weekend	10	20	1,282.25	163.95	0.00	0.00	1,282.25	163.95	
			Total	19	38	2,060.42	242.74	0.00	0.00	2,060.42	242.74	
		Total	Weekday	69	138	8,485.22	682.69	448.30	112.09	8,933.51	691.83	
			Weekend	55	110	11,871.50	727.46	337.00	89.78	12,208.50	732.98	
			Total	124	248	20,356.72	997.63	785.30	143.62	21,142.01	1,007.91	
		Winter	December	Weekday	10	18	1,023.00	631.06	*	*	1,023.00	631.06
				Weekend	8	14	298.13	163.35	*	*	298.13	163.35
				Total	18	32	1,321.13	651.86	*	*	1,321.13	651.86
	January		Weekday	9	18	2,823.33	300.69	*	*	2,823.33	300.69	
			Weekend	9	18	2,385.00	280.02	*	*	2,385.00	280.02	
			Total	18	36	5,208.33	410.88	*	*	5,208.33	410.88	
	February		Weekday	8	16	2,343.13	644.68	*	*	2,343.13	644.68	
			Weekend	8	16	1,725.00	376.02	*	*	1,725.00	376.02	
			Total	16	32	4,068.13	746.33	*	*	4,068.13	746.33	
	March		Weekday	1	2	86.25	*	*	*	86.25	0.00	
			Weekend	2	4	132.25	86.25	*	*	132.25	86.25	
			Total	3	6	218.50	86.25	*	*	218.50	86.25	
	Total		Weekday	28	54	6,275.71	950.93	*	*	6,275.71	950.93	
			Weekend	27	52	4,540.38	503.91	*	*	4,540.38	503.91	
			Total	55	106	10,816.08	1,076.19	*	*	10,816.08	1,076.19	
	Total		Total	Weekday	97	192	14,760.93	1,170.61	448.30	112.09	15,209.22	1,175.97
				Weekend	82	162	16,411.88	884.94	337.00	89.78	16,748.88	889.48
				Total	179	354	31,172.80	1,467.46	785.30	143.62	31,958.10	1,474.47

Table 3

Projected Catch and Harvest

Cedar Lake
7-May-2016 To 5-Mar-2017

Species	Month	Catch	St Dev Catch	Harvest	St Dev Harvest
Black Crappie	May	1,267	330.33	608	201.67
	June	504	186.82	112	33.50
	July	1,538	564.57	270	120.68
	August	1,004	280.59	237	85.95
	September	914	339.14	156	75.77
	October	1,499	421.27	424	146.54
	December	112	83.84	34	24.60
	January	1,178	321.93	383	117.16
	February	422	138.52	138	51.17
	March	197	140.66	56	53.98
	Summer	6,726	913.22	1,808	301.59
	Winter	1,909	386.83	610	140.94
	Total	8,635	991.77	2,418	332.90
	Bluegill	May	1,147	409.00	338
June		5,361	1,095.75	1,391	316.77
July		5,113	992.63	1,451	323.48
August		2,687	639.82	311	121.25
September		1,459	420.63	97	41.42
October		1,671	542.16	209	76.90
December		2,228	1,293.18	219	125.97
January		10,136	1,653.89	1,247	277.97
February		3,624	906.85	361	155.61
March		506	360.34	0	*
Summer		17,438	1,798.19	3,797	491.35
Winter		16,495	2,315.14	1,827	342.56
Total		33,933	2,931.45	5,624	598.97
Common Carp		May	4	4.13	0
	June	0	*	0	*
	July	0	*	0	*
	August	4	3.96	0	*
	September	0	*	0	*
	October	0	*	0	*
	December	0	*	0	*
	January	0	*	0	*
	February	0	*	0	*
	March	0	*	0	*
	Summer	8	5.72	0	*
	Winter	0	*	0	*
	Total	8	5.72	0	*
	Green Sunfish	May	6	6.61	6
June		6	6.03	6	6.03
July		7	6.79	7	6.79
August		4	3.94	0	*
September		3	3.18	3	3.18
October		0	*	0	*
December		0	*	0	*
January		0	*	0	*
February		0	*	0	*
March		0	*	0	*
Summer		26	12.32	22	11.68
Winter		0	*	0	*
Total		26	12.32	22	11.68
Largemouth Bass		May	140	52.63	0
	June	252	61.89	8	7.55
	July	358	109.55	0	*
	August	740	198.05	0	*
	September	421	115.11	0	*
	October	238	105.24	0	*
	December	31	17.86	0	*
	January	41	16.29	0	*
	February	9	8.66	0	*
	March	0	*	0	*
	Summer	2,149	286.62	8	7.55
	Winter	81	25.68	0	*
	Total	2,231	287.77	8	7.55

Table 3

Projected Catch and Harvest

Cedar Lake
7-May-2016 To 5-Mar-2017

Species	Month	Catch	St Dev Catch	Harvest	St Dev Harvest
Muskellunge	May	16	8.24	0	*
	June	50	18.76	0	*
	July	37	15.83	0	*
	August	60	18.57	0	*
	September	44	16.84	0	*
	October	37	11.53	0	*
	December	0	*	0	*
	January	0	*	0	*
	February	0	*	0	*
	March	0	*	0	*
	Summer	244	37.84	0	*
	Winter	0	*	0	*
	Total	244	37.84	0	*
	Northern Pike	May	251	60.07	10
June		153	46.03	0	*
July		176	43.57	7	6.66
August		142	38.52	5	4.58
September		39	16.02	0	*
October		48	15.66	2	2.09
December		0	*	0	*
January		62	22.39	31	16.23
February		88	28.24	35	20.07
March		0	*	0	*
Summer		809	98.04	24	11.33
Winter		150	36.04	65	25.81
Total		959	104.45	89	28.19
Pumpkinseed		May	0	*	0
	June	3	3.02	3	3.02
	July	16	9.54	16	9.54
	August	18	14.52	9	6.39
	September	36	27.54	0	*
	October	0	*	0	*
	December	0	*	0	*
	January	285	264.68	0	*
	February	0	*	0	*
	March	0	*	0	*
	Summer	73	32.70	28	11.87
	Winter	285	264.68	0	*
	Total	358	266.69	28	11.87
	Rock Bass	May	77	32.07	0
June		247	106.83	12	9.41
July		152	54.00	5	4.77
August		192	100.22	0	*
September		53	22.50	0	*
October		81	29.92	7	7.66
December		36	34.09	0	*
January		0	*	0	*
February		0	*	0	*
March		0	*	0	*
Summer		801	163.72	24	13.03
Winter		36	34.09	0	*
Total		837	167.23	24	13.03
Smallmouth Bass		May	396	167.11	0
	June	417	97.10	8	7.55
	July	197	47.01	10	6.83
	August	462	127.98	0	*
	September	190	53.24	0	*
	October	189	49.13	0	*
	December	0	*	0	*
	January	0	*	0	*
	February	0	*	0	*
	March	0	*	0	*
	Summer	1,852	247.37	17	10.18
	Winter	0	*	0	*
	Total	1,852	247.37	17	10.18

Table 3

Projected Catch and Harvest

Cedar Lake
7-May-2016 To 5-Mar-2017

Species	Month	Catch	St Dev Catch	Harvest	St Dev Harvest
Walleye	May	212	97.19	35	19.68
	June	570	202.10	156	52.38
	July	355	118.39	19	9.35
	August	565	168.20	53	22.52
	September	516	151.64	28	12.21
	October	146	48.73	4	3.00
	December	0	*	0	*
	January	21	16.86	0	*
	February	0	*	0	*
	March	0	*	0	*
	Summer	2,365	343.47	295	62.32
	Winter	21	16.86	0	*
	Total	2,386	343.88	295	62.32
	White Bass	May	396	191.86	16
June		150	54.23	8	7.60
July		48	33.61	0	*
August		111	43.65	33	23.99
September		193	71.55	0	*
October		55	27.27	0	*
December		0	*	0	*
January		0	*	0	*
February		0	*	0	*
March		0	*	0	*
Summer		952	220.56	57	27.68
Winter		0	*	0	*
Total		952	220.56	57	27.68
Yellow Perch		May	593	224.93	102
	June	1,279	340.00	376	119.76
	July	788	253.85	292	116.37
	August	1,055	369.09	173	92.68
	September	244	91.88	6	4.66
	October	1,796	718.89	328	134.68
	December	1,328	648.90	364	195.68
	January	8,252	1,364.76	1,473	282.11
	February	2,922	805.95	996	267.31
	March	68	14.90	0	*
	Summer	5,755	944.52	1,278	237.35
	Winter	12,569	1,712.72	2,833	435.13
	Total	18,324	1,955.90	4,111	495.65

Table 4

Catch Rate, Harvest Rate, and Targeted Effort Summary

Cedar Lake
7-May-2016 To 5-Mar-2017

Species	Month	General Catch/Hr	General Hrs/Catch	Specific Catch/Hr	Specific Hrs/Catch	General Harvest/Hr	General Hrs/Harv	Specific Harvest/Hr	Specific Hrs/Harv	Specific Effort
Black Crappie	May	0.28	3.57	0.6185	1.62	0.13	7.44	0.3294	3.04	1,846
	June	0.10	9.61	0.2726	3.67	0.02	43.11	0.0409	24.44	1,446
	July	0.35	2.85	0.8223	1.22	0.06	16.21	0.1451	6.89	1,752
	August	0.29	3.39	0.8207	1.22	0.07	14.38	0.2167	4.62	1,094
	September	0.47	2.11	1.3363	0.75	0.08	12.39	0.1969	5.08	621
	October	0.73	1.37	2.0223	0.49	0.21	4.86	0.6183	1.62	672
	December	0.08	11.83	0.3348	2.99	0.03	39.44	0.0857	11.67	287
	January	0.23	4.42	0.5289	1.89	0.07	13.60	0.1833	5.45	2,088
	February	0.10	9.64	0.2015	4.96	0.03	29.58	0.0657	15.23	2,095
	March	0.90	1.11	0.9015	1.11	0.26	3.88	0.2576	3.88	219
	Summer	0.32	3.14	0.8160	1.23	0.09	11.70	0.2283	4.38	7,432
	Winter	0.18	5.67	0.3881	2.58	0.06	17.73	0.1283	7.80	4,688
	Total	0.27	3.70	0.6505	1.54	0.08	13.22	0.1896	5.27	12,120
Bluegill	May	0.25	3.94	0.8335	1.20	0.07	13.37	0.2640	3.79	1,193
	June	1.11	0.90	2.4168	0.41	0.29	3.48	0.6720	1.49	2,020
	July	1.17	0.86	2.5695	0.39	0.33	3.02	0.7636	1.31	1,894
	August	0.79	1.27	2.5403	0.39	0.09	10.96	0.3183	3.14	964
	September	0.76	1.32	2.2153	0.45	0.05	19.94	0.1874	5.34	516
	October	0.81	1.23	3.1386	0.32	0.10	9.86	0.3993	2.50	518
	December	1.69	0.59	2.7915	0.36	0.17	6.04	0.2808	3.56	748
	January	1.95	0.51	3.2041	0.31	0.24	4.18	0.4119	2.43	2,811
	February	0.89	1.12	1.5541	0.64	0.09	11.26	0.2086	4.79	1,731
	March	3.83	0.26	3.8298	0.26	0.00	*	0.0000	*	132
	Summer	0.82	1.21	2.2464	0.45	0.18	5.57	0.5248	1.91	7,105
	Winter	1.54	0.65	2.6356	0.38	0.17	5.87	0.3189	3.14	5,422
	Total	1.06	0.94	2.4148	0.41	0.18	5.67	0.4357	2.30	12,528
Common Carp	May	0.00	944.08	*	*	0.00	*	*	*	*
	August	0.00	422.58	*	*	0.00	*	*	*	*
	Summer	0.00	688.31	*	*	0.00	*	*	*	*
	Total	0.00	688.31	*	*	0.00	*	*	*	*
Green Sunfish	May	0.01	102.90	1.0000	1.00	0.01	102.90	1.0000	1.00	6
	June	0.00	345.29	0.2133	4.69	0.00	345.29	0.2133	4.69	28
	July	0.00	315.00	0.6667	1.50	0.00	315.00	0.6667	1.50	10
	August	0.00	422.58	*	*	0.00	*	*	*	*
	September	0.00	320.58	0.0909	11.00	0.00	320.58	0.0909	11.00	35
	Summer	0.00	287.35	0.2788	3.59	0.00	337.91	0.2788	3.59	80
	Total	0.00	287.35	0.2788	3.59	0.00	337.91	0.2788	3.59	80
Largemouth Bass	May	0.03	32.26	0.1586	6.30	0.00	*	0.0000	*	792
	June	0.05	19.22	0.0935	10.69	0.00	638.21	0.0074	134.79	1,022
	July	0.08	12.25	0.1982	5.05	0.00	*	0.0000	*	425
	August	0.22	4.60	0.6199	1.61	0.00	*	0.0000	*	791
	September	0.22	4.58	0.6248	1.60	0.00	*	0.0000	*	359
	October	0.12	8.65	0.4478	2.23	0.00	*	0.0000	*	102
	December	0.02	42.24	*	*	0.00	*	*	*	*
	January	0.01	126.06	0.0000	*	0.00	*	0.0000	*	26
	February	0.01	195.25	*	*	0.00	*	*	*	*
	Summer	0.10	9.84	0.3053	3.28	0.00	2788.57	0.0022	460.40	3,491
	Winter	0.01	101.37	0.0000	*	0.00	*	0.0000	*	26
	Total	0.08	13.18	0.3030	3.30	0.00	3877.31	0.0022	463.77	3,516
	Muskellunge	May	0.00	276.13	0.0164	61.03	0.00	*	0.0000	*
June		0.01	96.68	0.0026	382.89	0.00	*	0.0000	*	1,162
July		0.01	117.44	0.0255	39.17	0.00	*	0.0000	*	714
August		0.02	57.11	0.0540	18.52	0.00	*	0.0000	*	801
September		0.02	43.79	0.0654	15.29	0.00	*	0.0000	*	448
October		0.02	55.63	0.0443	22.55	0.00	*	0.0000	*	692
Summer		0.01	86.48	0.0307	32.53	0.00	*	0.0000	*	4,318
Total		0.01	86.48	0.0307	32.53	0.00	*	0.0000	*	4,318
Northern Pike		May	0.06	18.00	0.3436	2.91	0.00	431.60	0.0000	*
	June	0.03	31.59	0.1260	7.94	0.00	*	0.0000	*	277
	July	0.04	24.84	0.1169	8.55	0.00	651.40	0.0234	42.77	288
	August	0.04	24.04	0.0607	16.46	0.00	743.77	0.0000	*	346
	September	0.02	49.40	0.0739	13.54	0.00	*	0.0000	*	174
	October	0.02	43.27	0.0630	15.88	0.00	974.52	0.0000	*	168
	December	0.00	*	0.0000	*	0.00	*	0.0000	*	171
	January	0.01	83.42	0.0311	32.16	0.01	169.33	0.0153	65.28	2,008
	February	0.02	46.45	0.0604	16.56	0.01	117.65	0.0251	39.83	1,377
	Summer	0.04	26.12	0.1219	8.21	0.00	884.27	0.0047	212.68	1,431
	Winter	0.01	68.65	0.0409	24.43	0.01	157.64	0.0184	54.43	3,556
	Total	0.03	32.77	0.0642	15.59	0.00	352.31	0.0144	69.21	4,988

Table 4

Catch Rate, Harvest Rate, and Targeted Effort Summary

Cedar Lake
7-May-2016 To 5-Mar-2017

Species	Month	General Catch/Hr	General Hrs/Catch	Specific Catch/Hr	Specific Hrs/Catch	General Harvest/Hr	General Hrs/Harv	Specific Harvest/Hr	Specific Hrs/Harv	Specific Effort
Pumpkinseed	June	0.00	690.58	0.1067	9.38	0.00	690.58	0.1067	9.38	28
	July	0.00	269.32	0.1538	6.50	0.00	269.32	0.1538	6.50	106
	August	0.01	95.02	0.1846	5.42	0.01	190.04	0.0923	10.83	99
	September	0.02	53.85	0.9417	1.06	0.00	*	0.0000	*	38
	January	0.12	8.37	2.5613	0.39	0.00	*	0.0000	*	111
	Summer	0.01	138.22	0.2704	3.70	0.00	356.38	0.1049	9.54	272
	Winter	0.12	8.37	2.5613	0.39	0.00	*	0.0000	*	111
	Total	0.03	34.96	0.9364	1.07	0.00	440.13	0.0744	13.44	383
Rock Bass	May	0.02	59.14	*	*	0.00	*	*	*	*
	June	0.05	19.57	*	*	0.00	398.56	*	*	*
	July	0.03	28.89	*	*	0.00	918.34	*	*	*
	August	0.06	17.71	*	*	0.00	*	*	*	*
	September	0.03	36.41	*	*	0.00	*	*	*	*
	October	0.04	25.57	*	*	0.00	276.91	*	*	*
	December	0.03	28.65	*	*	0.00	*	*	*	*
	Summer	0.04	26.38	*	*	0.00	868.08	*	*	*
	Winter	0.03	28.65	*	*	0.00	*	*	*	*
	Total	0.04	26.48	*	*	0.00	910.08	*	*	*
Smallmouth Bass	May	0.09	11.42	0.4388	2.28	0.00	*	0.0000	*	894
	June	0.09	11.60	0.2908	3.44	0.00	638.21	0.0074	135.54	1,028
	July	0.04	22.25	0.1446	6.92	0.00	459.17	0.0108	92.75	443
	August	0.14	7.38	0.3761	2.66	0.00	*	0.0000	*	791
	September	0.10	10.13	0.2880	3.47	0.00	*	0.0000	*	359
	October	0.09	10.88	0.3215	3.11	0.00	*	0.0000	*	125
	January	0.00	*	0.0000	*	0.00	*	0.0000	*	26
	Summer	0.09	11.42	0.3287	3.04	0.00	1234.26	0.0034	294.51	3,639
	Winter	0.00	*	0.0000	*	0.00	*	0.0000	*	26
	Total	0.08	12.70	0.3264	3.06	0.00	1373.49	0.0034	296.57	3,664
Walleye	May	0.05	21.32	0.1061	9.42	0.01	129.05	0.0175	57.02	1,999
	June	0.12	8.49	0.3619	2.76	0.03	30.98	0.0940	10.64	1,420
	July	0.08	12.36	0.2104	4.75	0.00	229.58	0.0092	108.56	1,555
	August	0.17	6.03	0.5698	1.76	0.02	64.22	0.0547	18.27	969
	September	0.27	3.73	0.8429	1.19	0.01	69.93	0.0459	21.80	601
	October	0.07	14.12	0.2829	3.54	0.00	487.26	0.0086	115.81	490
	December	0.00	*	0.0000	*	0.00	*	0.0000	*	35
	January	0.00	246.65	0.0360	27.79	0.00	*	0.0000	*	587
	February	0.00	*	0.0000	*	0.00	*	0.0000	*	460
	Summer	0.11	8.94	0.3199	3.13	0.01	71.62	0.0381	26.28	7,034
	Winter	0.00	487.75	0.0195	51.23	0.00	*	0.0000	*	1,082
	Total	0.08	13.18	0.2799	3.57	0.01	106.51	0.0330	30.32	8,116
	White Bass	May	0.09	11.44	14.9498	0.07	0.00	276.13	0.0000	*
June		0.03	32.23	*	*	0.00	638.21	*	*	*
July		0.02	47.43	*	*	0.00	*	*	*	*
August		0.03	30.75	*	*	0.01	101.84	*	*	*
September		0.10	9.99	*	*	0.00	*	*	*	*
October		0.03	37.43	*	*	0.00	*	*	*	*
Summer		0.05	19.97	14.9498	0.07	0.00	331.24	0.0000	*	18
Total		0.05	19.97	14.9498	0.07	0.00	331.24	0.0000	*	18
Yellow Perch	May	0.13	7.63	0.6168	1.62	0.02	44.18	0.1157	8.65	850
	June	0.26	3.78	0.5582	1.79	0.08	12.86	0.2071	4.83	1,296
	July	0.18	5.56	0.4146	2.41	0.07	15.01	0.1717	5.82	1,477
	August	0.31	3.23	0.8384	1.19	0.05	19.70	0.1920	5.21	901
	September	0.13	7.90	0.2720	3.68	0.00	299.07	0.0068	147.32	475
	October	0.87	1.15	2.6352	0.38	0.16	6.28	0.5044	1.98	575
	December	1.00	1.00	1.9997	0.50	0.28	3.63	0.5486	1.82	664
	January	1.58	0.63	2.4675	0.41	0.28	3.54	0.5197	1.92	2,784
	February	0.72	1.39	1.1866	0.84	0.24	4.09	0.4281	2.34	2,285
	March	0.31	3.23	0.6034	1.66	0.00	*	0.0000	*	112
	Summer	0.27	3.67	0.7641	1.31	0.06	16.54	0.1949	5.13	5,573
	Winter	1.16	0.86	1.8780	0.53	0.26	3.82	0.4772	2.10	5,845
	Total	0.57	1.74	1.3343	0.75	0.13	7.77	0.3394	2.95	11,418

Table 5

Length Frequency of Creel Clerk Measured Fish

Cedar Lake
7-May-2016 To 5-Mar-2017

Species	Length	Freq	CumFreq	CumPercent
Black Crappie	7	1	1	0%
	8	31	32	9%
	9	125	157	43%
	10	122	279	76%
	11	79	358	98%
	12	7	365	100%
Bluegill	5	7	7	1%
	6	34	41	6%
	7	201	242	35%
	8	292	534	77%
	9	157	691	100%
	10	2	693	100%
	11	1	694	100%
Green Sunfish	6	2	2	40%
	7	3	5	100%
Largemouth Bass	16	1	1	100%
Northern Pike	17	1	1	6%
	18	2	3	19%
	19	1	4	25%
	21	1	5	31%
	22	2	7	44%
	23	1	8	50%
	24	2	10	63%
	26	2	12	75%
	27	1	13	81%
	28	1	14	88%
	29	1	15	94%
31	1	16	100%	
Pumpkinseed	6	1	1	17%
	7	4	5	83%
	8	1	6	100%
Rock Bass	4	1	1	17%
	8	4	5	83%
	9	1	6	100%
Smallmouth Bass	14	1	1	33%
	15	1	2	67%
	17	1	3	100%
Walleye	10	1	1	2%
	12	14	15	27%
	13	22	37	66%
	18	11	48	86%
	19	6	54	96%
	20	1	55	98%
White Bass	22	1	56	100%
	14	9	9	69%
	15	3	12	92%
Yellow Perch	16	1	13	100%
	6	1	1	0%
	7	36	37	7%
	8	158	195	38%
Yellow Perch	9	229	424	83%
	10	79	503	99%
	11	5	508	100%
	12	1	509	100%

Table 6

Mean Lengths of Harvested Fish

Cedar Lake
7-May-2016 To 5-Mar-2017

Species	Month	Mean	Std Err	N	Var	Max	Min
Black Crappie	May	10.55	0.06	80	0.25	11.60	8.60
	June	10.54	0.07	24	0.11	11.20	10.00
	July	10.50	0.17	30	0.86	11.60	8.30
	August	10.04	0.16	46	1.13	11.50	8.30
	September	11.18	0.22	17	0.84	12.00	9.10
	October	9.90	0.11	86	1.11	12.50	7.50
	December	9.68	0.31	4	0.40	10.60	9.20
	January	9.59	0.11	50	0.57	12.10	8.50
	February	10.24	0.17	22	0.65	12.10	9.20
	March	9.70	0.16	6	0.16	10.50	9.50
	Summer	10.30	0.06	283	0.86	12.50	7.50
	Winter	9.77	0.09	82	0.62	12.10	8.50
	Total	10.18	0.05	365	0.85	12.50	7.50
Bluegill	May	8.82	0.11	55	0.65	11.00	6.90
	June	8.55	0.05	169	0.48	9.70	6.60
	July	8.40	0.07	181	0.79	9.90	5.30
	August	8.31	0.11	45	0.53	9.30	6.80
	September	7.86	0.17	27	0.81	9.30	6.30
	October	8.38	0.12	44	0.68	9.70	5.00
	December	7.16	0.10	18	0.19	8.00	6.30
	January	7.69	0.06	114	0.47	9.30	6.50
	February	8.00	0.10	41	0.39	9.10	7.10
	Summer	8.46	0.04	521	0.67	11.00	5.00
	Winter	7.71	0.05	173	0.47	9.30	6.30
	Total	8.27	0.03	694	0.73	11.00	5.00
	Green Sunfish	May	7.40	*	1	*	7.40
June		6.25	0.25	2	0.13	6.50	6.00
July		7.60	*	1	*	7.60	7.60
September		7.40	*	1	*	7.40	7.40
Summer		6.98	0.31	5	0.48	7.60	6.00
Total		6.98	0.31	5	0.48	7.60	6.00
Largemouth Bass	June	16.80	*	1	*	16.80	16.80
	Summer	16.80	*	1	*	16.80	16.80
	Total	16.80	*	1	*	16.80	16.80
Northern Pike	May	29.10	2.30	2	10.58	31.40	26.80
	July	26.80	*	1	*	26.80	26.80
	August	22.80	*	1	*	22.80	22.80
	October	28.80	*	1	*	28.80	28.80
	January	24.86	1.90	5	18.11	29.50	18.30
	February	20.42	1.01	6	6.13	23.40	17.40
	Summer	27.32	1.41	5	9.95	31.40	22.80
	Winter	22.44	1.19	11	15.70	29.50	17.40
	Total	23.96	1.08	16	18.58	31.40	17.40
Pumpkinseed	June	6.70	*	1	*	6.70	6.70
	July	8.00	0.45	3	0.61	8.90	7.50
	August	7.65	0.05	2	0.01	7.70	7.60
	Summer	7.67	0.29	6	0.50	8.90	6.70
	Total	7.67	0.29	6	0.50	8.90	6.70
Rock Bass	June	8.63	0.14	4	0.08	8.80	8.20
	July	9.40	*	1	*	9.40	9.40
	October	4.70	*	1	*	4.70	4.70
	Summer	8.10	0.70	6	2.92	9.40	4.70
	Total	8.10	0.70	6	2.92	9.40	4.70
Smallmouth Bass	June	14.50	*	1	*	14.50	14.50
	July	16.35	0.95	2	1.81	17.30	15.40
	Summer	15.73	0.83	3	2.04	17.30	14.50
	Total	15.73	0.83	3	2.04	17.30	14.50
Walleye	May	13.49	0.72	8	4.12	18.40	12.00
	June	13.18	0.22	26	1.24	18.10	12.00
	July	15.25	1.92	4	14.74	18.50	10.60
	August	18.25	0.70	12	5.85	22.10	13.30
	September	19.45	0.25	4	0.26	20.20	19.10
	October	15.75	2.75	2	15.13	18.50	13.00
	Summer	15.00	0.40	56	9.03	22.10	10.60
	Total	15.00	0.40	56	9.03	22.10	10.60
White Bass	May	14.65	0.27	4	0.30	15.30	14.00
	June	14.00	*	1	*	14.00	14.00
	August	15.11	0.21	8	0.36	16.10	14.40
	Summer	14.88	0.18	13	0.40	16.10	14.00
	Total	14.88	0.18	13	0.40	16.10	14.00

Species	Month	Mean	Std Err	N	Var	Max	Min	
Yellow Perch	May	8.76	0.15	25	0.57	10.00	6.80	
	June	8.65	0.09	63	0.51	10.30	7.00	
	July	8.95	0.09	41	0.30	10.10	8.00	
	August	9.24	0.08	28	0.18	10.00	8.50	
	September	9.45	0.35	2	0.25	9.80	9.10	
	October	9.84	0.09	59	0.46	11.80	8.80	
	December	9.18	0.10	32	0.32	10.30	8.10	
	January	9.23	0.06	144	0.53	11.00	7.00	
	February	9.34	0.09	115	1.02	12.30	7.40	
	Summer	9.12	0.05	218	0.64	11.80	6.80	
	Winter	9.27	0.05	291	0.70	12.30	7.00	
	Total		9.20	0.04	509	0.68	12.30	6.80

Table 7

Proportion of Marked Fish in Measured Sample

Cedar Lake
7-May-2016 To 5-Mar-2017

		May		June		July		August		September		October		December		January		February		March	
Species	Mark	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Black Crappie	NONE	80	100	24	100	30	100	46	100	17	100	86	100	4	100	50	100	22	100	6	100
Bluegill	NONE	55	100	169	100	181	100	45	100	27	100	44	100	18	100	114	100	41	100	*	*
Green Sunfish	NONE	1	100	2	100	1	100	*	*	1	100	*	*	*	*	*	*	*	*	*	*
Largemouth Bass	NONE	*	*	1	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Northern Pike	NONE	2	100	*	*	1	100	1	100	*	*	1	100	*	*	5	100	6	100	*	*
Pumpkinseed	NONE	*	*	1	100	3	100	2	100	*	*	*	*	*	*	*	*	*	*	*	*
Rock Bass	NONE	*	*	4	100	1	100	*	*	*	*	1	100	*	*	*	*	*	*	*	*
Smallmouth Bass	NONE	*	*	1	100	2	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Walleye	NONE	8	100	26	100	4	100	12	100	4	100	2	100	*	*	*	*	*	*	*	*
White Bass	NONE	4	100	1	100	*	*	8	100	*	*	*	*	*	*	*	*	*	*	*	*
Yellow Perch	NONE	25	100	63	100	41	100	28	100	2	100	59	100	32	100	144	100	115	100	*	*

DATA TABLE NOT AVAILABLE

DATA TABLE NOT AVAILABLE