

On May 6, 2021, the MDNR crew electrofished two sites, one on the main lake side of the island and one in Ford Cove (Figure 1). Each site was electrofished for two 10 minute transects, in a manner which would allow for a third transect to be added into the fall sampling. During each 10 minute transect, all fish species were collected. This will allow for comparisons among the other fall electrofishing sites surveyed by the MDNR when only muskellunge are targeted for 10 minutes, as well as between the spring and fall seasons for project monitoring. Electrofishing was conducted with one boat driver and two netters. Dip net mesh size was 3/16" Delta. The range of depth sampled was 3-6 feet. Tables 1-3 provide catch summary information for these efforts.



Figure 1. Electrofishing transects surveyed for part of the Ford Cove habitat project.

Table 1. Catch summary for both sites combined (inside Ford Cove and lake side of the island) which totaled 40 minutes of electrofishing among four transects.

Species	Total Caught	Length range (in.)	Average length (in.)	CPUE (fish/minute electrofishing)
Black Redhorse	1	6	6.0	0.03
Bluntnose Minnow	26	1-3	2.2	0.65
Brook Silverside	2	2	2.5	0.05
Common Carp	4	24-28	26.0	0.10
Emerald Shiner	115	1-4	2.3	2.88
Largemouth Bass	60	4-16	10.7	1.50
Mimic Shiner	7	2	2.5	0.18
Northern Pike	2	20-25	23.0	0.05
Quillback	4	19-20	19.5	0.10
Rock Bass	1	2	2.5	0.03
Round Goby	1	3	3.5	0.03
Spotfin Shiner	1	2	2.5	0.03
Spottail Shiner	719	2-4	3.5	17.98
Walleye	1	14	14.5	0.03
White Sucker	1	9	9.5	0.03
Yellow Perch	34	3-9	5.4	0.85
Overall	979			24.48
Species count	16			

Table 2. Catch summary for the site outside of the cove, lake side of the island, which totaled 20 minutes of electrofishing between two transects.

Species	Total Caught	Length range (in.)	Average length (in.)	CPUE (fish/minute electrofishing)
Bluntnose Minnow	7	2-3	2.1	0.35
Common Carp	1	26	26.5	0.05
Emerald Shiner	4	2-3	2.5	0.2
Largemouth Bass	9	4-12	5.7	0.45
Northern Pike	1	20	20.5	0.05
Quillback	4	19-20	19.5	0.2
Round Goby	1	3	3.5	0.05
Spottail Shiner	575	2-4	3.5	28.75
Yellow Perch	6	3-7	5.0	0.3
Overall	608			30.4
Species count	9			

Table 2. Catch summary for the site inside Ford Cove, which totaled 20 minutes of electrofishing between two transects.

Species	Total Caught	Length range (in.)	Average length (in.)	CPUE (fish/minute electrofishing)
Black Redhorse	1	6	6.5	0.05
Bluntnose Minnow	19	1-3	2.3	0.95
Brook Silverside	2	2	2.5	0.1
Common Carp	3	24-28	26.0	0.15
Emerald Shiner	111	1-4	2.3	5.55
Largemouth Bass	51	4-16	11.6	2.55
Mimic Shiner	7	2	2.5	0.35
Northern Pike	1	25	25.5	0.05
Rock Bass	1	2	2.5	0.05
Spotfin Shiner	1	2	2.5	0.05
Spottail Shiner	144	2-4	3.5	7.2
Walleye	1	14	14.5	0.05
White Sucker	1	9	9.5	0.05
Yellow Perch	28	3-9	5.5	1.4
Overall	371			18.55
Species count	14			