

On November 3, 2021, the MDNR crew electrofished two sites, one on the main lake side of Bird Island and in Ford Cove (Figure 1). Each site was electrofished for a total of 30 minutes. All species were collected during the first and last 10-minute section while just muskellunge were collected during the middle 10-minute section (Table 1). This allowed for consistency in methods among other sites along the Michigan shoreline of Lake St. Clair. The electrofishing effort is conducted by three crew members, one driving the boat and two on the front of the boat with dip nets capturing fish. Electrofishing efforts are conducted in the fall when lake water temperatures reach 50° F.



Figure 1. Electrofishing sites surveyed for pre-monitoring of the Ford Cove habitat enhancement project.

Table 1. Overall catch summary for electrofishing efforts at Ford Cove, collected as part of the MDNR nearshore fall electrofishing on Lake St. Clair. The total catch, catch per unit effort (CPUE) and length are identified for each species for the two sites (in Ford cove and lake side of Bird Island). CPUE is reported as number of fish per minute of electrofishing, while only factoring in the all-species portions of the efforts (except for muskellunge which is 30 min. of effort). Length is reported as a range (in centimeters) for each species followed by the average length in parentheses.

Species	Ford Cove Area					
	In Ford Cove			Lake side of Bird Island		
	Total caught	CPUE	Length (cm)	Total caught	CPUE	Length (cm)
Banded Killifish	1	0.05	4	0	0	NA
Black Bullhead	1	0.05	32	0	0	NA
Bluegill	5	0.25	3 - 23 (8.8)	1	0.05	11
Bluntnose minnow	26	1.3	4 - 10 (7)	0	0	NA
Brook silverside	4	0.2	4 - 6 (5)	0	0	NA
Common white sucker	1	0.05	29	0	0	NA
Emerald shiner	106	5.3	4 - 8 (6)	1	0.05	5
Gizzard shad	1	0.05	9	0	0	NA
Largemouth bass	88	4.4	9 - 48 (30.1)	14	0.7	7 - 46 (25.8)
Muskellunge	1	0.03	31	0	0	NA
Northern hogsucker	0	0	NA	1	0.05	25
Rock bass	2	0.1	4 - 15 (9.5)	6	0.3	4 - 18 (11.2)
Round goby	0	0	NA	1	0.05	8
Spotfin shiner	1	0.05	6	0	0	NA
Spottail shiner	1	0.05	6	0	0	NA
Spotted sucker	1	0.05	40	0	0	NA
Yellow perch	21	1.05	4 - 18 (9.6)	1	0.05	19
Total	260	13		25	1.25	
Species Count	15			7		