

Below is a catch summary from the MDNR electrofishing efforts at the Brandenburg Park site (Figure 1). The effort went through the whole project site and further, taking 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 for this program are conducted in the fall when lake water temperatures reach 50° F. This site will be compared with other sites nearby in the future and will remain as one of the index sites for this fall effort into the future.



Figure 1. Site location for the Brandenburg Park electrofishing site on Lake St. Clair.

Table 1. Overall catch summary for electrofishing efforts at the Brandenburg Park site, collected as part of the MDNR nearshore fall electrofishing on Lake St. Clair. The total catch and catch per unit effort (CPUE) are identified for each species for the four years of sampling (2019-2022) for this site. CPUE is reported as number of fish per 10 minutes of electrofishing, while only factoring in the all-species portions of the efforts.

Species	Year							
	2019		2020		2021		2022	
	Total caught	CPUE	Total caught	CPUE	Total caught	CPUE	Total caught	CPUE
Black Bullhead	0	0	0	0	0	0	1	0.5
Bluegill	0	0	2	1	0	0	2	1
Bluntnose Minnow	1	0.5	0	0	0	0	0	0
Brook Silverside	62	31	2	1	46	23	4	2
Common Carp	4	2	12	6	10	5	0	0
Emerald Shiner	4	2	0	0	16	8	8	4
Freshwater Drum	1	0.5	0	0	0	0	2	1
Gizzard Shad	6	3	6	3	152	76	2	1
Golden Shiner	0	0	0	0	1	0.5	1	0.5
Goldfish	0	0	0	0	0	0	3	1.5
Green Sunfish	0	0	0	0	1	0.5	0	0
Largemouth Bass	5	2.5	3	1.5	9	4.5	4	2
Northern Redhorse	0	0	0	0	0	0	1	0.5
Rock Bass	0	0	0	0	5	2.5	1	0.5
Silver Redhorse	0	0	0	0	0	0	1	0.5
Spotfin Shiner	0	0	0	0	0	0	7	3.5
Spottail Shiner	0	0	0	0	0	0	2	1
Spotted Sucker	0	0	0	0	0	0	1	0.5
Walleye	0	0	0	0	1	0.5	0	0
White Crappie	1	0.5	1	0.5	0	0	2	1
Yellow Perch	50	25	1	0.5	5	2.5	5	2.5
Total	134	67	27	13.5	246	123	46	23
Species Count	9		7		10		17	