

Cooperative Lakes Monitoring Program

Parameter	Projected Budget							Equipment Required	Frequency/Effort	People Req.
	2019	2020	2021	2022	2023	2024	2024			
Secchi Disk Transparency	\$ 30	\$ 30	\$ 35	\$ 35	\$ 40	\$ 40	\$ 40	Disk - Judy Warner's	Weekly/Biweekly May-Sept	1-2
Spring Total Phosphorus	\$ 60	\$ 60	\$ 65	\$ 65	\$ 70	\$ 70	\$ 70	DEQ Sample bottles	Once in Spring - 2 basins	1-2
Summer Total Phosphorus	\$ 60	\$ 60	\$ 65	\$ 65	\$ 70	\$ 70	\$ 70	DEQ Sample bottles	Once in Summer - 2 basins	1-2
Chlorophyll		\$ 100	\$ 75	\$ 75	\$ 80	\$ 80	\$ 80	Sampler, Filters, Vials	Once/Month May-Sept	1-2
Dissolved Oxygen & Temp Profile		\$ 60	\$ 65	\$ 65	\$ 70	\$ 70	\$ 70	Shared DEQ Meter	2 Per Month - May-Sept	2
Aquatic Plant Mapping		\$ 250	\$ 35	\$ 35	\$ 40	\$ 40	\$ 40	Aquatic Rake	Staff Biologist 1st Year	Multiple
	\$ 150.00	\$ 560.00	\$ 340.00	\$ 340.00	\$ 370.00	\$ 370.00	\$ 370.00			

Notes:

- 1.) Must attend MLSA Annual Conference/Training Session for Chlorophyll, DO, and Aquatic Plant Mapping enrollment
- 2.) Assumed that we would initially test the main basin and the "cove" for Secchi & Phosphorus. Temp/DO year both basins year 2
- 3.) Aquatic Plant Mapping in 2020 includes training/visit from a Staff biologist (\$250). Core group of "samplers" should attend.
- 4.) Costs above do not include BWLA's membership in the Michigan Lake Stewardship Association. Membership is not required to participate. Annual dues = \$250 est.