



Pearl Lake EWM Removal Report 2020

PO Box 1134 Minocqua, WI 54548

Pearl Lake EWM Manual Removal Summary 2020

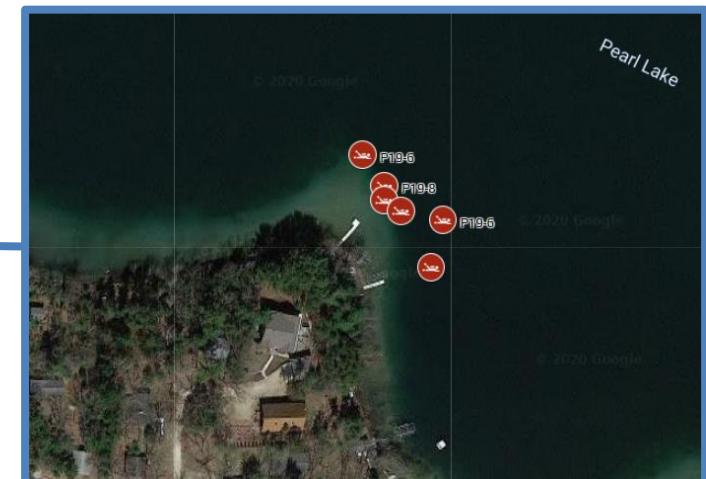
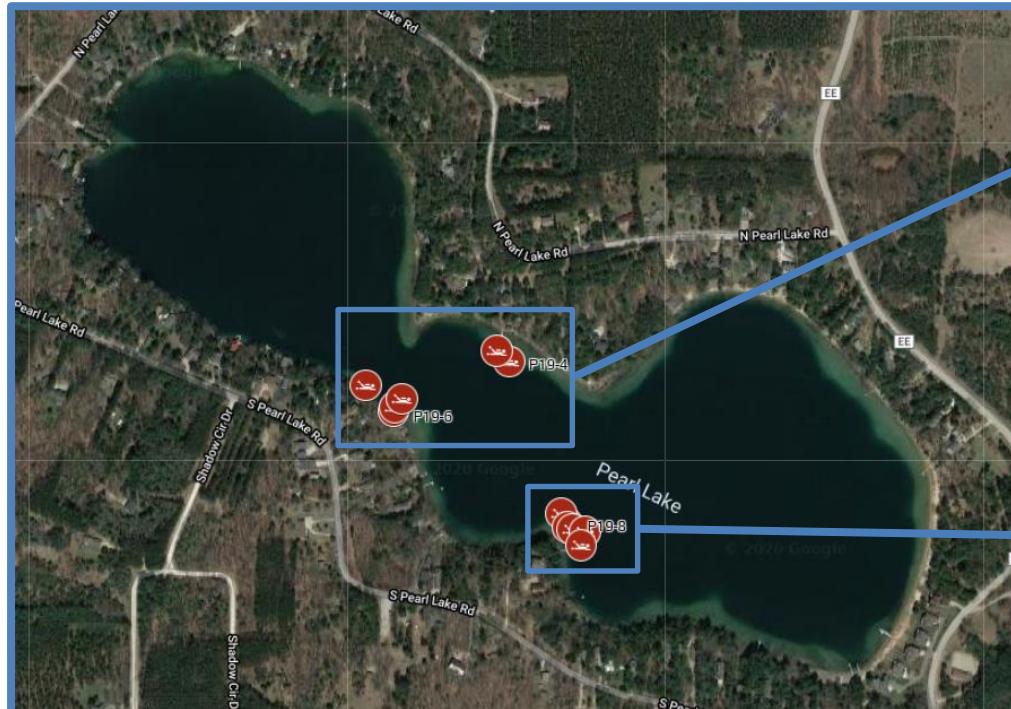
Background: On June 29th and 30th and July 27th, Aquatic Plant Management LLC (APM) conducted Diver Assisted Suction Harvesting (DASH) for Eurasian Watermilfoil (EWM) on Pearl Lake in Waushara County, WI. The team focused their efforts at three sites prioritized by the lake district for manual removal. In total APM was able to remove **18.0 cubic feet of EWM** from Pearl Lake

Date:	Weather Conditions	Water Temp (F)	Underwater Dive Time (hrs)	AIS Removed (cubic ft)
6/29/2020	Thunderstorms	77	1.9	6.5
6/30/2020	Sunny	77	2.7	1.5
7/27/2020	Partly Cloudy	83	6.3	10.0
Grand Total		81	10.9	18.0

Dive Location	Avg. Water Depth	# of Dives	Underwater Dive Time (hrs)	AIS Removed (cubic ft)
P19-4	12.8	2	3.1	9.5
P19-8	11.3	4	3.5	4.5
P19-6	12.7	6	4.3	4.0
Grand Total	12.2	12	10.9	18.0

Recommendations: DASH seems to be effective at targeting the denser colonies of EWM. Continued monitoring and management efforts are important to prevent the spread of EWM throughout Pearl Lake.

Map of Pearl Lake Dive Sites



Detailed Diving Activities

Date	Dive Location	Latitude	Longitude	Underwater Dive Time (hrs)	AIS Removed (cubic ft)	AIS Density	Avg Water Depth (ft)	Native Species	Substrate Type
6/29/2020	P19-8	44.08820	-89.12033	1.17	2.5	Clumps	9.0	Wild Celery	Organic
6/29/2020	P19-8	44.08682	-89.11731	0.75	4.0	Scattered	9.5	None	Organic
6/30/2020	P19-6	44.08693	-89.11742	1.00	1.0	Single or Few	11.0	Elodea	Organic
6/30/2020	P19-6	44.08677	-89.11731	0.50	0.5	Single or Few	12.0	None	Organic
6/30/2020	P19-8	44.08825	-89.12030	1.17	0.0	Single or Few	11.0	None	Organic
7/27/2020	P19-4	44.08882	-89.11833	2.00	8.5	Small Plant Colony	15.0	Coontail	Organic
7/27/2020	P19-8	44.08835	-89.12018	0.75	0.0	None	15.0	Pondweeds	Organic
7/27/2020	P19-6	44.08673	-89.11723	0.58	0.0	Single or Few	14.0	Coontail	Organic
7/27/2020	P19-4	44.08896	-89.11855	1.08	1.0	Single or Few	10.5	Coontail	Organic
7/27/2020	P19-6	44.08670	-89.11702	0.58	0.0	None	15.0	Pondweeds	Organic
7/27/2020	P19-8	44.08853	-89.12079	0.83	0.5	Small Plant Colony	9.5	Coontail	Organic/Sand
7/27/2020	P19-6	44.08653	-89.11708	0.50	0.0	Single or Few	15.0	Pondweeds	Organic/Sand