



Sunset Lake EWM Removal Report 2024

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Sunset Lake EWM Removal Summary

Dive Background: In August, Aquatic Plant Management LLC (APM) conducted five (5) days of Diver Assisted Suction Harvesting for Eurasian Watermilfoil (EWM) on Sunset Lake in Portage County, WI. The team focused their efforts at 4 sites as prioritized by the Sunset Lake Association. In total APM was able to remove **192.0 cubic feet of EWM** from Sunset Lake.

Dive Results by Day

Date	Weather Conditions	Water Temp (F)	Underwater Dive Time (hrs)	AIS Removed (cubic ft)
8/5/2024	Periods of rain	78	6.2	49.5
8/6/2024	Sunny	75	6.3	38.0
8/7/2024	Sunny	75	6.6	36.5
8/8/2024	Periods of rain	72	6.4	24.0
8/9/2024	Cloudy	75	6.3	44.0
Grand Total			31.8	192.0



Dive Results by Site

Dive Location	Avg. Water Depth	# of Dives	Underwater Dive Time	AIS Removed (cubic feet)
A-24	9.6	8	11.0	75.0
B-24	13.6	5	8.8	51.5
C-24	12.5	3	6.3	44.0
F-24	6.5	3	5.6	21.5
Grand Total	10.6	19	31.8	192.0

Dive Highlights and Recommendations: The dive team started at the highest priority site (A-24), before shifting to the second highest priority site B-24. The EWM at B-24 was the dominant species throughout the colony and was categorized as “highly dominant” in multiple areas. Next, the team shifted to F-24 and C-24. Overall, Sunset Lake should continue to take an Integrated Pest Management (IPM) approach and evaluate different strategies to manage the EWM population on the lake. Continued monitoring and management efforts are important to prevent the spread of EWM throughout Sunset Lake.

Map of Sunset 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	Native By-Catch	Substrate Type
8/5/2024	A-24	44.54614	-89.27363	1.25	8.5	Small Plant Colony	8.0	Charophytes	2.5	Organic/Sand
8/5/2024	A-24	44.54607	-89.27359	2.00	19.0	Small Plant Colony	8.0	Charophytes	2.5	Organic/Sand
8/5/2024	A-24	44.54603	-89.27357	2.17	14.5	Small Plant Colony	8.5	Charophytes	0.5	Organic
8/5/2024	A-24	44.54605	-89.27359	0.75	7.5	Small Plant Colony	10.0	None	0.0	Organic
8/6/2024	A-24	44.54602	-89.27343	1.75	8.0	Small Plant Colony	10.0	Charophytes	1.0	Organic
8/6/2024	A-24	44.54600	-89.27335	1.50	9.0	Small Plant Colony	10.0	Charophytes	0.5	Organic
8/6/2024	A-24	44.54600	-89.27335	1.00	6.0	Small Plant Colony	10.0	None	0.0	Organic/Sand
8/6/2024	A-24	44.54595	-89.27336	0.58	2.5	Scattered	12.0	None	0.0	Organic/Sand
8/6/2024	B-24	44.54518	-89.27309	1.42	12.5	Highly Dominant	12.0	Coontail	0.5	Organic
8/7/2024	B-24	44.54523	-89.27306	2.67	12.0	Dominant	14.0	None	0.0	Organic
8/7/2024	B-24	44.54517	-89.27308	2.58	12.5	Dominant	14.0	Pondweeds	0.5	Organic
8/7/2024	B-24	44.54517	-89.27308	1.33	12.0	Dominant	14.0	None	0.0	Organic
8/8/2024	B-24	44.54509	-89.27304	0.83	2.5	Dominant	14.0	None	0.0	Organic
8/8/2024	F-24	44.54589	-89.27963	2.42	10.5	Scattered	6.5	Charophytes	5.0	Organic
8/8/2024	F-24	44.54598	-89.27952	2.17	6.5	Clumps	6.5	Charophytes	2.5	Organic
8/8/2024	F-24	44.54605	-89.27934	1.00	4.5	Scattered	6.5	Charophytes	1.0	Organic
8/9/2024	C-24	44.54164	-89.27902	3.42	21.0	Dominant	11.0	Charophytes	5.5	Organic
8/9/2024	C-24	44.54164	-89.27902	1.33	8.5	Clumps	14.0	Charophytes	0.5	Organic
8/9/2024	C-24	44.54169	-89.27924	1.58	14.5	Small Plant Colony	12.5	Charophytes	5.0	Organic
Total	19			31.75	192.0					