

Osprey Lake EWM Management Maps – 2020 & 2021



Figure 1: 2020 EWM herbicide treatment – 6 areas totaling 3.24 acres using granular Renovate Max G (triclopyr and 2,4-D mix). This treatment was not guided by LEAPS.

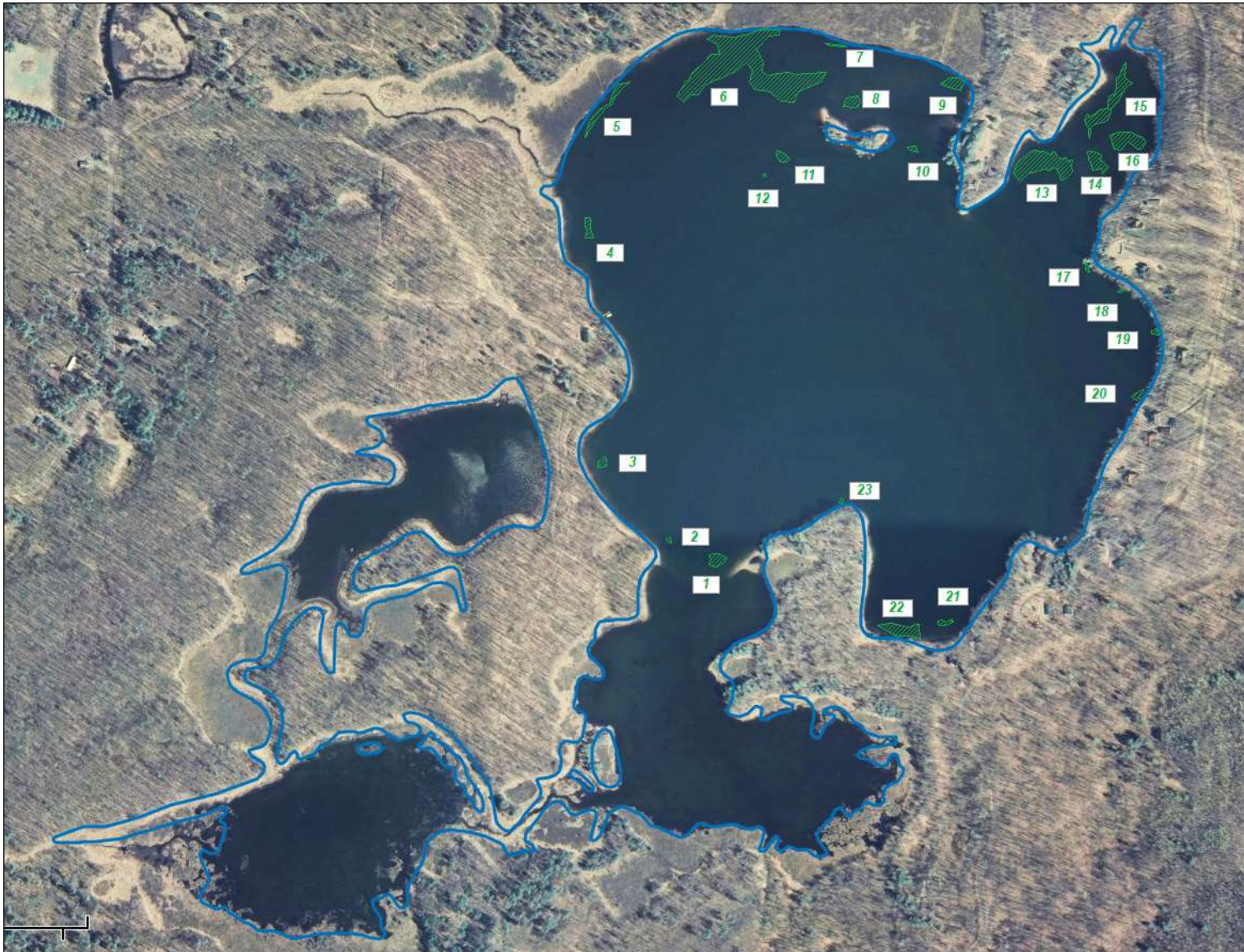


Figure 2: 2020 late season EWM bedmapping completed by Matt Berg, ERS. 23 areas totaling 4.26 acres

**Table 1: Late Summer Eurasian Water-milfoil Bed Mapping Summary
Osprey Lake, Sawyer County
September 5, 2020**

Bed/HDA Number	2020 Acreage	Rake Range and Mean Rake Fullness	Depth Range and Mean Depth	Canopied	Navigation Impairment	2020 Field Notes
Bed 1	0.09	<1-3; 2	7-9; 8	Yes	Minor	Prop-clipped – likely reseeded north bays.
Bed 2	0.01	1-3; 3	7-10; 8	Yes	Minor	Dense microbed
Bed 3	0.04	1-3; 3	8-10; 9	Near	Minor	Dense microbed – actively fragmenting
Bed 4	0.06	<<1-2; 1	8-10; 9	Near	Minor	Open reestablishing bed
HDA 5	0.13	<<1-2; <1	3-5; 4	No	None	EWM peppered throughout – mixed with natives
Bed 6	2.10	<<1-3; 1	3-10; 8	Near	Minor	Variable density – low density near shore/dense deeper
Bed 7	0.01	<<1-1; 1	3-4; 3	Near	None	Narrow strip of young plants
HDA 8	0.08	<<1-1; <1	3-4; 4	Near	None	Open cluster of sickly plants over marl
Bed 9	0.10	<<1-1; 1	2-4; 3	Near	Minor	Super cluster of low density plants in shallow water
Bed 10	0.02	1-3; 1	6-8; 7	Near	Minor	Dense microbed with satellite plants radiating out
Bed 11	0.05	1-3; 3	8-9; 9	Near	Minor	Dense microbed
Bed 12	<0.01	1-2; 1	8-10; 9	No	None	Young deepwater microbed – plants only 3ft tall
Bed 13	0.55	<<1-3; 2	5-10; 8	Near	Minor	Fragments ever where – many plants prop-clipped
Bed 14	0.14	<<1-3; 2	6-8; 7	Near	Minor	Expanding bed on all borders
Bed 15	0.35	<<1-3; 1	5-8; 7	Near	Minor	Open bed with scattered dense clusters
Bed 16	0.24	<<1-1; 1	4-6; 5	Near	Minor	Open bed with regular young plants
Bed 17	0.01	1-2; 1	8-10; 9	No	None	Deepwater microbed – plants just a few feet tall
Bed 18	0.01	<1-2; 1	4-10; 8	Near	None	Open microbed in deep water
Bed 19	0.01	<<1-1; 1	4-10; 8	Near	None	Open microbed in deep water
Bed 20	0.03	<1-2; 2	6-10; 8	Near	Minor	Small dense microbed
Bed 21	0.03	<<1-2; 1	7-9; 8	No	None	Reestablishing bed – most plants just a few feet tall
Bed 22	0.20	<<1-1; 1	4-9; 7	No	None	Reestablishing bed – most plants just a few feet tall
Bed 23	0.01	1-3; 2	5-8; 7	Near	None	Moderately dense microbed on uninhabited point
Total	4.26					

*Matt Berg's Full Report of the 2020 late season EWM bedmapping report is included with this document.



**Figure 3: 2021 proposed EWM chemical treatment using Shredder Amine 4 (liquid 2,4-D based) on NEBay-21; and ProcellaCOR Southside-21.
Total chemical treatment =4.0 acres**



Figure 4: 2021 proposed chemical treatment of EWM over the 2020 late season bedmapping results

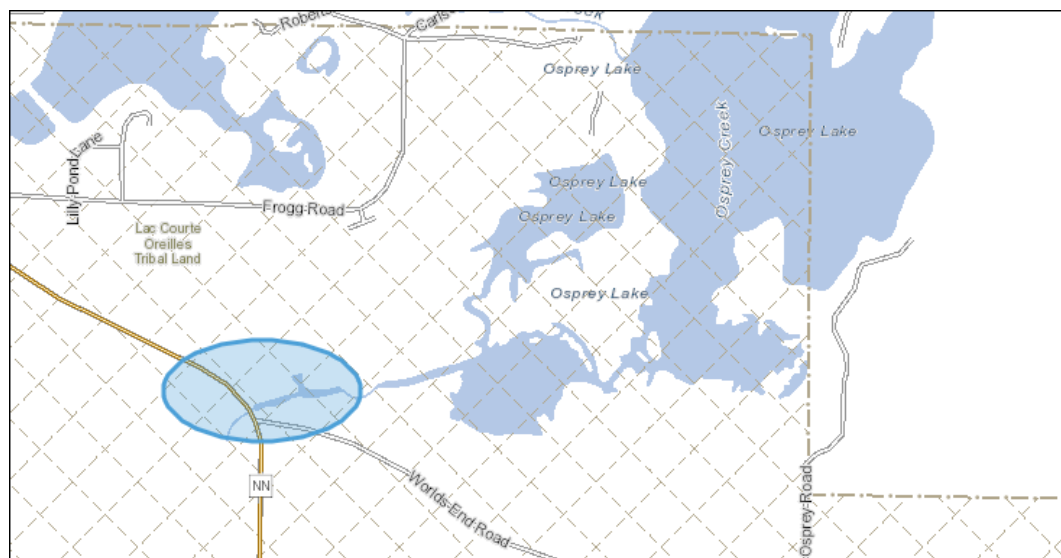
Wild Rice – Osprey Lake and Osprey (Squaw Creek)

From the GLIFWC 2010 Ceded Territory Manoomin Inventory Report. No photo was provided.

230. Osprey Creek (WBIC 5508925)(no photo available).

A small rice bed exists just upstream of where this stream crosses CTY NN. However, the culvert under NN is apparently set too high, and is acting as a dam, and possibly creating the backwaters where the rice is found. This culvert is slated to be lowered, thus this site should be surveyed in the future to determine whether the rice persists or not. (This creek is named Squaw Lake Creek on older maps.) Watch status is medium because of possible loss of bed.

Prior to putting together a treatment proposal, I looked up the location of the wild rice in Osprey Creek. It is downstream of the “bay” that is furthest west. It is a small stream segment. The GLIFWC GIS site is currently “down” and the WDNR surface water data viewer doesn’t show it. I did find it at one time though.



Whole Bay Concentrations

If I did the calculations correctly, the expected whole bay concentration would be between 1.41 and 1.50 ppm.

2021 Osprey Lake Preliminary Spring EWM Treatment Proposal (3/6/2021)								
New Name	Bed Number	Acres	Mean Depth (feet)	Acre-feet	Treatment a.i. ppm	Application rate (gal/acre-foot)	Shredder Amine 4 gal/acre-ft	2021 Treatment Notes
NE Bay	Beds13-16	3.50	6.75	23.63	4.0	67.10	2.84	
2021 Estimated Osprey Lake ProcellaCOR Treatment Costs 03/06/2021								
New Name	ERS Bed Number	Acres	Mean Depth (feet)	Acre-feet	Treatment PDU/acft	PDU Application	Pre/Post Treatment Points	2021 Treatment Notes
South Central Area	Bed1	0.50	8.00	4.00	6.0	24.00	NA	
		Target 2,4-D a.i. (ppm)	Shredder Amine 4 (liquid) gal/ac-ft		Shredder Amine 4 (liquid)		ProcellaCOR	
		1	0.4		67.10		24	
		1.25	0.75		\$40.00/gal		\$70/PDU	
	Whole Bay	1.50	1.07		\$2,684.00		\$1,680.00	
		2.00	1.42					
		2.50	1.78			TOTAL	\$4,364.00	
		3.00	2.13					
		3.50	2.49					
	Proposed	4.00	2.84					
	Surface Area	Mean Depth	Acre-feet	Treatment(ppm)	Gal/acre-foot	Gallons Applied		
	2021 Proposed Treatment	3.50	6.75	23.63	4	2.84	67.1	
	Whole Bay	10.00	6.20	62	1.5	1.08	67.1	
Whole Bay Concentration (EWM)								
Total Acreage = 10.0ac		Average Depth = 6.2ft			Acre-Feet = 67.5			
Proposed Concentration = 4.0ppm		Ratio	x/4.0 = 23.63/67.1					
		(4.0*23.63)/67.1 = 1.41 ppm						