VOYAGEUR LAKE SUMMARY AND CONCLUSIONS

The treatment on Voyageur Lake was very successful. No EWM was found at three of the four sites after the treatment (Maps 3 & 13). Figure 12 shows that of the six locations that contained EWM before the treatment, none of the rake tows had EWM after the treatment (Figure 12). Based upon the qualitative method of evaluating success, the 2008 treatments were shown to be effective on Voyageur Lake (Table 4). Quantitative methods of evaluating success are not applicable due to insufficient sample sizes in the small treatment areas (Table 4). One site remains for treatment in 2009, but has decreased in size (Voy-A-09, Map 13).

There was not a *significant* change in the native plants from 2007 to 2008 in Voyageur Lake. Because the 2008 treatment areas within Voyageur Lake were relatively small, they contained a low number of sub-sample monitoring points within them. Due to the small sample size, it is difficult to determine if observed changes are statistically significant. Therefore, a figure displaying this information is not included.

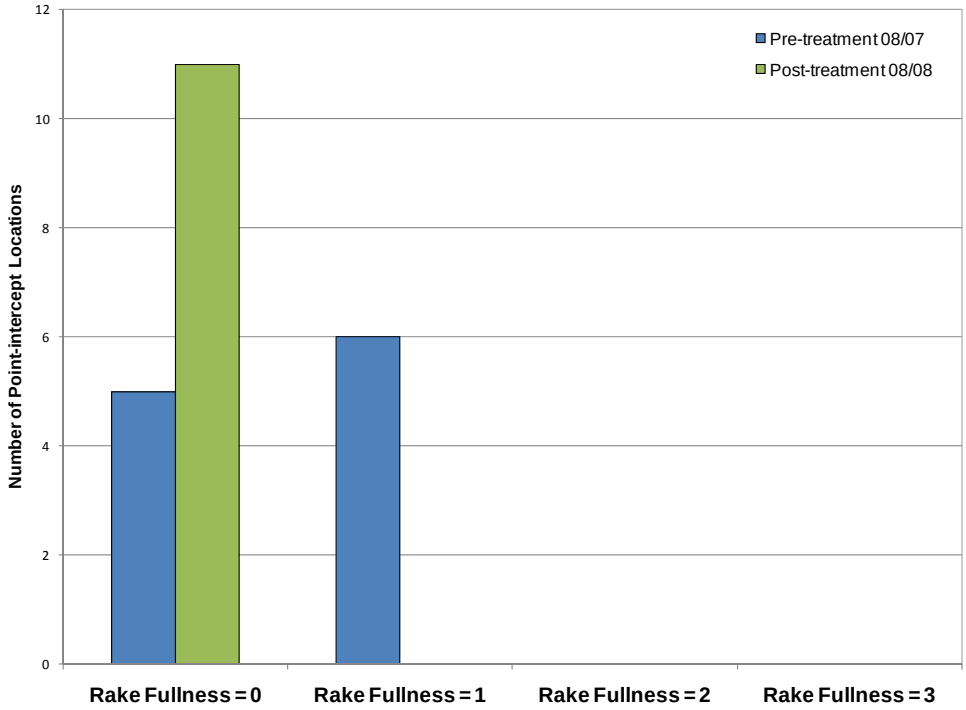


Figure 12. EWM rake fullness distribution within treated areas on Voyageur Lake.

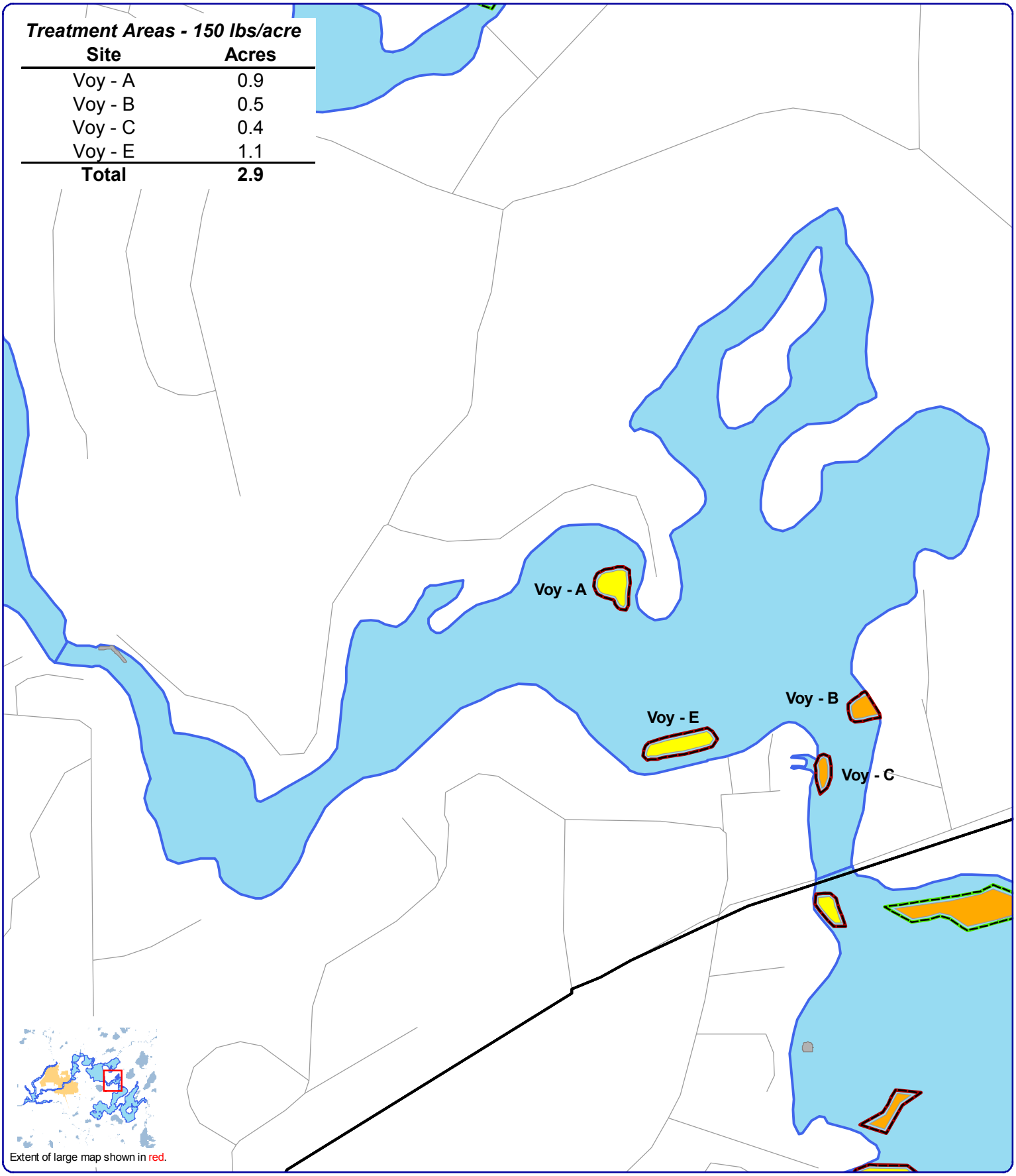
Table 4. Evaluation of 2008 EWM treatment on Voyageur Lake following success criteria standards. N= Number of point-intercept sub-sample locations.

			EWM Occurrence			EWM Density			
Site	Acres	Dose	N	% Change	Criteria Met	Before	After	Criteria Met	Notes
Voy - A	0.9	150	4	100.0	ISS	D=1	D=1 & Single	Yes	Only small EWM colony was observed within '08 TA.
Voy - B	0.5	150	1	100.0	ISS	D=2	None	Yes	
Voy - C	0.4	150	1	100.0	ISS	D=2	None	Yes	
Voy - E	1.1	150	4	100.0	ISS	D=1	None	Yes	

ISS = Insuficient Sample Size

Treatment Areas - 150 lbs/acre

Site	Acres
Voy - A	0.9
Voy - B	0.5
Voy - C	0.4
Voy - E	1.1
Total	**2.9**



Extent of large map shown in red.

N
W E
S

750
Feet

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Source:
Roads & Hydro: WDNR
Aquatic Plants: Onterra, 2008
Map Date: December 31, 2008
File Name: ERC_2008Treat_Voy.mxd

Legend

2007 EWM Colonies
- Highly Scattered *(none found)*
- Scattered *(none found)*
- Dominant
- Highly Dominant
- Surface Matting *(none found)*

2008 Treatment Areas
- Proposed Treatment Area (150 lbs/acre)
- Proposed Treatment Area (100 lbs/acre)

Map 3

Voyageur Lake

Vilas County, Wisconsin

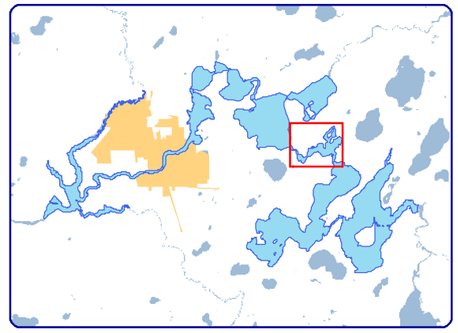
2008 EWM Final Treatment Areas

Appendix A

Voyageur Lake

Vilas County, Wisconsin

2008 Eurasian Water Milfoil Treatment Point-Intercept Monitoring Locations



Extent of large map shown in red.

Voy - A
603 604
601 602

Voy - B
600

Voy - E
598 599
596 597

Voy - C
595

594

110 111 111
106 107 108

Legend

\# EWM Point-Intercept Location

2008 Treatment Area

N
W E
S

475

Feet

Sources:
Roads & Hydro: WDNR
Bathymetry: WDNR - Digitized by Onterra
Aquatic Plant Data: Onterra, 2008

Map Date: December 30, 2008

File Name: ERC_Cat_south_EWM_Treat_T08_PI.mxd

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