

North and South Twin Lakes Riparian Association

Board Meeting

via Telecon: February 28, 2017

Attendees: Robert Ganser, President; Robert Bailey, Vice-President; Joseph Wallace, Jay Wittman, Amy Peplow, Peter Gloede, Michael Wade

Meeting was called to order at 9:10 AM

Jay presented the results of his and Onterra, LLC's review and recommendations for the treatment in North Twin Lake for EWM in 2017. Their reviews concluded that a mixture of 2, 4-D and Endothall herbicides should be applied in the approximately 25 acres near the island. After discussion the following motion was made by Joseph Wallace, 2nd by Peter Gloede:

"An application of the herbicides 2, 4-D and Endothall should be used and applied to the approximately 25 acres of EWM identified by Onterra, LLC, near the island in North Twin."

The motion was carried unanimously.

Jay then outlined his receipt of three company's bids to apply said herbicides. He and Onterra, LLC recommend that the company Clean Lakes (CL), based in Oakwood Hills, Illinois, be accepted as the applicator. CL has a very good relationship with the Wisconsin DNR and has been in business many years. After discussion the following motion was made by Jay Wittman, 2nd by Joseph Wallace:

"The company Clean Lakes (CL) should be contracted to apply said herbicides previously decided upon."

The motion was carried unanimously.

All applicators who made a bid to apply the herbicides will be contacted shortly. CL should be submitting their contract paperwork to the NSTLRA within a week. Jay will receive it and pass it along to the appropriate parties and individuals.

Jay stated that Onterra has been testing the waters under the ice in both South and North Twin lakes during the winter as part of the monitoring process.

Michael Wade did a short update on the Lake District process.

The meeting was adjourned at 9:57 by Roger Ganser.

[Below is the due diligence done by Jay Whittman that the Board reviewed,
and the map of North Twin EWM areas created by Onterra, LLC]

February 23, 2017

After hearing from most of you we are going to have a BOD teleconference next Tuesday, February 28, 2017 at 9:00 am CST. Joe will be providing a conference call in # in the next day.

In the past month I have had multiple phone conversations with Eddie Heath from Onterra as well as 3 applicators which were sent proposals for bid based on criteria identified primarily by Onterra.(Proposal attached) Now we need to make some decisions in order to have proper time to get DNR permitting and be ready for treatment as early as late April should the warm spring continue.

Purpose of the meeting is twofold;

1) Select a herbicide methodology for treatment of N Twin (3 spots) as identified by Onterra in their mapping from 2016. We evaluated several methods as suggested by Onterra with focus to maximize efficacy of treatment given the fact that the N twin treatment is not a whole lake treatment as was S Twin last year. Thus, effectiveness is more challenging when treating approximately 25 acres of a 3000 acre lake where you have some impact of rapid dispersal of the herbicide. After consideration and discussion with Eddie Heath, he and I both recommend a treatment of 2, 4-D with Endothall. These 2 herbicides are applied at the same time and have had better results in spot treatments such as we will have this year on N Twin vs a treatment of only 2, 4-D. The other option was a herbicide called Aquastrike which includes the chemical Diquate. While having effective results the DNR has concerns it is too aggressive on native plants and we may risk obtaining a permit if we use this herbicide.

Request approval of 2, 4-D and Endothall for the 3 locations as identified on the attached map by Onterra

2) Three applicators were provided a detailed proposal to complete. The economic cost of each is shown below and I feel should not be a factor in our decision since all 3 bids are within \$1500. These bids do exceed our original grant budget of \$24,600 however, since the treatment last year actual cost was well under budget we will not have an issue with the overall cost as it relates to budget and our grant. Bids are:

	CL	WLPR	SAPC		CL	WLPR	SAPC
DMA IV	\$25,392.74	\$11,046.09	\$10,130.40	Alligare		\$8,661.81	\$8,127.00
Aquathol K		\$16,601.32	\$17,441.80	Aquathol K		\$16,601.32	\$17,441.80
Labor	\$3,075.00	\$2,214.00	\$2,750.00	Labor		\$2,214.00	\$2,750.00
Mobilization	\$984.00	\$800.00	\$350.00	Mobilization		\$800.00	\$350.00
Permit Preparation		\$250.00	-	Permit Preparation		\$250.00	-
	\$29,451.74	\$30,911.41	\$30,672.20		\$0.00	\$28,527.13	\$28,668.80

After discussion with Eddie and multiple discussions with each potential applicator I will share a few comments on each vs forwarding each of the 3 proposals which I feel would provide you with little value.

- CL - Clean Lakes. They provided by far the most complete and professional proposal. They will provide dual application of both chemicals, be very flexible with date of treatment when wind conditions are < 7 mph. They are based in Chicago and have been in business for many years in both the Midwest as well as west coast. Eddie and I both feel they have the most update technology for treatment to get to root area of EWM to maximize effectiveness. V Good relationship with DNR.

- WLPR - Wisconsin Lakes and Ponds. They meet chemical and wind requirements and flexibility of timing. During proposal they had a change in our contact which I had minor concern over. They have many clients in WI. Proposal adequate but not as comprehensive as CL. V Good relationship with DNR.

- SAPC - Schmidts Aquatic - Least professional approach and owned by son who is taking over his father's business. Had concerns over ability to provide dual application. While the smallest outfit sometimes provides the best service I am concerned they have the depth and quality of service for hopefully a long term relationship. Thus I believe we should exclude this provider.

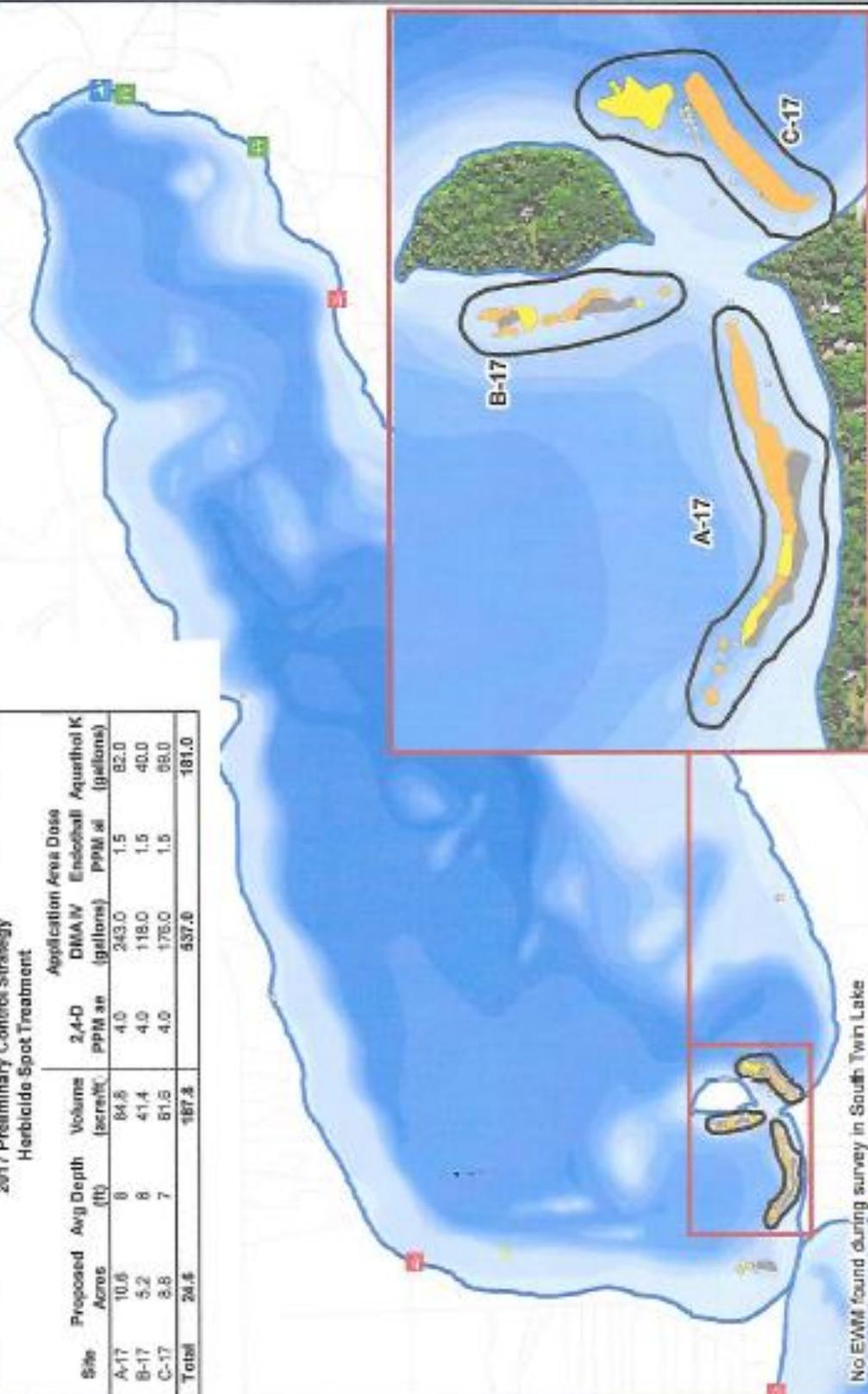
In my opinion and supported by Onterra, Clean Lakes is the most professional service with top notch equipment and they have assured me they will meet or exceed expectations in our proposal. Ironically, they are also the lowest cost which I see as a bonus. In my conversation with them they were bold in stating that they believe the DNR (including Kevin G our contact) view them as very competent if not the most competent applicator in WI. They were very impressive and I feel would be a great long term partner in our fight against EWM.

Request approval of Clean Lakes as our choice for applicator and to proceed engaging them and pursue DNR permit in order to treat the areas of N Twin per the attached map in the proposal doc .

Jay

2017 Preliminary Control Strategy
Herbicide Spot Treatment

Site	Proposed Acres	Avg Depth (ft)	Volume (acres/ft)	Application Area Dose		
				2,4-D PPM an	DMA IV (gallons)	Endosulfan Aqueithol K PPM al
A-17	10.6	8	84.8	4.0	243.0	1.5
B-17	5.2	8	41.4	4.0	118.0	1.5
C-17	3.8	7	26.6	4.0	178.0	1.5
Total	20.6		167.8		537.0	181.0



Map 3
North Twin Lake
Waukesha County, Wisconsin
2016 EWM Survey
Results & Preliminary
Control Strategy v1

Legend

- Highly Scattered (None)
- Scattered
- Dominant
- Highly Dominant
- Surface Matting (None)
- Single or Few Plants
- Clump of Plants
- Small Plant Colony

Scale: 0 1000 Feet

Onterra LLC
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Project Location in Wisconsin

Survey Dates: 10/16/16 - 10/28/16
Surveyed by: J. Smith, M. Smith, J. Smith
Data compiled 10/27/16
Approved by: J. Smith, 10/28/16
Map Date: 10/28/16 10:17 AM CDT