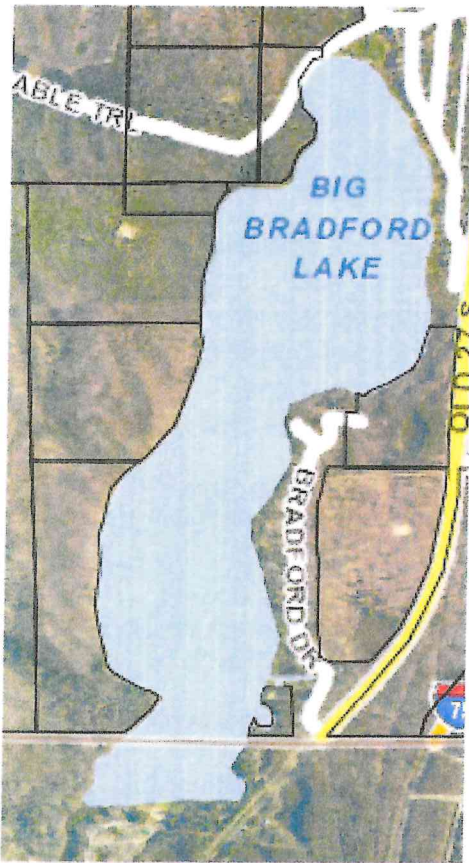


Otsego Lake Township



Big Bradford Lake Special Assessment District

January 2024 –
December 2033

For

Aquatic Weed Control

Otsego Lake Township
Big Bradford Lake
Special Assessment District
January 2024 – December 2033
For
Aquatic Weed Control
Designation of Special
Assessment District

DESIGNATION OF SPECIAL ASSESSMENT DISTRICT

The Otsego Lake Township Special Assessment District for Big Bradford Lake Aquatic Weed Control shall consist of all parcels in Otsego Lake Township with frontage on Big Bradford Lake.

The special assessment shall be assessed equally to all parcels lying wholly or partially within the above-defined Special Assessment District, provided that two or more contiguous parcels under common ownership shall be treated as one parcel for purposes of the assessment.

Otsego Lake Township
Big Bradford Lake
Special Assessment District
January 2024 – December 2033
For
Aquatic Weed Control
Estimate



Aquatic Nuisance Plant Control

NORTHERN DIVISION

3930 Perry Holt Rd., West Branch, MI 48661-9559 Phone: (989)345-7574
visit us at: www.aquaticnuisanceplantcontrol.com

Otsego Lake Twp.

Mr. Dave Matelski, Supervisor Covering the period of 2024 through 2033

C/O P.O. Box 99 (10584 South Old 27) Communication Preference: (check box(s) and complete)

Waters, MI 49797 ☒ Phone: (989)732-6929 ☒ Cell: ☐ E-Mail:

Aquatic Nuisance Plant Control/Northern Division hereby proposes an aquatic nuisance management program which includes the following:

See attached "ADDENDUM TO ORIGINAL CONTRACT FOR 2024" for outlined Management Plan and Annual Cost Table for details.

Aquatic Nuisance Plant Control/Northern Division hereinafter will be called the consultant and **Dave Matelski, Otsego Lake Twp. Supervisor** hereinafter will be called owner/representative who warrants they have control of the above said body of water to be treated.

MATERIALS/METHODS/SPECIAL CONCERNS

The consultant will furnish all labor and equipment, with materials utilized in this program being of the highest quality and used in the safest possible manner. All herbicides shall be registered for aquatic use with the Environmental Protection Agency (EPA) and this state. Applications will be performed in strict compliance with State/Federal regulations and will be conducted under the direct supervision of a state certified commercial applicator. **Treatment outcomes are not guaranteed as a result of water quality or unforeseen weather events. Every attempt will be made to make application outcomes as successful as possible.**

PROGRAM IMPLEMENTATION

The application of herbicides and/or other services shall be performed in a professional manner, using techniques and strategies which are most appropriate for the specific work involved. All work done and materials used shall comply with this agreement or if this agreement is amended, shall comply with this agreement as amended. The consultant will obtain and process all necessary permits from the appropriate state environmental and regulatory agencies. The consultant will post the immediate shoreline with notices on water restrictions as required. The contractor will be responsible for notifying all riparian users of implemented program being undertaken and water-use restrictions at least 7 days before the first (initial) treatment of each season.

INSURANCE

Consultant carries workman's compensation, public liability, and property damage. All will remain in full effect throughout the duration of the proposed program.

PAYMENT

_____ will pay the sum of see attached "ANNUAL COSTS TABLE ADDENDUM" to the consultant for the above outlined aquatic nuisance control program, with payment(s) made according to the following schedule:

A. **EGLE Permit Fee**** Due 3/01 ea. yr. B. **Base/Survey Fee** Due 4/01 ea. yr. C. **Trtmt cost balance** Due 30 days/treatment completion invoice ea yr..

****Annual non-refundable EGLE permit application fee of up to \$225.00 (or more if increased by EGLE/Permitting Agency) to be made payable to "State of Michigan". Contract can be suspended for a specified time frame or dissolved if both parties are in mutual agreement to do so.**

A service charge of 1.5% per month (annual rate of 18%) will be applied to past due balances. This shall become an agreement upon acceptance by the owner/representative. Please sign the original agreement form and return to our office by **October 1, 2023**. Any unforeseen change in state regulatory agency requirements, concerning the implementation of any part of this agreement, shall automatically nullify this agreement.

Date Submitted April 12, 2023

Ray Van Goethem, President

Date Accepted _____

Dave Metalski, Otsego Lake Twp. Supervisor
Owner/Representative(s)

Please **print** below a name and mailing address for invoicing purposes.

NOTE: The completed and signed original agreement must be forwarded to our office by due date before this program can be initiated. Questions about this program can be answered by calling (989) 345-7574.

CONTRACT ADDENDUM TO ORIGINAL CONTRACT FOR 2024 THROUGH 2033

OTSEGO LAKE TWP. - BIG BRADFORD LAKE EURASIAN MILFOIL TREATMENT PROGRAM

Management Plan

For each of the included ten years, a spring aquatic vegetation survey would be performed to determine the current growth status of Eurasian Milfoil species within Big Bradford Lake. Areas of growth would then be treated once in the late spring or early summer (June to July) each year using multiple "systemic" herbicides such as granular 2,4-D, Triclopyr, Florpyrauxifen-benzyl, or other compounds approved for use in the future. The rate of product application would be based on treatment location (water depth) and density of the plant growth. Application techniques would include the use of specially calibrated spreaders mounted on a specially designed application work boat. Global Positioning System (GPS) technology will be used for the precise location of areas to be treated. As an option, up to two water samples can be taken after the treatment during the summer in various locations if necessary to determine the lifting of the mandatory irrigation restrictions associated with the products applied. Sampling protocol would be based on the location of the areas treated, timing of the treatment, and the type of irrigation done by residents. Samples could be collected and sent under strict protocol and then analyzed by an accredited laboratory for any traces of the compound(s) in the sample. In the late summer or early fall, the treatment areas would be reviewed to determine the effectiveness of the treatment and to also survey the growth status of any remaining Milfoil. This information would then be used in planning for the following year's treatment. All treatment procedures and chemicals used are approved for use by the E.P.A., State of Michigan, and registered with the MI Dept. of Agriculture and Rural Development. All treatments would be performed using proper chemicals and rates according to the conditions of the annual EGLE permit. Based on the known spread of Milfoil, one can assume that individual areas will only need to be treated once per season. Deep Water application of product shall be used as sparingly as possible with shallow water applications shall be prioritized where feasible using granular 2,4-D and/or granular Triclopyr as part of the Milfoil management strategy.

Program Costs

The annual costs as noted 2024 Annual Cost Table may vary with defined treatment area of existing plants, additional area of treatment due to rate of infestation or spread of the plants, areas of re-treatment from previously treated areas in years past, and unforeseen product cost increases. Exact treatment areas will be modified based on the actual surveys performed each year. Additionally, granular Triclopyr and/or Florpyrauxifen-benzyl is anticipated to be applied where water well depths and/or locations are unknown or are less than 30' deep and are within 250' of a treatment area but no more than two seasons in a row in the same location using Florpyrauxifen-benzyl. These areas consisting of the east side of the lake may be treated with either or both compounds. Proposed treatment areas beyond 250' of any shallow well locations can be treated with granular 2,4-D outward into the lake and is an alternative and more cost-effective herbicide. This product may be applied within the "narrows" area and on the west side of the lake which is mostly non-residential. We have assumed that 2 water samples may be taken each year to

determine when any water-use irrigation restrictions can be lifted if using lake water within the treatment areas to irrigate broadleaf plants and vegetable gardens according to the product labels. The EGLE annual permit costs should remain constant at \$225.00 per year allowing up to 4.99 acres of treatment area each year, although fees could increase within the duration of this program. Mobilization/Consultation Fees are included as an annual cost including aquatic vegetation survey(s) to map and develop or update the specific plan each year based on real time areas of Milfoil growth within Otsego Lake Twp. portion of Big Bradford Lake only. Annual costs may be increased up 10% of the original 2024 treatment costs or up to \$88.00 due to current and unforeseen increasing economic inflation rates. **The combined annual costs may vary each year but are not to exceed the Otsego Lake Township Milfoil Assessment Account for Big Bradford Lake.**

Annual Cost Table

(costs may increase NO MORE than 10% of outlined 2024 costs or a maximum of \$88.00/yr)

	2024
Gran. 2,4-D (shallow water-2 ppm)	\$935.00/acre
Gran 2,4-D (deep water-3 ppm)	\$2,245.00/acre
Gran. Triclopyr (shallow water-2 ppm)	\$1669.00/acre
Gran. Triclopyr (deep water-2.5 ppm)	\$3,875.00/acre
Florpyrauxifen-benzyl (shallow water-up to 4 PDU's)	\$1,982.00/acre
Florpyrauxifen-benzyl (deep water-up to 4 PDU's)	\$2,052.00/acre
Up to (2) Water Samples/yr. (optional)	\$255.00/ sample
Base Fees (Incl. 2 surveys/yr)	\$3,865.00
Other Future EGLE Approved Products	(costs to be determined)
EGLE Permit Fees	\$225.00 (or more)

Additional Program Considerations

Our company would be responsible for the EGLE permit application submittal procedure each year and providing the Otsego Lake Twp. Board with an annual Treatment Season Summary Report. ANPC/Northern Division would be solely responsible for distributing the annual "Lake Treatment Notice" to residents within the established assessment district prior to the initial treatment and post yellow treatment signs around the shoreline areas notifying the residents prior to the treatments as required by law. Treatments would NOT be performed during 4th of July holiday periods or in inclement weather conditions and only during daylight hours.

Full liability and additional insurance coverage would remain in place throughout the duration of this program as a requirement and holding the Otsego Lake Township harmless of liability from the contractor's treatment actions.

Otsego Lake Township
Big Bradford Lake
Special Assessment District
January 2024 – December 2033
For
Aquatic Weed Control
Management Plan

PLANS FOR SPECIAL ASSESSMENT DISTRICT

Otsego Lake Township proposes to carry out the following improvement and to create a Special Assessment District and to pay for the entire cost of the improvements by assessment against the property especially benefited by the improvements, all as authorized and in compliance with Michigan Compiled Laws 41.721 et seq.

1. **Description Of Improvements:** The treatment and elimination/control of Aquatic Weeds on Big Bradford Lake, Otsego Lake Township, Michigan.
2. **Proposed Special Assessment District:** The properties to be assessed are all those parcels of land within Otsego Lake Township with frontage on Big Bradford Lake. A special assessment shall be assessed equally to all parcels lying wholly or partially within the above-defined Special Assessment District. Two or more contiguous parcels under common ownership shall be treated as one parcel for purposes of the assessment.
3. **Estimated Cost:** The initial estimated annual cost to be assessed to each parcel within the District shall Be a maximum of \$100 with a maximum annual increase of \$10 a parcel.
4. It is estimated that the cost will increase for each parcel by 10% of the origin amount each year during the term of the special assessment.
5. **Payment Of Assessments:** The assessments shall be payable in installments, the first of which will be due at the same time as the 2023 winter tax bill is due and each subsequent installment will be due at 12 month intervals thereafter.
6. **Liens And Penalties:** Assessments shall constitute a lien on the assessed property. Any installment not paid when due shall be considered delinquent and there shall be collected a penalty of one (1%) percent per month or fraction thereof, until paid.
7. **Term:** the improvement shall commence in January 2024 and continue until December 2033.