



Professional Pond Management Products and Services
Aquatic Herbicide and Algaecide Applications
Lake Management Planning and Services
Pond Design and Development

Lake & Pond Resource LLC

"Providing Professional Resources for Management of Your Lake or Pond"

December 6, 2019

Kusel, Wilson, Round Lakes Rehabilitation & Preservation District
Kusel Lake

Re: 2019 Aquatic Plant Management Report, Kusel Lake, Waushara County, Wisconsin

Dear District Board members:

In response to your request for aquatic plant management and surveying, Wisconsin Lake & Pond Resource, LLC (WLPR) visited Kusel Lake on multiple occasions in 2019. The purpose of these visits is to manage populations of aquatic invasive species (AIS), dense nuisance vegetation, and document the condition of the existing plant community to assess the need for future management.

Background Information

Kusel Lake is a 74-acre lake in Waushara County. Two aquatic invasive species (AIS) are confirmed to be present in the Lake: curly-leaf pondweed (CLP) and hybrid Eurasian water-milfoil (HWM). During recent surveys curly-leaf pondweed has been found at low levels not requiring management. Hybrid water-milfoil has occasionally grown to nuisance levels and required management in past years. Dense native vegetation also causes a navigational nuisance and requires management in small areas of the lake.

Past control of HWM has focused on the use of aquatic herbicides applied to spot treatment of areas around 5.0 acres or less. Populations of HWM noted in late 2018 and early 2019 were at low levels and scattered along the shoreline, not needing direct management. The most recent plant management focused on nuisance vegetation and algae control only and was completed on August 7, 2019 to 1.75 acres of the lake.

A copy of the WDNR approved permit and treatment record are included in Attachment A. The 2019 treatment map is included in Attachment B, Figure 1. To gauge treatment results and plan for 2020 management, a follow-up aquatic plant survey was completed on September 26, 2019 by Wisconsin Lake & Pond Resource.

2019 Aquatic Plant Survey

WLPR conducted the 2019 survey using a meander method around the entire perimeter of the lake with rake throws and visual observations to verify the presence of AIS. All locations of AIS, primarily EWM, were recorded on a GPS. Observations of native aquatic plant species were recorded to create a list of those present within the lake. Results of the mapping survey are found on Figure 2, Attachment B.



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Composition of the aquatic plant community remained steady and of high diversity for similar area lakes. Overall, 19 different aquatic plant species were noted, including two AIS; hybrid Eurasian water-milfoil and curly-leaf pondweed (Table 1). Highest diversity of species was noted in the northeast channel where multiple pondweed species important for fisheries habitat were found. High water levels were noted throughout the year on Kusel Lake.

Though two AIS are identified within Kusel Lake, only E/HWM has historically grown dense enough to require direct management. Past actions have focused on targeted herbicide applications and included treatments on a larger scale of 5+ acres with 2,4-D as the herbicide's active ingredient. Recently, populations of E/HWM have been minimal with no active management necessary in 2019.

The 2019 survey identified E/HWM growing sporadically around the perimeter of Kusel Lake. In many locations the E/HWM present was only small, individual plants not dense enough to warrant active control and in very shallow locations. High water levels have created new, near-shore areas for E/HWM to grow that in past years may have been too shallow or even dry. There were two areas noted with dense enough AIS populations to warrant management in 2020. Overall, 1.3 acres of E/HWM were identified for management in 2020. It is again recommended to monitor the campground channel for nuisance conditions and control if necessary, in 2020 (Figure 1, Attachment B).

An aquatic plant community is dynamic and changes year to year based on growing conditions and many other factors. The last whole-lake survey was completed in 2011. Some species identified in 2019 were not directly sampled in the past and vice versa, but this should not be a cause for concern.

NEXT STEPS

After continued successful E/HWM management, this invasive species has been reduced from historical levels and is now found at low population and density. Past surveys and management for the lake have shown that E/HWM population can vary and occupy larger areas colonies and require management.

Current DNR recommendations for control of AIS include the use of an integrated pest management approach, or IPM. The use of IPM includes changing methods of control, including but not limited to: varying herbicide active ingredients, mechanical harvesting, hand or suction harvesting, and no-action. The spread of E/HWM in Kusel Lake recorded in 2019 is found primarily in the shallow, near-shore areas and scattered at low density throughout the lake. Many locations are too small and spread out to be feasibly controlled by hand and recent management has created a lessening population. Though of high quality and diversity, native plant species still grow very dense within portions of the Lake and often cause navigational nuisance requiring management.

It is our recommendation to continue to conduct management in select areas for control of denser areas of E/HWM and navigational relief while monitoring populations of E/HWM in 2020. It is important to continue to gauge the entire lake's aquatic plant community through periodic point-



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intercept plant surveys. The last whole-lake survey was completed in 2011 and it is generally recommended to complete such a survey every 5 years. A recommended timeline is as follows:

1. February/March – 2020: Apply for WDNR aquatic herbicide permit for up to 3.8 acres for control of E/HWM, CLP, and navigational nuisance relief as needed (Figure 2, Attachment B)
2. May/June – 2020: Herbicide application for E/HWM control and nuisance relief. Recommended products and rates are as follows:

Area	Product(s)	Rate
EWM	ProcellaCOR	5 PDU/ac-ft
EWM/CLP	copper & diquat	1.625 gal/ac-ft
AIS/Nuisance	copper & diquat	up to 3:2 gal/ac ratio

*see Figure 2 for treatment locations and dimensions

3. August – 2020: Whole-lake point intercept survey to document aquatic plant community and plan for 2021 and beyond. This is optional, but highly recommended as the last whole-lake survey was completed in 2011
4. May-September – 2020: Monthly site visit to assess conditions, monitor management results, survey for new/existing AIS, and maintain lake health
5. October/November – 2020: Prepare management report for 2021

If you have any questions, require any additional information, or would like a formal proposal on any of the above management options please contact us directly as follows:

Jim Scharl: (920) 872-2032 or jim@wisconsinlpr.com

Respectfully,



Lake & Pond Resource LLC

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Attachment A: 2019 WDNR Permit & Treatment Record



April 23, 2019

Permit #: NE-2019-70-3628
Fee Received: \$ 95.00

Kusel, Wilson, Round Lakes P&R District
W 5463 Archer Lane
Wild Rose, WI 54984

Subject: 2019 permit to chemically treat aquatic plants in Kusel Lake, Waushara County.

Dear Mr. Gaboury:

The Department has received and reviewed your application to chemically treat aquatic plants in Kusel Lake, Waushara County. The total acreage to be treated is **2.5** acres. Your permit application meets the minimum requirements by law and a permit is being issued. Issuance of the permit is not an endorsement or approval for the actions authorized. The following conditions must be complied with:

GENERAL CONDITIONS

- 1) **It is the responsibility of the applicant to follow the treatment plan and permit conditions. Noncompliance with the plan can result in enforcement actions under State Statute 144.99 and restriction of aquatic plant management activities for subsequent years under Administrative Code NR 107. The conditions and treatment plan are required to ensure efficacy of the treatment and is well documented.**
- 2) **Wisconsin Lake & Pond Resource LLC, according to NR 107.08(8), shall submit the enclosed Aquatic Plant Management Treatment Record form (3200-111) for treatment as follows:**
 1. **Immediately, if any unusual circumstances occur during treatment.**
 2. **Within 30 days, if treatment occurs.**
 3. **By October 1 of this year if no treatment occurred.**
- 3) **Application is restricted to permitted area.**
- 4) **All docks and all public access must be posted as specified in NR107.08 (7). Signage must remain in place for the full period specified on the chemical product labels.**
- 5) **Public access cannot be blocked or entry denied. Treatment will have to be scheduled accordingly to increase efficacy and to achieve the desired outcome.**

SPECIFIC CONDITIONS

- 1) **Chapter NR 107.04(4) Wisconsin Administrative Code states that the applicant, Kusel, Wilson, Round Lakes P&R District, must certify a copy of the application has been provided to any**

affected property owners, inland Lake District and in the case of chemical applications for rooted aquatic plants, to any riparian property owners adjacent to and within the treatment area.

- 2) Herbicides used for the project will be a copper product (Captain) and a diquat product (Tribune). All product labels must be followed closely.
- 3) You must notify Christopher Kolasinski of the Department of Natural Resources at (920) 252-5053 or Christopher.Kolasinski@wisconsin.gov at least 4 business days prior to any chemical treatment. An onsite inspection may be required pursuant to NR 107.07 prior to treatment to determine if the treatment is necessary and warranted at that time. If it is determined that navigation is being materially obstructed by aquatic plant growth treatment may commence immediately following the inspection. If the inspection reveals that navigation is not materially obstructed by aquatic plants, the department may stop or limit the treatment pursuant to NR 107.05(3), NR 107.07, and NR 107.08.
- 4) The following steps should be taken every time you move your equipment to avoid transporting invasives and exotic viruses and species. To the extent practicable, equipment and gear used on infested waters should not be used on other non-infested waters.
 1. Inspect and remove aquatic plants, animals, and mud from your equipment.
 2. Drain all water from your equipment that comes in contact with infested waters, including but not limited to tracked vehicles, barges, boats, silt or turbidity curtain, hoses, sheet pile and pumps.
 3. Dispose of aquatic plants, animals in the trash. Never release or transfer aquatic plants, animals or water from one water-body to another.
 4. Wash your equipment with hot (>104° F) and/or high pressure water OR allow your equipment to dry.

Any future treatments beyond this permit will require an additional permit from the Department. Future permit applications will be evaluated based the information at that time. Failure to comply with the above conditions may result in cancellation of the permit and loss of permit privileges in the future.

If you have any questions or concerns I can be reached at (920) 252-5053 or by e-mail at Christopher.Kolasinski@wisconsin.gov.

Sincerely,



Christopher Kolasinski - Oshkosh-DNR
Water Resource Management Specialist

CC: David Bartz - Fisheries Biologist, Wautoma
Ted Dremel - Conservation Warden Supervisor, Wautoma
Ted Johnson – Water Resource Biologist, Oshkosh
Wisconsin Lake & Pond Resource LLC

Chemical Aquatic Plant Control Application and Permit
Wisconsin Pollutant Discharge Elimination System (WPDES)
Pesticide Pollutant Permit Application

Form 3200-004 (R 02/17)

Page 1 of 4

Notice: Use of this form is required by the Department for any application filed pursuant to s. 281.17(2), Wis. Stats., and Chapters NR 107, 200 and 205, Wis. Adm. Code. This permit application is required to request coverage for pollutant discharge into waters of the state. Personally identifiable information on this form may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

DNR Use Only	
ID Number NE-2019-70-3628	Permit Expiration Date
Waterbody # 189600	Fee Received \$95.00

Section I – Applicant Information – Name of Permit Applicant. Also indicate names and addresses of all individuals, associations, communities or town sanitary districts sponsoring treatment. Attach additional sheets if necessary.

Home Address	Name Kusel, Wilson, Round Lakes P&R District	Waterbody Address	Name Kusel, Wilson, Round Lakes P&R District
	Street Address W5463 Archer Lane		Street Address W5463 Archer Lane
	City Wild Rose		City Wild Rose
	State WI		State WI
	Zip 54984		Zip 54984
Phone Number (include area code) Primary 920-830-0847 x Secondary		Email Address jgaboury@jjkeller.com	

Section II – Aquatic Plant Control Location

Water body to be Treated (water body where treatment area is located) Kusel Lake				Lake Surface Area 74.00 acres	Estimated Surface Area that is 10 Feet or Less in Depth acres		
County Waushara	Section 27	Township 20	Range 11	Name of Applicator or Firm Wisconsin Lake & Pond Resource LLC			
Latitude: 44.171085		Longitude: -89.164968		Street or Route N7828 Town Hall Road			
Is there more than one property owner? ☒ Yes ☐ No				City Eldorado	State WI		
Is there surface water discharge? ☒ Yes ☐ No				Zip 54932			
Does the water body have public access? ☒ Yes ☐ No							
If all are no the it is considered to be a private pond							
Adjacent Riparian Owner Names 1. See attached				County Fond du Lac	Phone Number (include area code) 920-872-2032 x		
				Email Address jim@wisconsinlpr.com			
				Applicator Certification Number for Category 5 Aquatic Pesticide Application 077803			
				Business Location License Number (if applicable) 93-015182-012226			
Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate) Jeremy Gaboury				Restricted Use Pesticide License Number (if applicable)			

Area(s) Proposed for Control: (Note details in permit cover letter for final permitted sizes of treatment areas.)

Treatment Length	Treatment Width	Estimated Acreage	Average Depth	Calculated Volume
399 ft.	273 ft.	43,560 ft ² = 2.50 ac	4 ft = 10.00 ac-ft	
Estimated Acreage Grand Total		2.50 ac	Calculated Volume Grand Total	10.00 ac-ft

If the estimated acreage is greater than 10 acres, or is greater than 10 percent of the estimated area 10 feet or less in depth in Section II, complete and attach Form 3200-004A, Large-Scale Treatment Worksheet. Private pond treatments are exempted from this requirement.

Is the area with in or adjacent to a sensitive area designated by the Department of Natural Resources. ☐ Yes ☒ No	DNR Use: NHI Review? ☒ Yes ☐ No Describe: Completed 4/17/2019 No Conflicts
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Section III - Fees

1. s. NR 107.11(1), Wis. Adm. Code, lists the conditions under which the permit fee is limited to the \$20 minimum charge.
2. s. NR 107.11(4), Wis. Adm. Code, lists the uses that are exempt from permit requirements.
3. s. NR 107.04(2), Wis. Adm. Code, provides for a refund of acreage fees if the permit is denied or if no treatment occurs.
4. Fee calculations: If Proposed treatment is over 0.25, calculate acreage fee:
(round up to nearest whole acre, to maximum of 50 acres)

2.50 acres X \$25 per acre = \$ \$75.00
If proposed treatment is less than 0.25 acre, acreage fee is \$0

Acreage Fee (from above) \$ 75.00

Basic Permit Fee (non-refundable) \$ 20.00

Total Fee Enclosed \$ 95.00

Site Map: Attach a sketch or a printed map of lake indicating area and dimensions of each individual area where plant control is desired and flow of surface water outside treatment area. Also show location of property owners riparian to and adjacent to the treatment area. Attach a separate list of owners and corresponding treatment dimension coded to the lake map, if necessary.

Section IV - Reasons for Aquatic Plant Control

Is this permit being requested in accordance with an approved
Aquatic Plant Management Plan? ☐ Yes ☒ No

Treatment Type

☒ Lake ☐ Pond ☐ Wetland ☐ Marina ☐ Other

Goal of Aquatic Plant Control:

- ☒ Maintain navigation channel
- ☐ Maintain boat landing and carry in access
- ☐ Improve fish habitat
- ☐ Maintain swimming area
- ☒ Control of invasive exotics
- ☐ Other

Nuisance Caused By:

- ☐ Algae
- ☐ Emergent water plants (majority of leaves & stems growing above water surface, e.g. cattail, bulrushes)
- ☐ Floating water plants (majority of leaves floating on water surface, e.g., water lilies, duckweed)
- ☒ Submerged water plants (leaves & stems below surface, flowering parts may be exposed: milfoil, coontail)
- ☐ Other

List Target Plants

Note: Different plants require different chemicals for effective treatment. Do not purchase chemical before identifying plants.

General nuisance vegetation control

Section V - Chemical Control

Alternatives to Chemical Control: Feasible?

If No, Why Not?

- | | | |
|-----------------------------------|---|--|
| 1. Mechanical harvesting | ☐ Yes ☒ No | Spread plant debris |
| 2. Manual removal | ☐ Yes ☒ No | Too large of areas |
| 5. Sediment screens/covers | ☐ Yes ☒ No | Other, non ecological system damage |
| 6. Dredging | ☐ Yes ☒ No | Too costly |
| 7. Lake drawdown | ☐ Yes ☒ No | No ability to draw down |
| 8. Nutrient controls in watershed | ☐ Yes ☒ No | Not a control option for immediate concern |
| 9. Other: | ☒ Yes ☐ No | |

Note: If proposed treatment involves multiple properties, consider feasibility of EACH alternative for EACH property owner.
If you checked yes to any of the alternatives listed above, please explain your decision to use chemical controls:

Chemical Aquatic Plant Control Application and Permit
Wisconsin Pollutant Discharge Elimination System (WPDES)
Pesticide Pollutant Permit Application

Form 3200-004 (R 02/17)

Page 3 of 4

Trade Name of Proposed Chemical(s)

Captain & Tribune for general navigational nuisance species.

Method of Application: WLPR's liquid sub-surface injection system

Will surface water outflow and/or overflow be controlled to prevent chemical loss? ☐ Yes ☒ No

Have the proposed chemicals been permitted in a prior year on the proposed site? ☒ All ☐ Some ☐ None

What were the results of the treatment?

All past applications provided positive results unless otherwise noted.

For private ponds and wetlands please ignore the next question

Is the treatment area greater than 5% of surface area? ☐ Yes ☒ No

If yes, calculate whole lake concentration (in ppm). Refer to DNR Lake pages <http://dnr.wi.gov/lakes> to answer the following:

Does the lake stratify? ☐ Yes ☐ No
If yes, calculate whole lake concentration using volume above thermocline.
If no, calculate whole lake concentration using total lake value

Whole Lake Concentration ppm

Note: Chemical fact sheets for aquatic pesticides used in Wisconsin are available from the Department of Natural Resources upon request.

Section VI- Applicant Responsibilities and Certification

- 1 The applicant has prepared a detailed map which shows the length, width and average depth of each area proposed for the control of rooted vegetation and the surface area in acres or square feet for each proposed algae treatment.
- 2 The applicant understands that the Department of Natural Resources may require supervision of any aquatic plant management project involving chemicals. Under s.NR 107.07 Wis. Adm. Code, supervision may include inspection of the proposed treatment area, chemicals and application equipment before, during or after treatment. The applicant is required to notify the regional office 4 working days in advance of each anticipated treatment with the date, time, location and size of treatment unless the Department waives this requirement. Do you request the Department to waive the advance notification requirement?

☐ Yes ☒ No

- 3 The applicant agrees to comply with all terms or conditions of this permit, if issued, as well as all provisions of Chapter NR 107, Wis. Adm. Code. The required application fee is attached.
- 4 The applicant has provided a copy of the current application to any affected property owners' association inland Lake District and, in the case of chemical applications for rooted aquatic plants, to all owners of property riparian or adjacent to the treatment area. The applicant has also provided a copy of the current chemical fact sheet for the chemicals proposed for use to any affected property owner's association or inland Lake District.
- 5 Conditions related to invasive species movement. The applicant and operator agree to the following methods required under s.NR 109.05(2), Wis. Adm. Code for controlling, transporting and disposing of aquatic plants and animals, and moving water:
 - Aquatic plants and animals shall be removed and water drained from all equipment as required by s.30.07, Wis. Stats., and ss. NR 19.055 and 40.07, Wis. Adm. Code.
 - Operator shall comply with the most recent Department-approved 'Boat, Gear, and Equipment Decontamination and Disinfection Protocol', Manual Code #9183.1, available at <http://dnr.wi.gov/topic/invasives/disinfection.html>

☒ Check if you are signing as Agent for Applicant.

I hereby certify that the above information is true and correct and that copies of this application have been provided to the appropriate parties named in Section II and that the conditions of the permit and pesticide use will be adhered to.

All portions of this permit, map and accompanying cover letter must be in possession of the chemical applicator at the time of treatment. During treatment all provisions of Chapter NR 107 107.07 and NR 107.08, Wis. Adm. Code, must be complied with, as well as the specific conditions contained in the permit cover letter.

Section VII - WPDES Permit Request

Is WPDES coverage being requested? Refer to <http://dnr.wi.gov/topic/wastewater/aquaticpesticides.html> for more information.

- ☒ No ☐ Yes - complete section VII with signature.
- ☒ Already have WPDES
- ☐ WPDES coverage not needed

Select which permit you are requesting:

☐ WI-0064556-1 Aquatic Plants, Algae & Bacteria

☐ WI-0064564-1 Aquatic Animals

☐ WI-0064581-1 Mosquitoes & other Flying Insects

Indicate WPDES permittee responsible for the pollutant discharge: ☐ Applicator ☐ Sponsor

Do you expect the pest control activity will result in a detectable pollutant discharge to waters of the state beyond the treatment area boundary or a pollutant residual in waters of the state after the treatment project is completed? ☐ Yes ☐ No

If yes, identify the pollutant(s):

Are you planning to incorporate integrated pest management principles, as specified in the WPDES permit, into your pest control activity to minimize any pollutant residual or pollutant discharge beyond the treatment area? ☐ Yes ☐ No

Type of WPDES coverage being requested: ☐ One Treatment Site ☐ Statewide Coverage

For informational purposes, select areas of WI for most of your aquatic treatments: ☐ NE ☐ NW ☐ SW ☐ SE

Is WPDES coverage being requested for more than 1 year? ☐ Yes ☐ No

If yes, the permittee will remain in "active" WPDES status until a Notice of Termination is submitted

Section VIII – Permit to Carry Out Chemical Treatment (Leave Blank – DNR Use Only)

The foregoing application is approved. Permission is hereby granted to the applicant to chemically treat the waters described in the application during the season of 2019.

Application fee received?

☒ Yes ☐ No

State of Wisconsin
Department of Natural Resources
For the Secretary

By

Regional Director or Designee

4/23/2019
Date Signed

4/23/2019
Date Mailed

Advance notification of treatment required?

☒ Yes ☐ No**Please Note:**

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

This notice is provided pursuant to s. 227.48(2), Wis. Stats.

To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

Attachments and Checklists

Main Permit Application

Chemical Aquatic Plant Control Application (3200-004) :

Page 1 Completion Status: [Complete](#)Page 2 Completion Status: [Complete](#)

Upload Required Attachments (15 MB per file limit) - [Help reduce file size and trouble shoot file uploads](#)

* indicates completion of this item is required

Note: To add additional attachments using the down arrow icon. To replace an existing file, use the 'Click here to attach file ' link. To remove additional items, select the item and press CNTRL Delete.

Riparian Owners

 File Attachment[KuselLake_RiparianOwners_2019.xlsx](#)

Public Notice

 File Attachment

Large Scale Worksheet

 File Attachment

Notice: Completion of this form is a condition of the permit and provides records required by WDNR (NR 107) and DATCP (ATCP 29.21 and 29.22). The Department may not issue you future permits unless you complete and submit this form. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Submit this form: (1) immediately if any unusual circumstances occurred during treatment
(2) as soon after treatment as possible, no later than 30 days
(3) by October 1 if no treatment occurred

Completion of this form along with the permit satisfies the requirements of WDNR (NR 107) and DATCP (ATCP 29.21 and 29.22).

General Permit Information

Permit Number NE-2019-70-3628	Water body Name (including ponds, e.g., Smith Pond) Kusel Lake		
County Waushara	Permit Holder Name (Customer Name) Kusel, Wilson, Round Lakes P&R District		
Permit Holder Address W5463 Archer Lane	City Wild Rose	State WI	Zip Code 54984

Treatment Information

Treatment Date (mm/dd/yyyy) 8/7/2019	Starting Time (24:00 hour) 10:45	Ending Time (24:00 hour) 12:00	Water Temp 81	☐ C ☒ F	Ambient Air Temp 80	☐ C ☒ F
Wind Speed (mph) 5	Wind Direction South West	Expected Duration of Chemical Residuals 3 days				

Adverse Conditions Noted (i.e., dead fish, spawning fish, algae bloom, etc.)

If adverse conditions noted, indicate corrective actions taken

Comments

Onsite Supervision
Present?

No

If Yes, Supervisor Name :

Mixing and Loading Site Location (if other than business site or from prepackaged retail container or applied with equipment with a total capacity of not more than 5 gallons liquid or 50 pounds dry)

Kusel Lake public launch

☒ Herbicide Treatment and Water Use Restrictions Signs Posted In Accordance With NR 107?

Applicator shall provide each customer with a free copy of each pesticide label used (if requested)

Applicator Information

Individual or Business Name Wisconsin Lake & Pond Resource, LLC	Telephone xxx -xxx-xxxx 920-872-2032 x 		
Street Address N7828 Town Hall Road			
City Eldorado		State WI	ZIP Code 54984
Individuals Making Pesticide Application	Last Name scharl	First james	Certification # 77803
Name of Person Completing Form James Scharl			

Aquatic Plant Management Herbicide Treatment Record

Form 3200-111 (R 11/16)

Page 2 of 2

Date: 8/7/2019

Treatment Site and Chemical Information

Site No	Property Name	Address / Fire No	Treated acreage	Permitted Acreage	Sensitive Area?	Latitude	Longitude
A	n/a	n/a	1.75	2.50	☐		

Herbicide Name	EPA Reg. No.	Amount Applied	Units	Application Concentration Rate (mg/l = ppm)
<u>Tribune Herbicide</u>	100-1390	3	<u>gallons</u>	0.36 ppm
<u>Captain Liquid Copper Algaecide</u>	67690-9	5	<u>gallons</u>	0.3 ppm

Aquatics at Treatment Site: TS=Target Species SP= Species Present

TS	SP	Site(s)	TS	SP	Site(s)	TS	SP	Site(s)
☐	☐	Cattail	☐	☒	Flat-Stem Pondweed	☐	☐	Richardson Pondweed
☐	☐	Chara	☐	☐	Floating-Leaf Pondweed	☐	☐	Robbins Pondweed
☒	☐	Coontail	☐	☒	Illinois Pondweed	☐	☐	Sago Pondweed
☐	☐	Curly-Leaf Pondweed	☐	☒	Large-Leaf Pondweed	☐	☐	Watershield
☐	☒	Duckweed	☐	☐	Northern Milfoil	☐	☐	White Water Lily
☒	☐	Elodea	☐	☐	Phragmites	☐	☐	Wild Celery
☒	☐	Eurasian /hybrid Milfoil	☐	☐	Planktonic Algae	☐	☐	White-Stem Pondweed
☐	☒	Filamentous Algae	☐	☐	Purple Loosestrife	☐	☐	



Lake & Pond Resource LLC

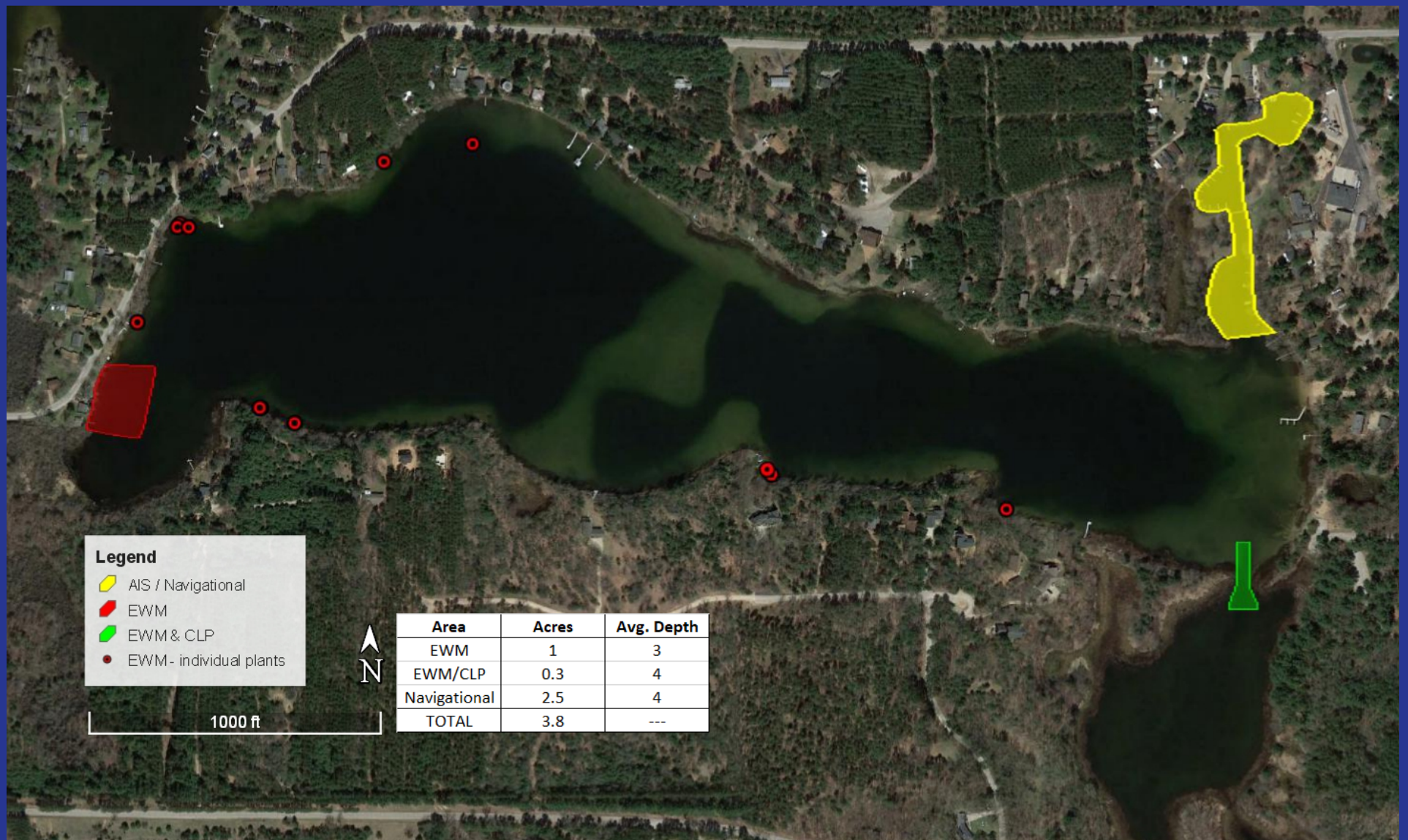
“Providing Professional Resources for Management of Your Lake or Pond”

Professional Pond Management Products and Services
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Attachment B: Table & Figures

	2011*	2019
Invasive Species		
Eurasian water-milfoil	X	X
Curly-leaf pondweed		X
Floating-leaf Species		
Watershield		X
White water lily	X	X
Spatterdock		X
Emergent Species		
Creeping spikerush	X	X
Water smartweed		X
Hardstem bulrush	X	X
Three-square bulrush	X	
Submersed Species		
Coontail	X	X
Muskgrass	X	X
Needle spikerush	X	
Common waterweed	X	X
Water star-grass	X	
Slender naiad	X	
Southern naiad	X	
Nitella	X	X
Large-leaf pondweed	X	X
Fries' pondweed	X	
Variable pondweed	X	X
Illinois pondweed	X	X
Floating-leaf pondweed	X	X
Stiff pondweed	X	
Flat-stem pondweed	X	
Water bulrush	X	
Sago pondweed	X	X
Common bladderwort	X	X
Wild celery	X	X
Total	24	19
* - survey conducted as a whole-lake point intercept		





Proposed 2020 Management Areas

Kusel Lake, Waushara County

Surveyed: September 26, 2019

Figure 2