



April 23, 2019

Vermillion Lakes Association
Tom Margotto
2129 9th St.
Cumberland, WI 54829

Permit # NO-2019-03-3670

Dear Mr. Margotto:

Enclosed you will find your approved Aquatic Plant Management permit for chemical treatment on Lower Vermillion Lake in Barron County. Your application has been approved for the area described and may not be expanded. Details of the approved treatment area are as follows:

Township 35N Range 13W Sec. 15

Specific Project Description (as shown on application form).

1. Control of EWM covering a maximum of 3.05 acres.
2. Coordination of timing of management should take place through WDNR and Tribal harvest status.
3. Disturbance of wild rice is strictly prohibited.
4. Treatments to be scheduled to avoid inclement weather/wind that would hinder efficacy.
5. All requirements for notification according to NR 107.07 (3) must be satisfied prior to treatment.
6. All riparian residents within 150 feet of a treated areas must be properly notified per NR107.04(4).

Please note these selected permit conditions (refer to Section NR 107.08 for complete details):

1. Four-day advance notification of treatment is required unless exempted in Section VII of the application.
2. Treatment sites must be posted a minimum of one day or as specified in the use restrictions on the chemical label.
3. The Aquatic Plant Treatment Record must be submitted within 30 days after treatment or by October 1 if no treatment occurs.
4. **All equipment used for the project shall be de-contaminated following the most current protocols for invasive and exotic viruses and species prior to use and after use.**

Thank you for complying with the provisions of Wis. Adm. Code NR 107 concerning the use of aquatic pesticides for plant management. Feel free to contact Mark Sundeen at the Spooner Service Center at 715/635-4074 for further information.

Sincerely,



Mark Sundeen
Water Resource Management Specialist
WDNR
Spooner, WI

Enc.

Date Mailed April 24-2019

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

Form 3200-004 (R 02/17)

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 NO-2019-3-3670	Permit Expiration Date
Waterbody # 2098200	Fee Received \$120

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			Waterbody Address		
Name Vermillion Lakes Association			Name Tom Margotto		
Street Address 2129 9th Street			Street Address 2129 9th Street		
City Cumberland	State WI	Zip 54829	City Cumberland	State WI	Zip 54829

Phone Number (include area code) Primary 763-744-7680 x Secondary	Email Address margotto55@gmail.com
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Section II – Aquatic Plant Control Location

Water body to be Treated (water body where treatment area is located) Lower Vermillion Lake				Lake Surface Area 215.00 acres	Estimated Surface Area that is 10 Feet or Less in Depth 67.0 acres
County Barron	Section 08	Township 34	Range 14	Name of Applicator or Firm Northern Aquatic Services	
Latitude: 45.516		Longitude: -91.97		Street or Route 1061 240th Street	
Is there more than one property owner? <input checked="" type="radio"/> Yes <input type="radio"/> No Is there surface water discharge? <input checked="" type="radio"/> Yes <input type="radio"/> No Does the water body have public access? <input checked="" type="radio"/> Yes <input type="radio"/> No If all are no the it is considered to be a private pond				City Dresser	State WI
Adjacent Riparian Owner Names 1. Type Name Here				County Polk	Phone Number (include area code) 715-495-5252 x
				Email Address ddressel@centurytel.net	
				Applicator Certification Number for Category 5 Aquatic Pesticide Application 061742	
				Business Location License Number (if applicable)	
Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate)				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
146 ft.	x 200 ft.	÷ 43,560 ft. ² = 0.67 ac	8 ft =	5.36 ac-ft
122 ft.	x 200 ft.	÷ 43,560 ft. ² = 0.56 ac	5 ft =	2.80 ac-ft
309 ft.	x 200 ft.	÷ 43,560 ft. ² = 1.42 ac	4 ft =	5.67 ac-ft
65 ft.	x 200 ft.	÷ 43,560 ft. ² = 0.30 ac	5 ft =	1.49 ac-ft
44 ft.	x 100 ft.	÷ 43,560 ft. ² = 0.10 ac	4 ft =	0.40 ac-ft
Estimated Acreage Grand Total		3.05 ac	Calculated Volume Grand Total 15.73 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:

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)

3.05 acres X \$25 per acre = \$ 100.00

If proposed treatment is less than 0.25 acre, acreage fee is \$0

Acreage Fee (from above) \$	100.00
Basic Permit Fee (non-refundable) \$	20.00
Total Fee Enclosed \$	120.00

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:

Nuisance Caused By:

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

- 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.

EWM CLP

Section V - Chemical Control

Alternatives to Chemical Control:	Feasible?	If No, Why Not?
1. Mechanical harvesting	<input type="radio"/> Yes <input checked="" type="radio"/> No	infestation too small
2. Manual removal	<input checked="" type="radio"/> Yes <input type="radio"/> No	
5. Sediment screens/covers	<input type="radio"/> Yes <input checked="" type="radio"/> No	not approved in current APM Plan
6. Dredging	<input type="radio"/> Yes <input checked="" type="radio"/> No	not necessary
7. Lake drawdown	<input type="radio"/> Yes <input checked="" type="radio"/> No	not possible
8. Nutrient controls in watershed	<input checked="" type="radio"/> Yes <input type="radio"/> No	
9. Other:	<input type="radio"/> Yes <input checked="" type="radio"/> No	nothing else being considered

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 control is used in addition to other control measures to provide and integrated approach to keeping CLP and EWM in check in the lake.

Chemical Aquatic Plant Control Application and Permit
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Trade Name of Proposed Chemical(s)

Aquathol K, Sculpin G, Shredder Amine 4

Method of Application: Injection

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?

results in 2018 were very good, allowing for less chemical treatment in 2019

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.

No 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

Advance notification of treatment required?

Yes No

By Mark Sunbeer
Regional Director or Designee

April 24-2019
Date Signed

April 24-2019
Date Mailed

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:

Page 2 Completion Status:

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

Public Notice

Large Scale Worksheet

Online Payment

Wisconsin Department of Natural Resources Invoice Number: WP-00017758

Total Due: \$120.00

Payment Confirmation # WS2WT1003314006

STEP 1:

Payment is Complete

Confirmation
Number:

WS2WT1003314006

STEP 2 :

Please note that payment is considered successful when your financial institution renders payment for this transaction. Failure of US Bank to collect and transfer funds from the permit applicant to the DNR, does not release the applicant of financial responsibility and the DNR reserves the right to collect unpaid fees.

All payments are collected by US Bank which is an external website contracted by the Wisconsin Department of Natural Resources for the sole purpose of collecting payments over the web.

Sign and Submit Permit

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. The advance notification may be specified in your permit.
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:

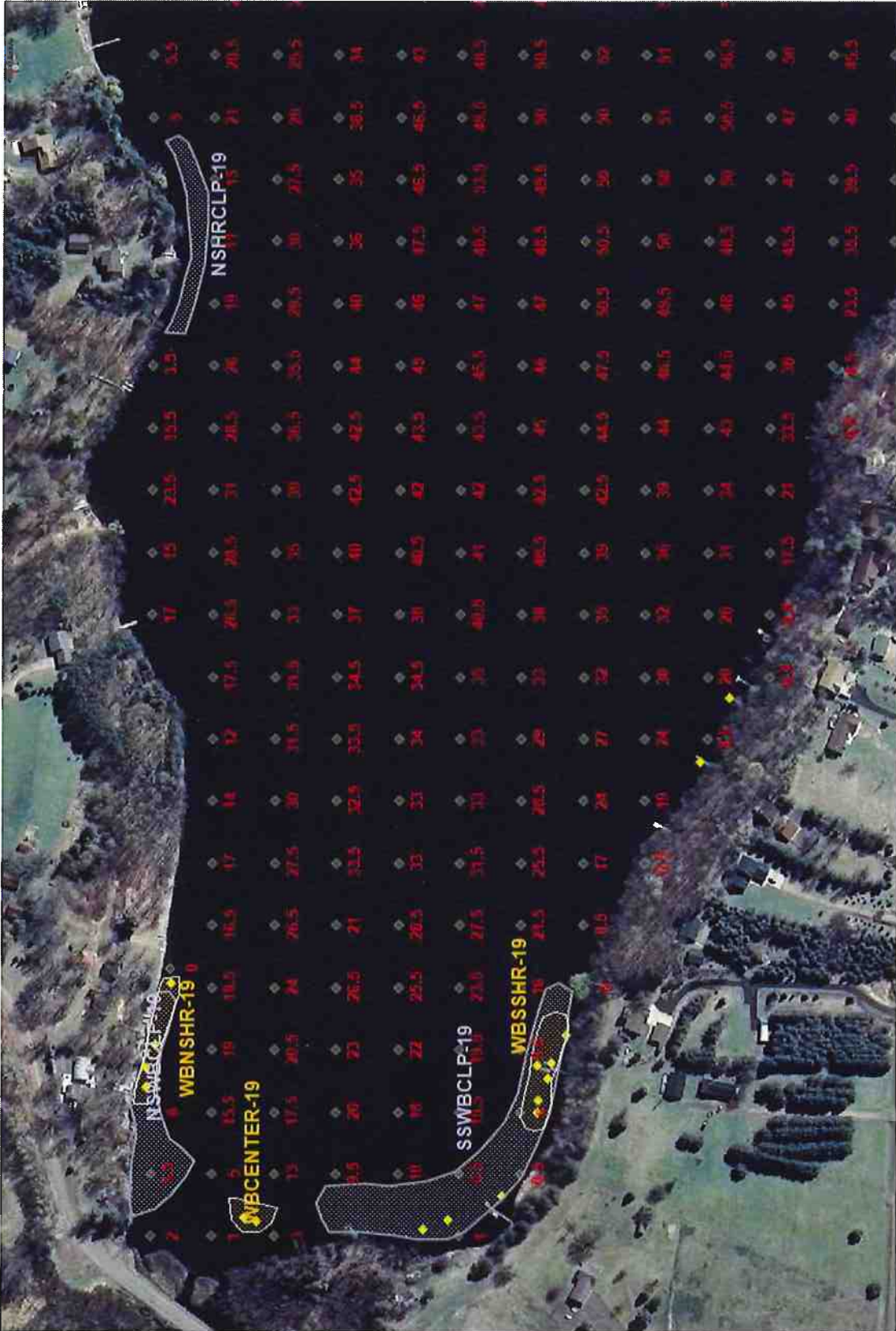
- Aquatic plants and animals shall be removed and water drained from all equipment as required by s. 30.07, Wis. Stats., and ss. NR 19.055 and 40.07, Wis. Adm. Code.
- Operator shall comply with the most recent Department-approved 'Boat, Gear, and Equipment Decontamination and Disinfection Protocol', Manual Code # 9183.1, available at <http://dnr.wi.gov/topic/invasives/disinfection.html>

I hereby certify that the above information is true and correct and that copies of the application have been provided to the appropriate parties name in Section II and that the conditions of the permit will be adhered to. All portions of this permit, map and accompanying cover letter must be in possession of the applicant or their agent at time of plant removal. During plant removal activities, all provisions of applicable Wisconsin Administrative Rules must be complied with, as well as the specific conditions contained in the permit cover letter.

Check if you are signing as Agent for Applicant.

i:0#.f|wamsmembership|blumedl signed on 2019-04-06T...

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.



2019 Lower Vermillion Preliminary CLP and EWM Chemical Treatment Proposal – LEAPS Rev4-4-2019

Lower Vermillion Lake 2019 Preliminary CLP-EWM Chemical Treatment Proposal (03-31-2019 LEAPS)

Treatment Characteristics				CLP Control			
Treatment Site	Acreage	Mean Depth (feet)	Volume (acre-feet)	Aquathol K (liquid endothal) Treatment a.i. ppm	Gallons	gallons/acre-ft	
EBCLP-19	0.67	8.0	5.36	4.0	13.9	2.60	
NSWBCLP-19	0.56	5.0	2.80	2.5	4.7	1.67	
SSWBCLP-19	1.42	4.0	5.68	2.5	9.5	1.67	
NSHRCLP-19	0.30	5.0	1.50	2.5	2.5	1.67	
Total	2.95		15.34		30.6		
CLP - 2.95 acres;							
Treatment Characteristics				Eurasian Watermilfoil Control			
Treatment Site	Acreage	Mean Depth (feet)	Volume (acre-feet)	DMA 4/ Shredder Amine 4 Treatment a.i. ppm	Gallons	gal/acre-ft	Treatment a.i. ppm
EBCLP-19/EWM-19	0.67	8.0	5.36	4.0	2.6	2.84	3.0
WBNSHR-19	0.18	5.0	0.90	4.0	3.0	2.84	
WBSSHR-19	0.26	4.0	1.04	4.0	3.0	2.84	
WBCENTER-19	0.10	4.0	0.40				4.0
Total	1.21		7.70		5.5		289.3
EWM - 1.21 acres							
Target endothal a.i. (ppm)				Aquathol K (liquid) gal/ac-ft		Target 2,4-D a.i. (ppm)	
0.75	0.45		1.50	1.07	1.0		
1.00	0.60		2.00	1.42	1.5		
1.50	1.00		2.50	1.78	2.0		
2.00	1.33		3.00	2.13	2.5		
2.50	1.67		3.50	2.49	3.0		
3.00	2.00		4.00	2.84	3.5		
4.00	2.60				4.0		65.4
Target endothal a.i. (ppm)				Shredder Amine 4 (liquid) gal/ac-ft		Target 2,4-D a.i. (ppm)	
0.75	0.45		1.50	1.07	1.0		
1.00	0.60		2.00	1.42	1.5		
1.50	1.00		2.50	1.78	2.0		
2.00	1.33		3.00	2.13	2.5		
2.50	1.67		3.50	2.49	3.0		
3.00	2.00		4.00	2.84	3.5		
4.00	2.60				4.0		65.4
Target endothal a.i. (ppm)				Sculpin G (granular) lb/ac-ft		Target 2,4-D a.i. (ppm)	
0.75	0.45		1.50	1.07	1.0		
1.00	0.60		2.00	1.42	1.5		
1.50	1.00		2.50	1.78	2.0		
2.00	1.33		3.00	2.13	2.5		
2.50	1.67		3.50	2.49	3.0		
3.00	2.00		4.00	2.84	3.5		
4.00	2.60				4.0		65.4