



Office of Administration

1087 Newell, PO Box 885
White Cloud, Michigan 49349
Phone: (231) 689-7234
Fax: (231) 689-7205

Sent Via E-mail
rwripstra@outlook.com

May 31, 2022

Mr. Robert Ripstra
1613 Charlevois Dr.
Troy, MI 48085

Dear Mr. Ripstra:

Re: Freedom of Information Act FOIA #22-148
Granted in part/Denied in part

Newaygo County received your Freedom of Information Act ("FOIA") request dated May 25, 2022

1. May 10, 2022, Hess Lake Board Meeting Minutes & meeting materials – draft

The County has granted your request.

2. September 14, 2021, Meeting Minutes – approved

The County has granted your request.

The County has determined that the total cost of processing and finalizing this request is \$ 5.87. (See attached Detailed Itemization Sheet.)

Since your request has been denied in part, you have the right to (1) submit to the head of the public body a written appeal that specifically states the word "appeal" and identifies the reason or reasons for the reversal of the disclosure denial or (2) seek judicial review of this decision, as stated in Section 10 of the Michigan Freedom of Information Act, MCL 15.240 (see attachment). Further, you have the right to seek attorney fees and damages as provided in Section 10 (see attachment) if the court determines that the County has not complied with this section and orders disclosure of all or a portion of the public record.

Please be advised that the County's FOIA Policies and Procedures and written summary are available on the County's website at www.newaygocountymi.gov.

Should you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher Wren".

Christopher Wren
County Administrator/FOIA Coordinator

**Hess Lake Improvement Board
Organizational Meeting
May 10, 2022
9:30 a.m.**

-AGENDA-

1. **Call to Order**

2. **Election of Officers**
 Chair-
 Secretary-
 Treasurer-

3. **Approval of Agenda**

4. **Approval of the minutes of the 12/12/2021 Meeting Minutes**

5. **Public Comment-2 minutes**

6. **Financial Report:**

7. **Old Business:**

8. **New Business:**

9. **Correspondence/Bills**

9. **Public Comment – 2 minutes**

10. **Miscellaneous**

11. **Adjournment**

Minutes (Organizational Meeting)
Hess Lake Improvement Board
May 10, 2022
9:30 A.M.

Board Members Present: Bart Calvi, Dale Twing, Ken DeLaat, Mark Slocum, Grant Bryan
Board Members Absent: None

Also Present: Steffani Clayton- Drain Secretary, Tony Groves-Progressive AE, Katherin Farwell, Jerry Swendrowski. Russell Audresczak, Rick Buteyn, Nancy Calvi

1. The meeting was called to order at 9:29 a.m. by Clayton.

2. Election of Officers

Motion by Twing, seconded by Slocum to keep officers the same; Bart Calvi as Chairman, Grant Bryan as Vice Chairman, and Dale Twing as Secretary/Treasurer. Clayton asked if there were any other nominations, no response. Clayton asked a second and third time with no response. All ayes. Motion carried.

3. Approval of Agenda:

Motion by DeLaat, seconded by Calvi to approve the agenda. All ayes. Motion carried.

4. Approval of Minutes 12/12/2021 Meeting

Motion by DeLaat, seconded by Slocum to approve the minutes of the 12/12/2021 meeting. All ayes. Motion Carried.

5. Public Comment: (2 minutes)

Russell Andrejczak states he used to have lots of cattails, and they have since disappeared. He thinks they help stabilize the shoreline & wonders if they are a protected plant. Buteyn states that cattails are not protected & can be treated. Groves states that cattails typically bounce back after being treated. Farwell states residents along the lake are causing a disturbance to wildlife. Dale states that DEQ should handle that matter, but that EGLE can't always resolve the issue.

6. Financial Report:

Motion by Calvi, seconded by Grant to approve the Financial Report as Submitted and to pay all routine bills. All ayes. Motion carried.

7. Old Business:

Calvi discussed DNR fisheries targeting carp to help clear up the lake. There is a report compiled to initiate project, but they have not yet received a response. Buteyn will keep us posted. He also indicated that applying and waiting for grants can be just as difficult as paying out of budget. Twing agrees & states that grants tend to make the project more expensive. Grant stated they are trying to get Erick Elgin to perform at the Hess Lake improvement board.

8. New Business:

Rule 97- Buteyn spoke on treatment plans and permitting for it. Permit is issued already. Buteyn states they are doing a carp study then a pilot trapping study to determine the best method of capture. We will have to get signoffs from landowners to access the lake in front of their house for the carp study. Transponders will be placed on fish to assess the carp population.

Motion by Calvi to accept carp study proposal, seconded by Slocum. All ayes.
Motion carried.

Motion by DeLaat to accept trapping proposal for carp, seconded by Twing. All ayes.
Motion carried.

Buteyn discussed Streamside proposal for Wheeler Drain to find inconsistencies that may be affecting the lake. Twing added he does not think a ton of sediment is getting into the lake through the drain, he thinks the sediment is washing in from the wooded and ag areas. He will be willing to put in plants to slow the flow into the lake & contain some sediment.

Motion by Calvi to approve the proposal for the study on Wheeler Drain, seconded by DeLaat. All ayes. Motion carried.

9. Correspondence/Bills

Twing states we have corrected everything with the taxes on lake parcels.

10. Public Comment (2 minutes)

Farwell thanked Tony Groves for his hard work. Twing added that all of the lake boards have similar issues and he sees that everyone is working hard together toward the goal of a healthier lake.

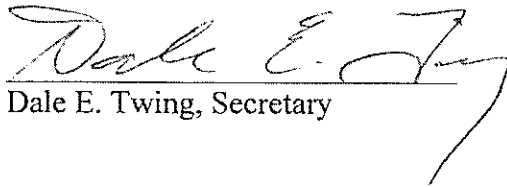
11. Miscellaneous

None

12. Adjournment

Motion by Slocum, seconded by Twing to adjourn the meeting. All ayes. Motion carried.

Meeting adjourned at 10:52 a.m.


Dale E. Twing, Secretary

**Financial Report for Hess Lake Improvement Board
For 05/10/2022 Meeting**

Revenues and Expenses from 10/01/2022-04/30/2022

REVENUES	
Special Assessments	
Collected	\$77,392.47
Total Revenues	\$77,392.47

EXPENSES	
Per Diem	\$180.00
Progressive	\$20,250.00
Savin Lake Services	\$5,050.00
Grand Valley State University	
Postage/Copying	
Printing/Publishing	\$81.00
Utilities/Rich Bosowski	
Total Expenses	\$25,561.00

Beginning Balance	\$88,208.67
Revenues	\$77,392.47
Expenses	-\$25,561.00
Total Cash on Hand	\$140,040.14

Meeting Minutes
Hess Lake Improvement Board
December 12, 2021
1:00 P.M.

Board Members Present: Bart Calvi, Dale Twing, Ken DeLaat, Grant Bryan
Board Members Absent: Mark Slocum
Also Present: Erick Elgin, Tony Groves

1. Chairman called meeting to order at 1:05p.m by Twing

2. Agenda:
None

3. Approval of Minutes of 8/17/2021 Meeting
None

4. Public Comment: (2 minutes)
None

5. Financial Report:
Motion by Twing, seconded by DeLaat to approve the Treasurers Report as submitted. All ayes. Motion carried.

6. Old Business:
Long discussion of continuing to file for DNR grant and how to move forward.

7. New Business:
Discussion regarding some of the new EGLE requirements & recommendations on shoreline protection. Specifically, woody debris and rip rap changes. Erick also brought shoreline magazines to mail out to Hess & Pickerel Kimball.

8. Correspondence/Bills
Tony discussed the grant & gave us his proposed contract of 2022. After discussion, Twing motioned to accept contract, DeLaat seconded. Motion carried. All ayes.

9. Public Comment (2 minutes)

None

10. Miscellaneous

None

11. Adjournment

Motion carried to adjourn meeting at 2:47p.m.

Dale E. Twing, Secretary

Meeting Minutes
Hess Lake Improvement Board
September 14, 2021
9:30 A.M.

Board Members Present: Bart Calvi, Dale Twing, Ken DeLaat, Jon Mark Slocum, Grant Bryan
Board Members Absent: None
Also Present: Nancy Calvi, Frank Jawusz, Tony Groves

1. The meeting was called to order at 9:35 a.m. by Twing

2. Agenda:

Motion by Twing, seconded by DeLaat to approve the agenda. All ayes. Motion carried.

3. Approval of Minutes of 8/17/2021 Meeting

Motion by Calvi, seconded by Slocum to approve the minutes of the 8/17/2021 meeting. All ayes. Motion Carried.

4. Public Comment: (2 minutes)

None

5. Financial Report:

Motion by Twing, seconded by DeLaat to approve the Treasurers Report as submitted. All ayes. Motion carried.

6. Old Business:

Long discussion of what Progressive has and is doing per contract. Long discussion on seawalls and issues with EGLE. Motion by Slocum, seconded by DeLaat to send out flyers. All Ayes. Motion carried.

7. New Business:

Set assessments – Motion by Slocum, seconded by Twing to keep the same as 2020. All Ayes. Motion carried.

8. Correspondence/Bills

Motion by Twing, seconded by DeLaat for next year meetings to be May 10, 2022, July 12, 2022 and September 13, 2022. All ayes. Motion carried.

9. Public Comment (2 minutes)

None

10. Miscellaneous

Chemicals going up – Blue green algae

11. Adjournment

Motion by Twing, seconded by Calvi to adjourn the meeting. All ayes. Motion carried.

Meeting adjourned at 11:03 a.m.

Dale E. Twing, Secretary



Professional Services Agreement Hess Lake Improvement Project 2022

This agreement is made and entered into this ____ day of _____, 2022, by and between the Hess Lake Improvement Board, hereinafter called the "Lake Board," and Progressive AE, hereinafter called the "Consultant."

In consideration of the covenants contained herein, the parties hereto agree as follows:

SECTION 1 – SERVICES

The Consultant will provide the following services related to the implementation of the Hess Lake Improvement Project:

A. AQUATIC PLANT CONTROL

1. Conduct three GPS-guided surveys of the lake during the growing season to determine the scope of work to be conducted by the plant control contractor.
2. Provide geo-referenced maps to the plant control contractor to guide plant control work.
3. Conduct surveys of the lake to evaluate contractor performance.
4. Coordinate plant control activities to ensure work proceeds in an environmentally sound and cost-effective manner.
5. Confer with an authorized Lake Board representative regarding nuisance aquatic plant growth and contractor performance.
6. Maintain a written record of the date, scope, and cost of plant control activities and prepare an annual summary of plant control activities including dates of treatment, herbicides applied, acres treated, and plants targeted.
7. Conduct a late-season hydroacoustic survey of the entire lake and measure plant bio-volume (i.e., the height of plants in the water column).
8. Conduct a late-season point-intercept survey in which GPS reference points would be established at 300-foot intervals along the shoreline and across the entire lake. At each reference point, a thatch rake would be used to collect plant samples and the type and relative abundance of each plant species would be recorded.

B. WATERSHED MANAGEMENT

1. Solicit a proposal to conduct a geomorphological evaluation of Wheeler Drain to evaluate the cause(s) of stream instability.

C. PROJECT ADMINISTRATION

1. Attend Lake Board meetings and assist the Board with project administration.
2. Review contractor invoices and guide the Lake Board in making payments to the plant control contractor.
3. Submit a Rule 97 Certification of Approval permit application to the Michigan Department of Environment, Great Lakes, and Energy for a possible alum treatment of Hess Lake to determine the scope of monitoring that will be required should a project be implemented.
4. Maintain contact the United States Geological Survey to obtain information on the status of the harmful algae bloom (HAB) monitoring on Hess Lake.

Hess Lake Alum Treatment Application for Rule 97 Certification

Description and purpose of the proposed water resource management project. A copy of any relevant standard operating procedures should be provided, if available.

Historically, Hess Lake supported abundant rooted plant growth. However, in recent years, rooted vegetation that was once prevalent in the lake has been replaced by persistent algae blooms and poor water clarity which are preventing the establishment of rooted plants in the lake. The cyanobacteria (i.e., blue-green algae) that are currently dominant in the lake have the potential to pose public health concerns and elevated cyanotoxin levels have been measured in the lake. A treatment of Hess Lake with aluminum sulfate (alum) is proposed to remove phosphorus and suspended sediment from the water column, improve water transparency, and promote the re-establishment of macrophytes in the lake. The intent of the alum treatment is to shift Hess Lake from phytoplankton dominance toward macrophyte dominance.

With respect to operating procedures, alum will be applied from a customized barge, equipped with an application boom. The vessel will have an application rate of 30,000 gallons per day and the minimum application water depth will be two feet.

The alum will be stored onboard the vessel in polyethylene tanks. Onboard pumps will supply the alum to application ports on spray bars. All piping will be stainless steel or heavy-duty HDPE tubing. Type 316 stainless-steel fittings will be used in areas where contact with liquid alum is anticipated. All couplings and connectors for distribution lines, storage tanks, pump and injector units will meet corrosion resistance standards for alum.

Alum injection lines with jet nozzles will be suspended from the application boom and will penetrate the water surface. The alum will be injected under pressure to flash mix with lake water.

The pumping system on the application vessel will be automatically controlled by a GPS system that varies the flow rate with boat speed and bathymetric measurements to ensure the target dose rate of alum is achieved. Water depth will be measured from the vessel by sonar. pH will be monitored in real time on the vessel.

Name and/or type of water body(ies) potentially affected by the proposed project.

Hess Lake.

Geographic location(s) of the specific water body(ies) potentially affected by the proposed project. The county, township/range/section data should be included to identify the affected site(s) location.

Hess Lake is located in Sections 4 and 5 of Grant Township and Sections 31, 32, and 33 of Brooks Township (T.11-12N; R.12W) in Newaygo County, Michigan.

Name of material(s) to be applied to the water body(ies). A Material Safety Data Sheet and product manufacturer's label should also be included. If bacteria are being used in the treatment, all bacterial strains, other ingredients, and any trace name formulations should be listed.

Liquid aluminum sulfate. Material Safety Data Sheet is attached.

Specific time period when the treatment will occur. It is acceptable for a single request to cover multiple treatment applications scheduled over an extended time period (e.g., ten treatments of water body(ies) planned from April to November with a spacing of three to four weeks between treatments).

The project is tentatively scheduled to be conducted in May or June of 2023.

Total load(s) and dosage concentration(s) of the materials to be applied to the water body(ies). If the proposed dosage deviates from dosage recommendations on the manufacturer's label, a brief explanation should be provided.

Aluminum sulfate is proposed to be applied at a rate of approximately 8 mg Al/L or 28.35 g Al/m², or 228,378 gallons of aluminum sulfate over the entire lake surface pending the results of jar tests.

HLB 12-22-2021 Grant money from State of Michigan

Is this a formal Meeting of the HLB? *Yes*

1. Do we want to proceed with the grant. Yes/No

If No, Meeting is over

IF Yes, Bart/Tony will talk about how we got here.....

2. What do we want to go after? (The email from the DNR specifically stated to drop the Alum treatment out of our proposal.) **"We therefore recommend that you remove the alum component from the application if you choose to submit a full application"**
"first addressing the sources of the nutrients"

A. Carp? We recently had a Webinar from a company called Carp Solutions and the attached paper talks about their success story of a similar lake situation to Hess Lake.

Tony, did you contact Carp Solutions?

Is the someone in Michigan that can do the same thing?

B. Another option in the paper is to perform a fish kill and restocking.

Chemical Rotenone Mostly Targeted Carp?

What do we know about Rotenone? Permits? Is it viable in Michigan?

C. Is there maybe some further analysis or engineering solution to what can be done in the Wheeler Drain?

D. Septic Systems

E. Other...

3. All of this has to be submitted by January 21. So we have a lot to decide and do if we want to proceed. Who needs to do what ?

What help do we need?

Adjourned at 2:47

Project Work Journal
Hess Lake

021 Beginning Balance: \$38,000.0

Date	Type	Results	Target Species	Qty	Dose Rate	Cost	Remainin Balance	
7/25/2021	Survey	RCB, KEK: Milfoil found near shoreline areas.						
	Treatment Date	Type						
6/3/2021		Diquat dibromide @ 1 gal/acre	Curly-leaf Pondweed	2.00 acre(s)		\$328.00	\$37,672.0	
6/3/2021		Diquat dibromide @ 1 gal/acre + 4 PDU ProcellaCOR	Eurasian Milfoil	21.25 acre(s)		\$11,135.00	\$26,537.0	
						Invoice 6762 Total	\$26,537.0	

7/21/2021 Survey RCB, KEK, Bart, Nancy, Rich: Treatment areas look great. No additional treatment needed at this time.

7/26/2021 Survey RCB, KEK, Bart & Nancy C, Mary S: Little milfoil growth found. Few native plants present. Chara found on the mid-lake sandbar. No treatment needed at this time.

7/1/2021 Survey RCB, JML, Bart and Nancy C: AVAS. Good lily growth. Couldn't find the chara as found in July.

The budget for the proposed Hess Lake improvement project is shown below:

**Hess Lake Improvement Project
Proposed Annual Budget
2021 Through 2025**

<u>Improvement</u>	<u>Annual Cost</u>
Aquatic Plant Control	\$64,500
Watershed Management	\$6,000
Administration and Contingency	\$10,000
Total Annual Cost	\$80,500

The Special Assessment District for Hess Lake includes all properties within 500 feet of the lake. Waterfront properties are proposed to be assessed 1.0 unit of benefit; back lot properties are proposed to be assessed 0.5 units of benefit; third tier are proposed to be assessed 0.25 units of benefit; and commercial lots are proposed to be assessed 2.0 units of benefit.

It is proposed that the \$80,500 annual cost of the project be assessed for a five-year period (2021 to 2025). The first installment of the assessment would appear on the December 2020 tax bill. Approximate assessments based on this approach are shown below:

**Hess Lake
Improvement Project Assessments**

	Assessment Units	2021-2025 Annual Assessment
Waterfront.....	1.....	\$168
Backlot.....	0.5.....	\$84
Third tier.....	0.25.....	\$42
Commercial.....	2.....	\$336



FISHERIES HABITAT GRANT PROGRAM FULL PROPOSAL APPLICATION FORM

Instructions:

1. Complete the form below.
2. Please refer to the 2021 Fisheries Habitat Grant Program (FHGP) Handbook for guidance on overall program goals, priorities, and eligibility.
3. Questions on the application process should be directed to:
Joe Nohner: 517-599-6825 or by email at nohnerj@michigan.gov; or Chip Kosloski: by email at kosloskic3@michigan.gov.
4. Full application packets must be emailed to kosloskic3@michigan.gov no later than January 21, 2022. Late applications will not be considered for funding. No hard copies are required. A list of required contents for all full application packets is included in the 2021 FHGP Handbook.

Please note: Information in this application may be used in DNR communications regarding the grant; the DNR will credit photography to its source if a citation is provided.

Applicant Organization:

Project Title:

Project Details:

1. To what themes are you applying? Check all that apply. The maximum grant amount is the sum of available funding in the themes for which a project is eligible.
 - Aquatic habitat conservation (approximately \$1,140,000 available for 2021): Funding to improve fish and other aquatic organism populations by protecting intact aquatic habitat and rehabilitating degraded aquatic habitat.
 - Dam management (approximately \$265,000 available for 2021): Funding and technical assistance to manage dam removal and repair projects that will enhance aquatic resources and fishing opportunities along with reducing infrastructure costs and improving public safety.
 - Aquatic habitat and recreation in the Au Sable, Manistee, and Muskegon watersheds (approximately \$185,288 expected available for 2021): Funding to support fisheries habitat rehabilitation or enhancement, preparation of comprehensive river management plans, aquatic studies, and fisheries recreation with surface water connections to the aforementioned rivers.
2. Public access. Public waters are those that have public access or are permanently connected to a water body with public access. Direct public access means that the site can be readily accessed from public access points, including boat launches that require a fee.
 - Project is on a public water with direct public access.
 - Project is on a public water without direct public access.
 - Project is on a water that is not permanently connected to other waters but has been stocked with fish from DNR (or its predecessors) hatcheries.

Projects is on a water body without public access and that has never been stocked with fish from DNR (or its predecessors) hatcheries. STOP NOW; this project is ineligible.

3. Consultation

Applicants have consulted with the DNR Fisheries Biologist responsible for managing this water body. (Please provide documentations such as an email, phone conversation summary, or letter of support).

Fisheries Biologist name _____

4. Mussels

No mussel surveys are required for permitting.

Mussel surveys are required for permitting, but not yet complete.

Required mussel surveys have been completed. Please attach relocation plan if necessary.

5. Invasive species plan (required for projects with a construction phase)

This project has a plan for minimizing the spread of invasive species during construction. Please attach plan.

Not applicable; this project does not include a construction phase.

6. Project design status

No design completed.

Conceptual design (e.g. 30%) completed. Please attach designs to your application.

Preliminary engineering design (e.g. 60%) completed. Please attach designs to your application.

Full engineering design (e.g. 90%/final) completed. Please attach designs to your application.

7. For projects applying to the "Aquatic habitat and recreation in the Au Sable, Manistee, and Muskegon watersheds" theme, in which watershed(s) is this project located?

Au Sable

Manistee (does not include the Little Manistee)

Muskegon

8. Conditional commitment. For a limited number of very high-quality projects that do not currently have match funding or other requirements in hand, we may offer conditional funding commitments. Please see the handbook for details. Are you requesting a conditional commitment of future project funding?

No, we request funding from this grant cycle.

Yes. The project would be expected to start on October 1 of _____ (insert year), after the applicant secures the necessary (check all that apply)

Permission

Funding

Other _____

How will strategies of navigating those obstacles be documented to guide future projects of a similar nature?

9. **Sustainability of project benefits**-250 words. How quickly will the benefits of the project be realized, how long are they expected to last, and how will those benefits be sustained over time?
10. **Budget narrative and work plan**-500 words. Explain the expected timeline of major project tasks. Outline and describe the likely costs of each project component and any opportunities for cost savings.
11. **Cost effectiveness**-300 words. Why is this project a good investment of limited conservation dollars? How do the benefits outweigh the costs?
12. **Project team**-250 words. Demonstrate the applicant's ability to implement a project of this nature. Outline how typical project roles such as manager, engineer, partners, and public involvement will be selected or handled during this project. Include any recent examples the project team may have with this type of project.
13. **Necessary authorizations**-250 words. Does this project have any special considerations and how will you address them? This may include mussels, threatened and endangered species, contaminated sediment, sea lamprey management, State Designated Natural River permitting, and/or other regulatory considerations.

How will strategies of navigating those obstacles be documented to guide future projects of a similar nature?

9. **Sustainability of project benefits**-250 words. How quickly will the benefits of the project be realized, how long are they expected to last, and how will those benefits be sustained over time?
10. **Budget narrative and work plan**-500 words. Explain the expected timeline of major project tasks. Outline and describe the likely costs of each project component and any opportunities for cost savings.
11. **Cost effectiveness**-300 words. Why is this project a good investment of limited conservation dollars? How do the benefits outweigh the costs?
12. **Project team**-250 words. Demonstrate the applicant's ability to implement a project of this nature. Outline how typical project roles such as manager, engineer, partners, and public involvement will be selected or handled during this project. Include any recent examples the project team may have with this type of project.
13. **Necessary authorizations**-250 words. Does this project have any special considerations and how will you address them? This may include mussels, threatened and endangered species, contaminated sediment, sea lamprey management, State Designated Natural River permitting, and/or other regulatory considerations.