East Goose Lake Neighborhood Conversation

December 1, 2020 6:30 pm

Agenda

1. Welcome

Webinar housekeeping
Staff introductions
Welcome message

2. Introduction to East Goose Adaptive Lake Management (ALM)

3. Input session

4. Next steps and engagement

Adaptive Lake Management

- ALM and associated benefits
- Steps to implement ALM approach
- Possible Management projects

Importance of a healthier East Goose Lake?

- Gateway to City from Hwy 61
- Recreation: Boating, wildlife viewing

  Future potential: Fishing
- Businesses and residents all benefit from a healthy lake:
  - Visual appeal
  - Property values
  - Watershed connections (Lambert Creek)

Importance of a healthier East Goose Lake?

Impaired Waters/TMDL Requirements

- A Total Maximum Daily Load (TMDL) shall be determined for waters identified on the MPCA impaired waters list.
- TMDL report determined the City's allowable nutrient load to Goose Lake and the reduction needed to meet this nutrient load.

MS4 Requirements

- MS4's that discharge to an impaired waterbody with an assigned TMDL must report pollutant reduction progress in the MS4 annual report.

TMDL = maximum amount of a pollutant that a waterbody can receive without violating water quality standards

VLAWMO

Recent Actions

Spring 2020 - VLAWMO Board directed:

- No longer pursuing temporary boating restriction, nor BWSR alum grant

Summer/Fall 2020 - City and VLAWMO staff:

- Discussed possible options for stakeholder engagement framework, financial partnership
- Met with City Manager Hiniker and CM Jones
- Investigated shallow lake management in neighboring watersheds
- Constructed boat launch

City and VLAWMO Boards begin Adaptive Lake Management (ALM) approach

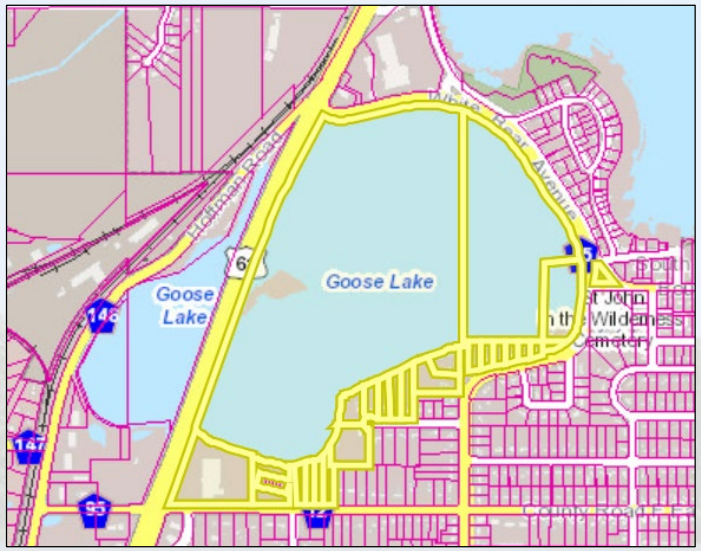
- Timeframe based on stakeholder engagement and continuous evaluation
- Frequent partner check-ins, monitoring, surveys
- Transparent process with incremental results, clear communication, and explicit recognition of challenges

Goal: Improved water quality and a healthier lake.

Overall Steps to implement ALM approach

Step 1: Input	**Neighborhood meeting** Mailing follow-up, stakeholder survey, web resource
Step 2: Continue developing the ALM approach and authorize initial projects	Goals and projects established, selected and initial projects authorized
Step 3: Implement initial projects	Feedback and evaluation of project implementation
Step 4: Based on feedback and results, continue implementing ALM projects	Feedback and evaluation of project implementation

Step 1: Input and listening



Neighborhood conversation, mailing follow-up

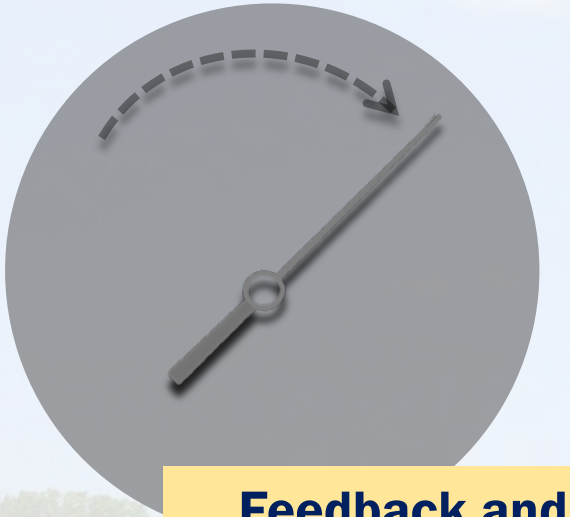
Continued input, community conversation

Web resources, stakeholder survey

VLAWMO

Steps 2 - 4: Possible ALM actions

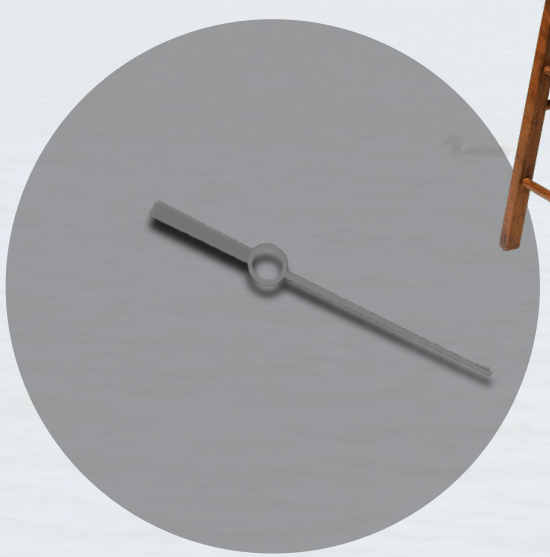
Fish Management



Vegetation Management

Feedback and evaluation informs project selection and intensity

Subwatershed BMPs



Internal load management

Proposed 2021 Projects

- Fish removal/demonstration

  In partnership with the DNR
- Fish stocking demonstration /research

  As recommended by DNR /VLAWMO purchased
- ALM development and stakeholder engagement

  Media use/COVID adapted

Steps 2 - 4: Possible ALM actions

Fish Management

Possible fish management projects may include:

- Bullhead removal and monitoring
- Predator fish stocking
  (diversity, game fish)
- Aeration demonstration
  (winter oxygen levels)

Steps 2 - 4: Possible ALM actions

Vegetation Management

Possible vegetation management projects may include:

- Treating invasive species (curly-leaf pondweed)
- Veg management for recreation

Steps 2 - 4: Possible ALM actions

Possible Subwatershed Best Management Practices (BMP's) may include:

- Underground filtration basins
- Raingardens, bio-swales
- Cost-share program
- Adopt-a-Drain (adopt-a-drain.org)

County Road F curb-cut raingardens

Subwatershed BMPs

Steps 2 - 4: Possible ALM actions

Possible Internal Load Management Projects may include:

- Alum treatment
- 1 or 2 treatments
- Lake monitoring: sediment, water quality

Studies have identified internal load as the largest pollutant contributor

Internal load management

Input session

- 30 minutes for input. 3 questions, five minutes each.
- Another opportunity for input through mailing that will be sent immediately following the meeting to all lakeshore homeowners
- Speaking tonight invited but not required
- Create an environment of mutual respect and provide balanced opportunities to contribute.
- How will this be used? Recorded, synthesized, and brought into upcoming engagement.

Question #1

Do you have comments of support or reservations about the proposed 2021 Adaptive Lake Management projects?

Proposed 2021 Projects:

- Fish removal /demonstration

  In partnership with the DNR

- Fish stocking demonstration /research

  As recommended by DNR /VLAWMO purchased

- ALM development and stakeholder engagement

  Media use/COVID adapted

Question #2: Reflecting on each possible ALM Action

Fish Management

Vegetation Management

Subwatershed BMPs

Internal load management

2a) When considering Fish Management projects, do you have comments of support or reservations?

Fish Management

Possible fish management projects may include:

- Bullhead removal and monitoring
- Predator fish stocking
- Aeration demonstration

2b) When considering Vegetation Management projects, do you have comments of support or reservations?

Vegetation Management

Possible vegetation management projects may include:

- Treating invasive species (curly-leaf pondweed)
- Veg management for recreation

2c) When considering Subwatershed Best Management Practices, do you have comments of support or reservations?

Subwatershed BMPs

Possible Subwatershed Best Management Practices (BMP's) may include:

- Underground filtration basins
- Raingardens, bio-swales
- Adopt-a-Drain program

2d) When considering Internal Load Management projects, do you have comments of support or reservations?

Internal load management

Possible internal load management projects may include:

- Alum treatment
- 1 or 2 treatments
- Lake monitoring: sediment, water quality

Question #3:

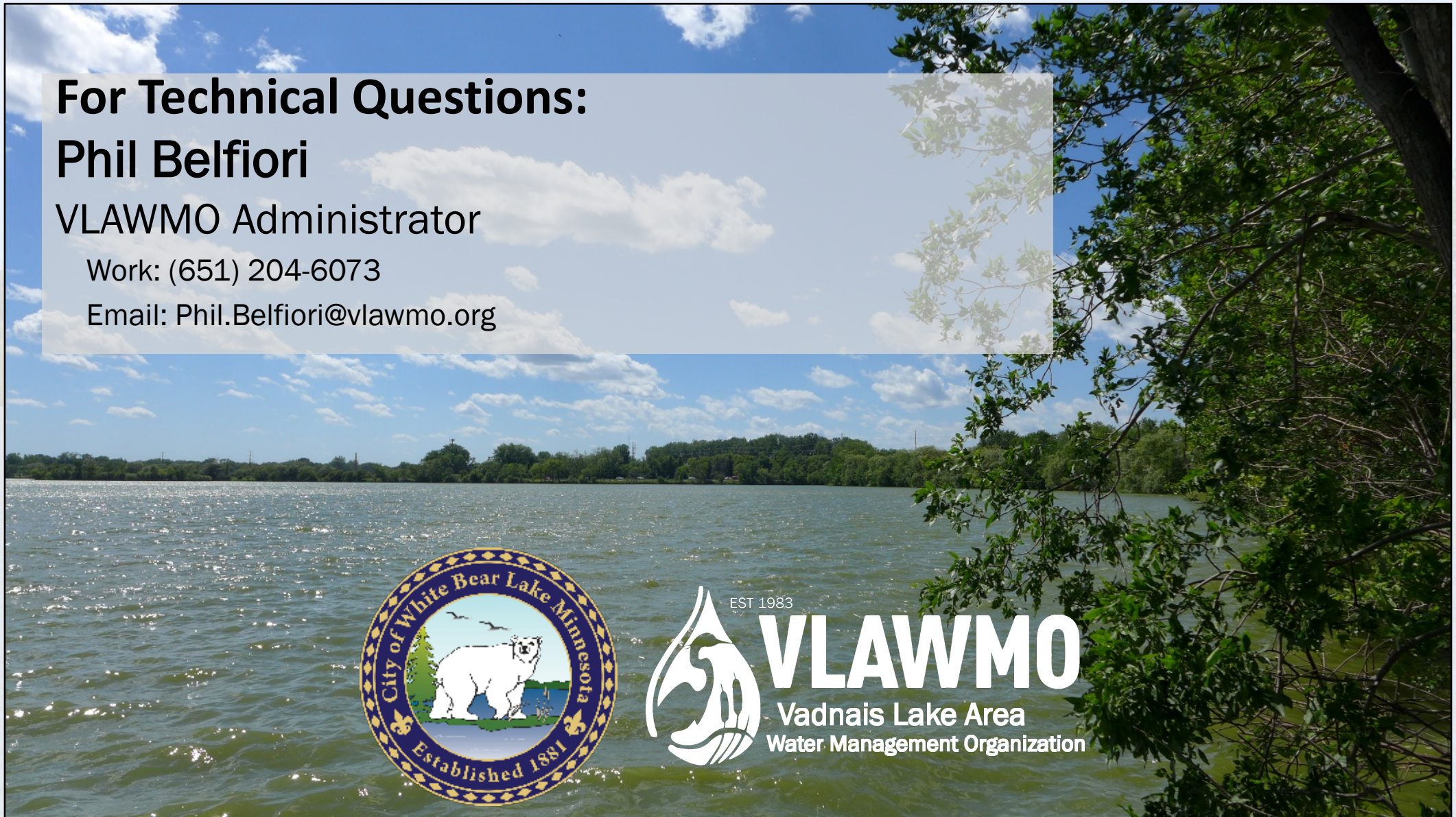
Is there anything else that you would like to tell us at this time?

Next steps and engagement

- Hardcopy response form sent to all lakeshore owners: More detailed responses and requests

  Due January 8th
- Early 2021: Public web resource (summaries, media, and updates), survey
- Adaptive process with additional roll outs in 2021
- Email notification when web hub is live

Questions


For Technical Questions:
Phil Belfiori
VLAWMO Administrator
Work: (651) 204-6073
Email: Phil.Belfiori@vlawmo.org
City of White Bear Lake Minnesota
Established 1881
EST 1983
VLAWMO
Vadnais Lake Area
Water Management Organization