

FAIRY LAKE WATER QUALITY STUDY IMPLEMENTATION PLAN

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Council Meeting
May 5, 2025



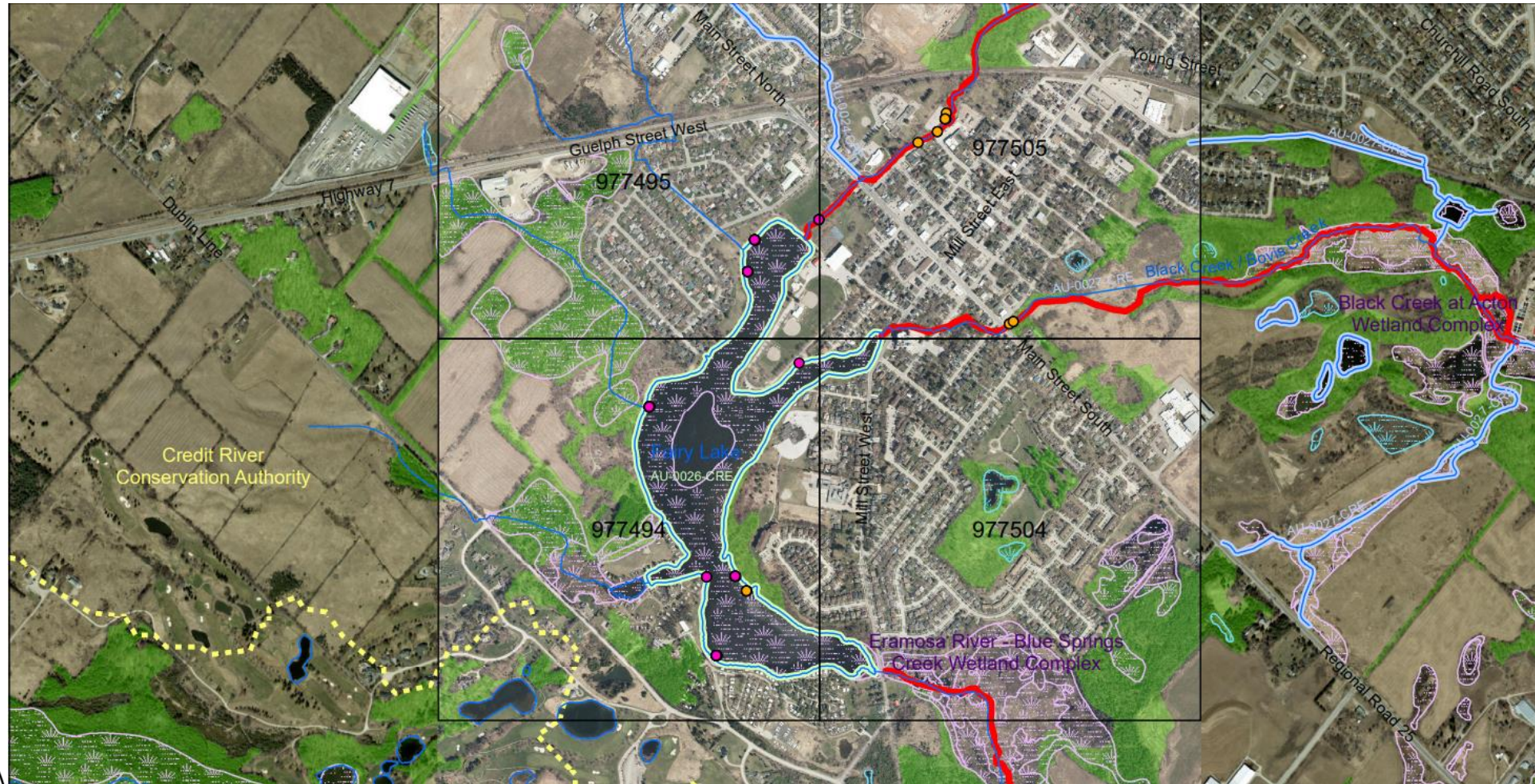
PRESENTATION OVERVIEW



1. Fairy Lake Water Quality Study (FLWQS) project overview
2. Development of the FLWQS implementation plan
 - Consultant recommendations
 - Public feedback
 - Stakeholder input
3. Implementation plan structure, actions and budget



FAIRY LAKE WATER QUALITY STUDY - OVERVIEW



FAIRY LAKE REVIVAL – OVERVIEW

Black Creek Subwatershed Study

- CVC-led
- Watershed-wide

Shared goals,
collaboration,
coordination &
resource sharing

Fairy Lake Water Quality Study

- Town-led
- Fairy Lake-focused

Black Creek
Advisory Group
Coordination

Fairy Lake Water Quality Update Report, 2021-2022

for:

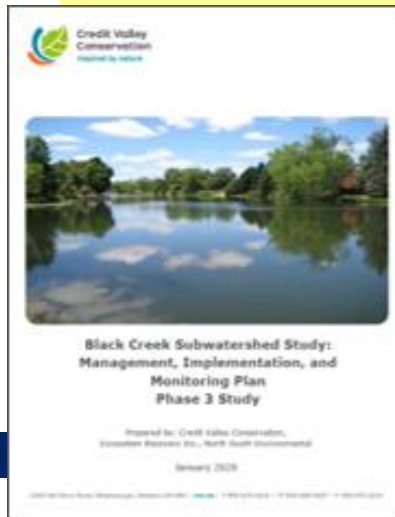


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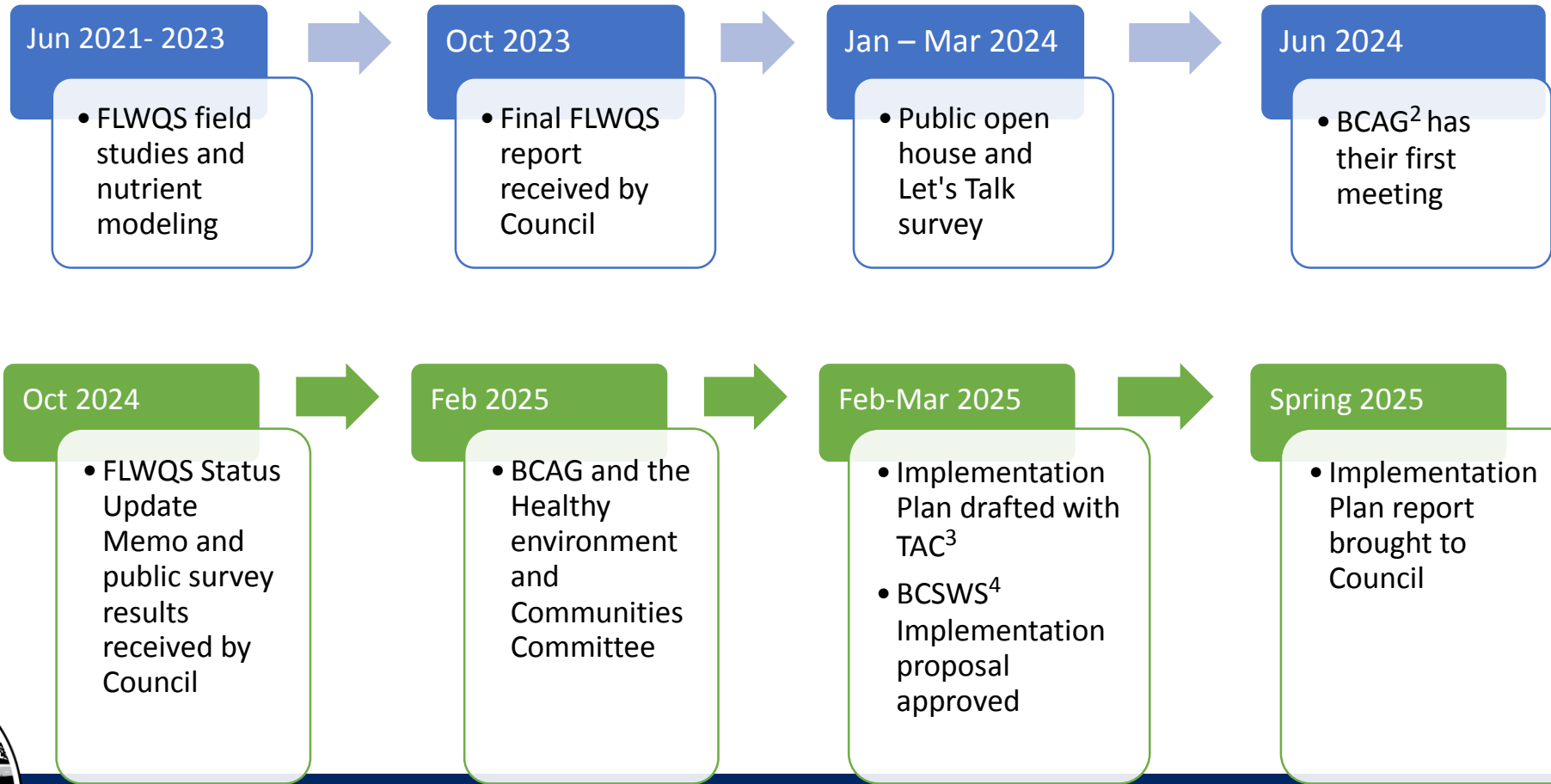


LGL Limited
environmental research associates

May 2023
LGL File TA9122



FAIRY LAKE REVIVAL – OVERVIEW

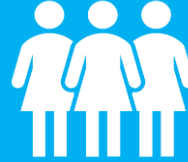


1. Black Creek Advisory Group
2. Technical Advisory Committee
3. Black Creek Subwatershed Study

IMPLEMENTATION PLAN DEVELOPMENT

Fairy Lake Water Quality Study Implementation Plan

Public Consultation



- Public Survey Results
- Open House Feedback
- Community Correspondence

Stakeholder Guidance



- Black Creek Advisory Group
- Technical Advisory Committee
- Healthy Environment and Communities Committee
- Ward Councillors

BCSWS¹ Proposal



- CVC-led actions in the BCSWS³ Implementation Proposal approved Mar 19



3. Black Creek Subwatershed Study

IMPLEMENTATION PLAN SUMMARY

- 5-year plan: 2025-2030
- 27 Actions are split into three phases
 - Phase 1: 2025-2026
 - Phase 2: 2026-2027
 - Phase 3: 2028-2030
 - Ongoing: 2025-2030
- Scope and timeline of implementation will be based on resource availability



IMPLEMENTATION PLAN SUMMARY

- All **12 recommendations** from the FLWQS report are represented
- **Black Creek Subwatershed Implementation Plan** projects are captured
- **27 actions** and their associated FLWQS recommendation, cost, funding source, public consultation and lead/support personnel
- Actions to be funded by existing **\$50K Fairy Lake capital budget** are highlighted
- Actions requiring future **council consideration** and approval are identified
- Includes comprehensive and ongoing community engagement



IMPLEMENTATION PLAN ACTIONS

Phase 1: 2025 – 2026 - \$149K

- Invasive species removal
- Shoreline naturalization
- Frequent beach cleaning
- Enhanced waterfowl management report
- Wetland and Bovis Channel Restoration Feasibility studies
- Mayor's Fishing Derby to raise awareness about Round Goby

Ongoing: 2025 – 2030 - \$1.9M

- Fairy Lake SNAP⁴ - community/business incentives, interpretive signage, community programming, and stewardship partnerships
- CVC's Halton Rural Water Quality Program

Phases 2 to 3: 2026 – 2030

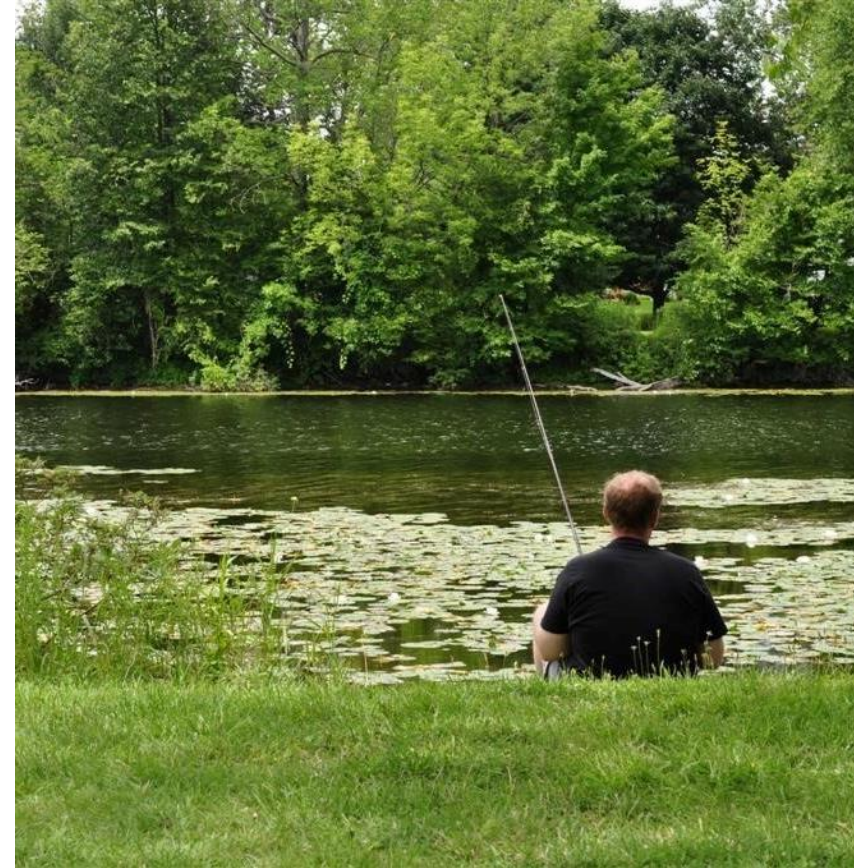
- Routine water quality monitoring approach
- Fairy Lake and Surrounding Parks Master Plan – recreation opportunities including trails, access points, public art, cultural programming, etc.
- Catchbasin cleaning program improvements
- Low Impact Development Feasibility report
- Bylaw and policy review



4. Sustainable Neighbourhood Action Plan

NEXT STEPS – IMPLEMENTATION KICK-OFF

- Future public engagement will help guide implementation via SNAP
- Early implementation plan actions
 - Mayor's Fishing Derby
 - Fairy Lake Master Plan – additional recreation opportunities
 - Stewardship, including shoreline naturalization and invasive species removal
 - Frequent beach cleaning
 - Enhanced waterfowl management report
 - Wetland and Bovis Channel Restoration Feasibility studies



ACKNOWLEDGMENTS

- Community groups
 - Friends of Fairy Lake
 - Halton Hills Turtle Guardians
 - Halton North Peel Naturalists
 - Halton Environmental Networks
 - POWER⁵
 - Holy Cow Canoe
 - Acton Legion
 - Acton Agricultural Society
 - Breezes Trailer Park and Smallwood Acres Trailer Park
- Public surveys ~ 300 responses
- Open house ~ 70 attendees
- Credit Valley Conservation
- Halton Region
- Fairy Lake Technical Advisory Committee
- Cross-departmental Town Staff
- Black Creek Advisory Group
- Healthy Environment and Communities Committee



5. Protect Our Water and Environmental Resources

QUESTIONS AND FEEDBACK

