

Fairy Lake Water Quality Study Implementation Plan

Action ID = Future Council approval required

Town Cost = Actions to be funded through approved capital

ONGOING - 2025-2030							
Action ID	Description	Related Recommendation	Town Cost	External Funding	Lead	Support	Public Consult
4.1.1	Implement CVC Halton Rural Water Quality Program	1. Review existing agricultural best management practices as part of the watershed rural incentives program and introduce new or enhanced BMPs		\$500K- pending approval- Halton Region	CVC	CS BCAG	
4.9.1	Develop and implement the Fairy Lake/Acton Sustainable Neighbourhood Action Plan. Include consideration for community/business incentives, interpretive signage, community programming, and stewardship partnerships	9. Engage local property owners and businesses adjacent to, or with a surface water connection to the lake	Staff time	\$1.4M Halton Region	CVC	CS TPW BCAG	Yes
4.10.1	Track and report on progress of Fairy Lake Implementation Plan and report to Council annually.	10. Monitor the effectiveness of management activities at meeting targeted goals	Staff time		CS	BCAG; CVC	
4.11.1	Coordinate Fairy Lake and subwatershed actions and goals through the Black Creek Subwatershed Advisory Group and Fairy Lake/Acton SNAP	11. Coordinate efforts of various stakeholders to align goals and share available resources	Staff time		CS	BCAG; CVC	Yes

PHASE 1 – 2025 - 2026

Action ID	Description	Related Recommendation	Town Cost	Funding Source	Lead	Support	Public Consult
1.2.1	Assess catchbasin cleaning program to identify opportunities for improvements to reduce sediments to Fairy Lake	2. Storm sewer retrofits & maintenance	FL Capital Est. \$10K		TPW	CS; BCAG	
1.4.1	Complete Bovis Channel Restoration Feasibility Study and Recommendations Report	4. Natural channel design		\$44K Halton Region	CVC	CS; TPW; BCAG	Yes - SNAP
1.5.1	Complete Wetland Design Feasibility Study and Recommendations Report for potential wetland creation at inlets to Fairy Lake	5. Wetland design		\$42K Halton Region	CVC	CS; TPW; BCAG	Yes - SNAP
1.6.1	Develop a phragmites inventory and management plan	6. Vegetation management		In-Kind CVC	CVC	CS; BCAG	
1.6.2	Identify and prioritize potential naturalization and tree planting strategy and locations around Fairy Lake	6. Vegetation management	Staff time		CS	BCAG	Yes - SNAP
1.6.3	Plant native trees, shrubs, and perennials in priority areas around Fairy Lake	6. Vegetation management	\$5K	\$5K Pending GCCC In-kind CVC	CS	BCAG; CVC	Yes – as part of 1.6.2
1.6.4	Implement phragmites management plan	6. Vegetation management	FL Capital Est. \$15K	Will apply for grant (50% funding)	CS	BCAG	
1.7.1	Develop enhanced waterfowl management report	7. Waterfowl management	FL Capital Est. \$10 K		CS	BCAG; TPW	Yes
1.8.1	Implement pilot project to trial more frequent beach maintenance	8. Increase level of beach maintenance	FL Capital \$15K		TPW	BCAG; CS	
1.12.1	Host Mayor's Fishing Derby to raise awareness about Round Goby and other invasive species while building community and providing recreational opportunities	12. Increase recreational infrastructure and opportunities	\$3K	In-Kind partners; \$3K grant pending	CS	BCAG; CVC	Yes
1.12.2	Identify actions to support increased recreation opportunities and scope the Fairy Lake and Surrounding Parks Master Plan	12. Increase recreational infrastructure and opportunities	Staff time		CS	BCAG	Yes

PHASE 2 – 2026-2027

Action ID	Description	Related Recommendation	Town Cost	Funding Source	Lead	Support	Public Consult
2.2.1	Review results of catchbasin cleaning program assessment to determine any suitable actions to reduce sediments in Fairy Lake	2. Storm sewer retrofits & maintenance	Staff Time		TPW	CS; BCAG	
2.4.1	Report back to Council on Bovis Channel Restoration Feasibility Report for further direction	4. Natural channel design	TBD	TBD	TPW	CS; BCAG	Yes
2.5.1	Report back to Council on Wetland Design Feasibility Report for further direction	5. Wetland design	TBD	TBD Halton Region	TPW	CS; BCAG	Yes
2.7.1	Report back to Council with the enhanced waterfowl management report and consider pilot project to trial any council approved actions identified in the report	7. Enhanced waterfowl management	TBD		CS	TPW; BCAG	
2.7.2	Monitor and review the success of any actions implemented in the enhanced waterfowl management pilot project and report back to Council	7. Enhanced waterfowl management	Staff time		CS	TPW; BCAG	Yes
2.8.1	Review beach maintenance pilot project and develop recommended approach and implement any recommendations approved by Council	8. Increase level of beach maintenance	TBD		CS	BCAG; TPW	Yes
2.9.1	Review relevant Town policies and bylaws (e.g. those regarding fertilizer use or LID standards)	9. Engage local property owners and businesses adjacent to, or with a surface water connection to the lake	Staff time		CS	BCAG; Clerk's Office	Yes
2.10.1	Develop recommended approach for routine water quality monitoring with potential for alignment with CLI ECA monitoring	10. Monitor the effectiveness of management activities at meeting targeted goals	Staff time		CS; TPW	TPW; BCAG	
2.12.2	Develop the Fairy Lake and Surrounding Parks Master Plan to support increased recreation opportunities including consideration for trails, access points, public art, cultural programming, etc	12. Increase recreational infrastructure and opportunities	Staff time		CS	BCAG	Yes

PHASE 3 – 2028-2030

Action ID	Description	Related Recommendation	Cost	Funding Source	Lead	Support	Public Consult
3.2.1	Begin implementing any council-approved actions identified in the review of the catchbasin cleaning program assessment	2. Storm sewer retrofits & maintenance	TBD		TPW	CS; BCAG	
3.3.1	Develop Park and ROW LID feasibility report	3. Low impact development (LID) design and retrofits	TBD		TPW;CS	BCAG	
3.7.1	Implement council-approved recommendations from the enhanced waterfowl management pilot project report	7. Enhanced waterfowl management	TBD		TPW	CS; BCAG	
3.9.1	Report back to Council with the results of the bylaw and policy review for further direction	9. Engage local property owners and businesses adjacent to, or with a surface water connection to the lake	Staff time		CS	BCAG; Clerk's Office	Yes
3.10.1	Implement council-approved approach for routine water quality monitoring	10. Monitor the effectiveness of management activities at meeting targeted goals	Est. \$40K		CS	TPW; BCAG	
3.12.1	Implement actions confirmed by Council and identified in the Fairy Lake and Surrounding Parks Master Plan to support increased recreation opportunities including consideration for trails, access points, public art, cultural programming, etc.	12. Increase recreational infrastructure and opportunities	TBD		CS	BCAG	

Additional Projects that support delivery of Fairy Lake Water Quality Study Recommendations:

Project	Related Recommendation	Lead	Support
Invasive Species Management Plan	6. Vegetation management 12. Increase recreational infrastructure and opportunities	CS	BCAG; CVC; TPW
Green Infrastructure Asset Management Plan	6. Vegetation Management 8. Increase Level of Beach Maintenance	CS	TPW
Green Development Standard Update	3. Low impact development (LID) design and retrofits	CS	TPW
Fairy Lake & Surrounding Parks Master Plan	7. Waterfowl management 12. Increase recreational infrastructure and opportunities	CS	
Stormwater Management Master Plan	2. Storm sewer retrofits & maintenance 3. Low impact development (LID) design and retrofits	TPW	
Growing Canada's Community Canopies	6. Vegetation management 12. Increase recreational infrastructure and opportunities	CS	TPW
Consolidated Linear Infrastructure Environmental Compliance Approval (CLI ECA)	10. Monitor the effectiveness of management activities at meeting targeted goals	TPW	
General repair and revitalization projects for existing recreational infrastructure at Fairy Lake	12. Increase recreational infrastructure and opportunities	CS	TPW
Biodiversity Study	5. Wetland design 6. Vegetation management	CS	

Abbreviations:

BCAG - Black Creek Subwatershed Advisory Group

CLI ECA - Consolidated Linear Infrastructure Environmental Compliance Approval

CS – Community Services

CVC – Credit Valley Conservation

GCCC – Growing Canada's Community Canopies

SNAP – Sustainable Neighbourhood Action Plan

TPW – Transportation and Public Works