



KAWARTHA CONSERVATION

Discover • Protect • Restore



Sturgeon Lake Management Plan

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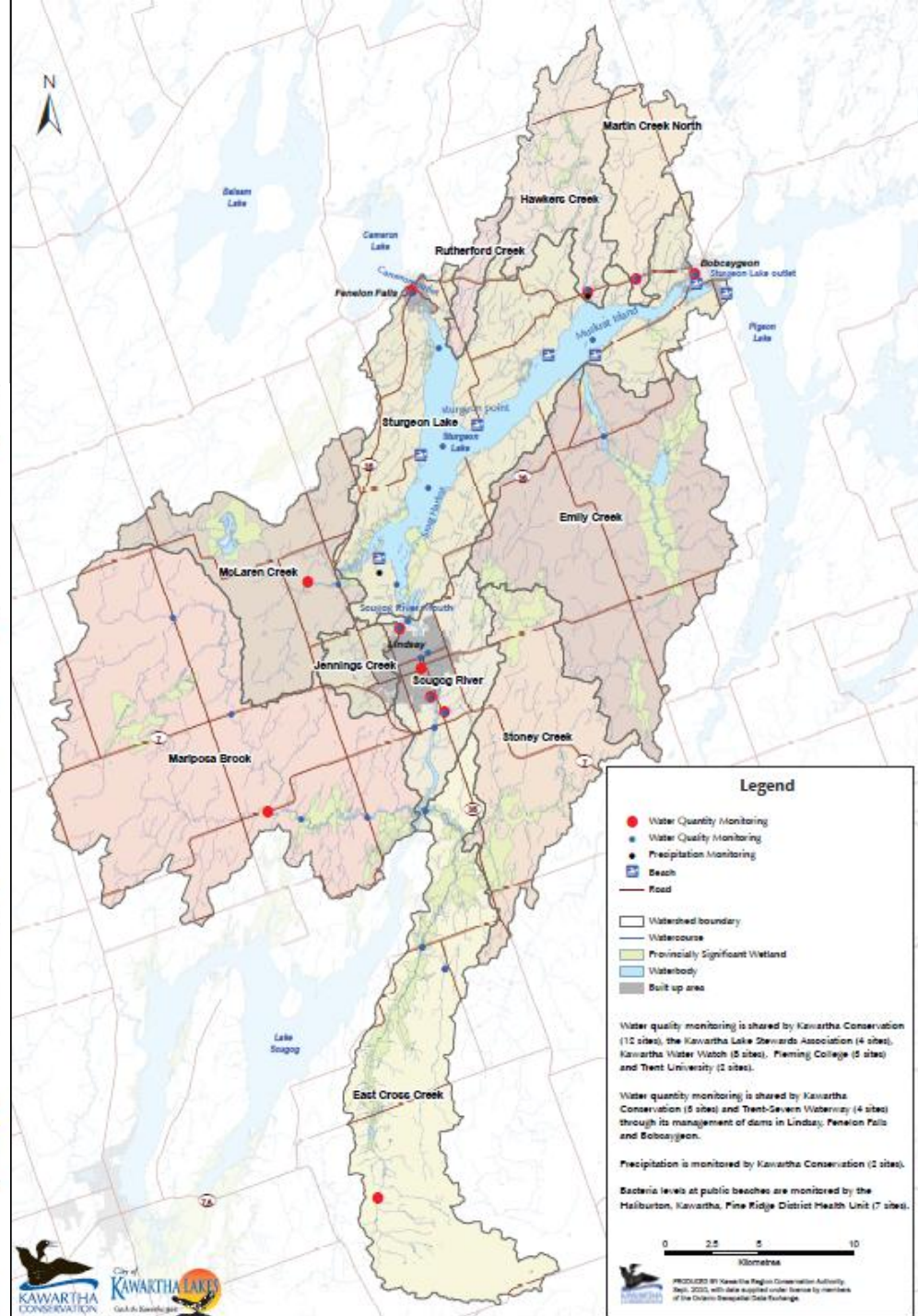
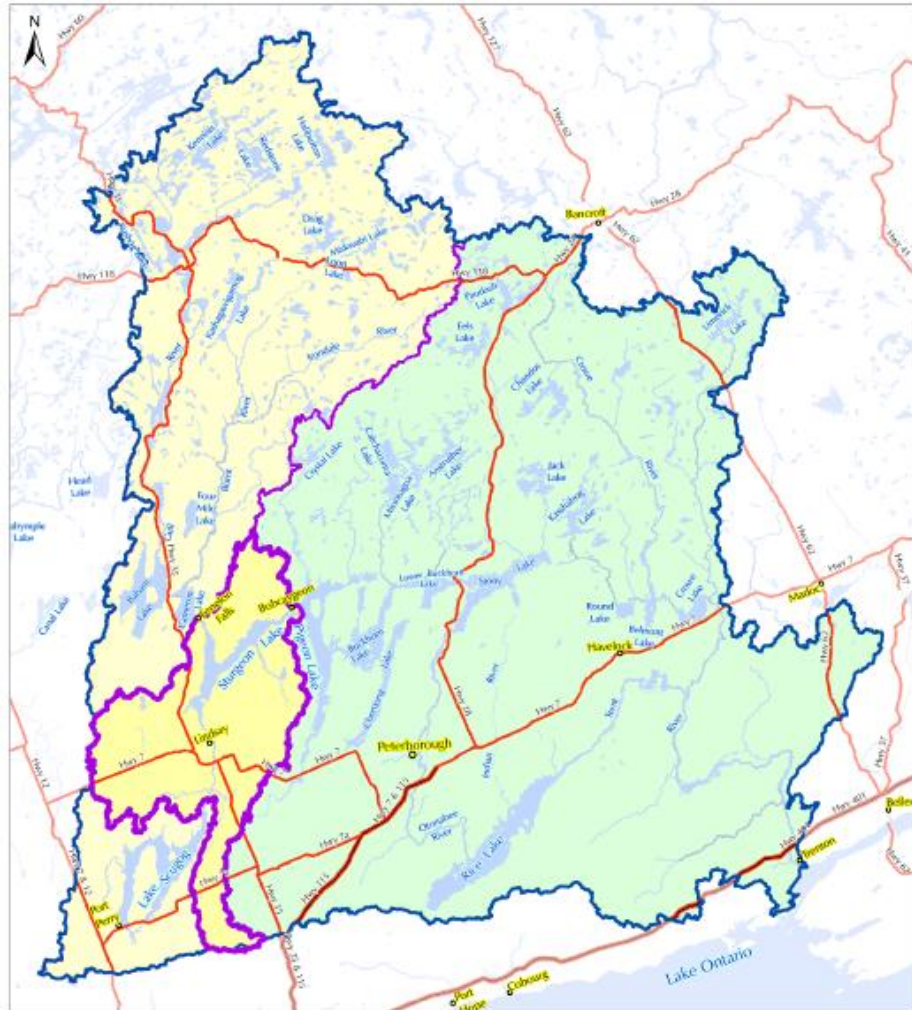


Other Lakes Within Scope of Lake Management Planning

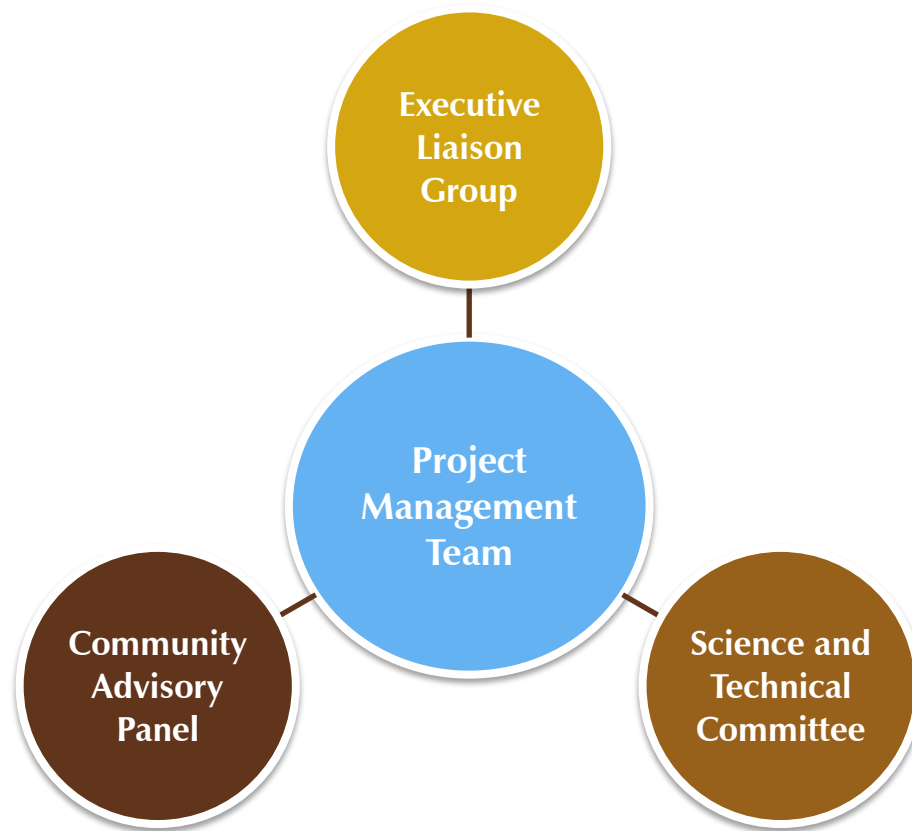
	Year Initiated	Year of Completion
Sturgeon Lake	2010	2014
Balsam and Cameron Lakes	2011	2015
Pigeon Lake	2012	2016
Canal and Mitchell Lakes	2013	2016
Four Mile Lake	2013	2017
Shadow Lake	2014	2018
Head Lake	2014	2018



Lake Planning boundary



Development of the Plan



Community Advisory Panel (CAP)

- *Balsam Lake Cottage Association*
- *Bobcaygeon Shoreline Resident*
- *Cameron Lake Moorings Association*
- *City of Kawartha Lakes Agricultural Development Advisory Board*
- *City of Kawartha Lakes Environmental Advisory Committee*
- *City of Kawartha Lakes, Councilors from local Wards*
- *City of Kawartha Lakes*
- *Federation of Ontario Cottagers' Associations*
- *Fleming College*
- *Gamiing Nature Centre*
- *Haliburton, Kawartha, Pine Ridge District Health Unit*
- *Indian Point Association*
- *Kawartha Conservation*
- *Kawartha Lake Stewards Association*
- *Kawartha Land Trust*
- *Kawartha Protect Our Water*
- *Killarney Bay Cedar Point Cottage Association*
- *North Pigeon Lake Ratepayers Association*
- *Ontario Federation of Anglers and Hunters*
- *Ontario Ministry of the Environment*
- *Sturgeon Point Association*
- *Trent University*
- *Victoria Stewardship Council*

Science and Technical Committee (STC)

- *City of Kawartha Lakes*
- *Ontario Ministry of the Environment*
- *Ontario Ministry of Agriculture and Food*
- *Ontario Ministry of Natural Resources*
- *Haliburton Kawartha Pine Ridge District Health Unit*
- *Fleming College*
- *Trent University*
- *Kawartha Lakes Stewards Association*



Other Consultations

- Individual interviews with over 20 key stakeholders
- CKL-Environmental Advisory Committee
- CKL-Agricultural Development Advisory Board
- Victoria Haliburton Federation of Agriculture
- Open Houses
 - 2011 Fall: Fenelon Falls, Lindsay, Bobcaygeon
 - 2013 Summer: Fenelon Falls, Lindsay, Bobcaygeon, Omemee, Coboconk



Sturgeon Lake Objectives/Issues

Objectives	Issues Addressed
1. Minimize pollution entering the lake from human sources.	<ul style="list-style-type: none">• High concentration of pollution in surface water runoff from urban areas.• Eutrophication through excessive nutrient and sediment inputs into the lake• Other potential sources of contamination
2. Enhance swimming opportunities at public beaches.	<ul style="list-style-type: none">• High <i>E. coli</i> at certain beaches, leading to beach postings
3. Maintain the biodiversity of the lake ecosystem.	<ul style="list-style-type: none">• Proliferation of exotic, invasive species• Loss and fragmentation of natural habitats• Species at risk of disappearance
4. Maintain recreational access along populated waterfront areas.	<ul style="list-style-type: none">• Proliferation of aquatic plants• Poor water circulation in canals



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Objectives	Issues Addressed
5. Enhance and maintain the natural integrity of the shoreline.	<ul style="list-style-type: none">• Urban development along the lake shoreline• Loss of shoreline soil and property frontage
6. Maintain healthy and productive sport fish populations.	<ul style="list-style-type: none">• Decline in walleye populations• Potential future decline in muskellunge due to northern pike range expansion• Contamination advisories for consumption of certain sport fishes caught in Goose Bay
7. Ensure permit application process for works projects is transparent and efficient.	<ul style="list-style-type: none">• Confusion and/or frustration from shoreline owners and contractors
8. Improve our understanding of how the lake will respond to emerging pressures.	<ul style="list-style-type: none">• Lack of coordination of research and monitoring initiatives, and information management.

SLMP - 5 Strategies, 29 Actions

Stewardship:

- 9 actions tailored to rural landowners, urban and shoreline residents, and lake users for implementing best management practices on their properties for the benefit of all and the future health of the lake.

Strategic Planning:

- 5 actions that focus on strengthening the land use planning and policy framework, with an emphasis on updating the municipal Official Plan.

Urban and Rural Infrastructure:

- 4 actions that focus on maintaining sustainable operations for government infrastructure projects and other construction works, including: stormwater and wastewater network, as well as shoreline public-access areas, roads, municipal drains, and all construction sites.

Research and Monitoring:

- 5 actions focused on addressing science-based information gaps to better understand the lake's response to emerging pressures, as well as tracking environmental health and plan effectiveness through time.

Communications and Outreach:

- 6 actions that stimulate dialogue and information sharing among all stakeholders and promote sustainable practices to maintain a healthy lake environment



Strategic Planning Actions

- Strengthen lake protection through CKL Official Plan and Secondary Plans
- Implement recently developed Plans (e.g., CKL-ICSP)
- One-window shoreline permitting between Kawartha Conservation and Parks Canada
- Shoreline site-plan control by-law
- Shoreline tree conservation by-law in forests

Stewardship Actions

- Reduce nutrient and soil loss from farms
- Reforestation program
- Urban lot-level measures for quality/quantity
- Engage school youth and volunteers
- Natural landscaping of shorelines
- Local control of aquatic plants
- Septic inspection program
- Boat management programs
- Invasive species management



Resource Leveraging

In-Kind support - community volunteers, agencies; including plan governance, monitoring and stewardship activities	\$85,100
Academic support -Trent University, Fleming College and University of Toronto	\$49,030
Financial support - Royal Bank of Canada, Toronto Dominion Bank, Ministry of the Environment, Buckeye Marine, and community groups including stewardship councils, Green Trail Alliance	\$137,750
Total value of in-kind and cash contributions	\$271,880



Next Steps

- CKL Special council meeting – Mar27
- Develop 2014 Implementation Workplan, and coordinate with CAP
- Use project as base for ALL other Lake Management Plans within project scope

