

Where have we come from, and what does the future hold?

Lake Simcoe Region Conservation Authority Board of Directors

March 24, 2023

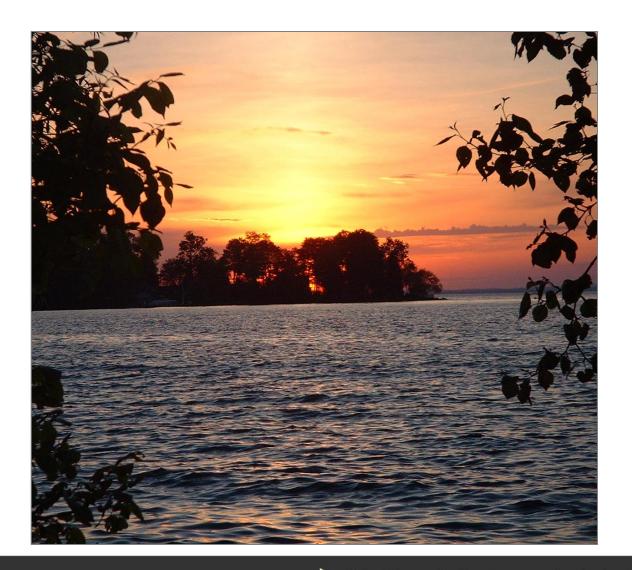
Pam Strong





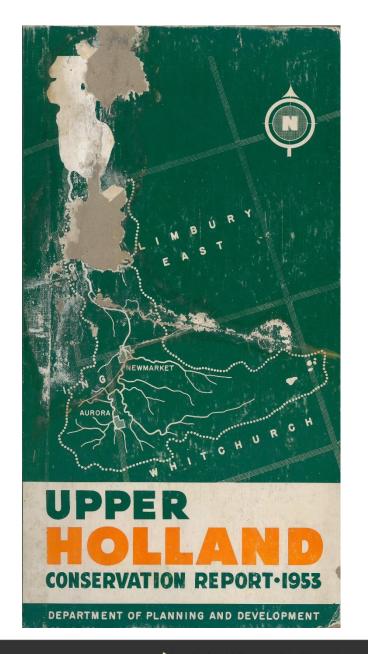
Overview

- Early plans
- Current Conservation Authority subwatershed plans
- Implementation successes
- Lessons learned
- Development of a new subwatershed plan framework

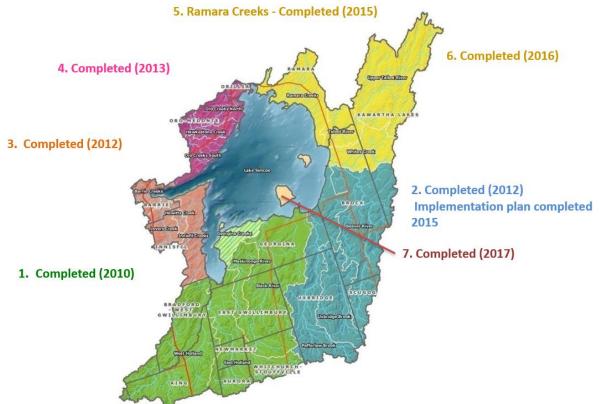


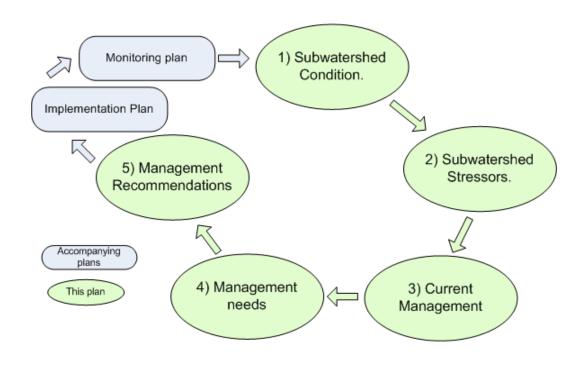
Early management plans

- The Upper Holland Conservation Report was completed in 1953
 - Among first watershed management plans in Ontario
- Other subwatershed plans were completed in the 1980s and 1990s
- The most current plans were the first coordinated effort to cover the watershed



Current subwatershed plans





- Developed between 2010 and 2017
- Completed for all subwatersheds and Georgina Island
- Large PDF documents
- Consistent structure

Plan implementation

- Shared responsibility, coordinated by the Conservation Authority
- Tracked, and reported annually to Board and municipal Clerks
- Many successful collaborations and partnerships
- Achieved more than 90% of our recommendations



Plans in action – Kettleby Creek barrier removal

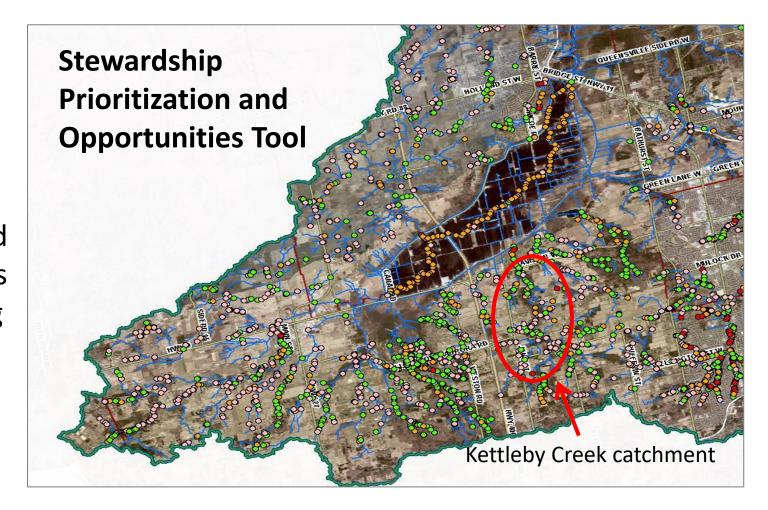


- Provincially endangered
 Redside Dace found in
 Kettleby Creek
- Barriers and habitat
 alteration and degradation
 are major stressors

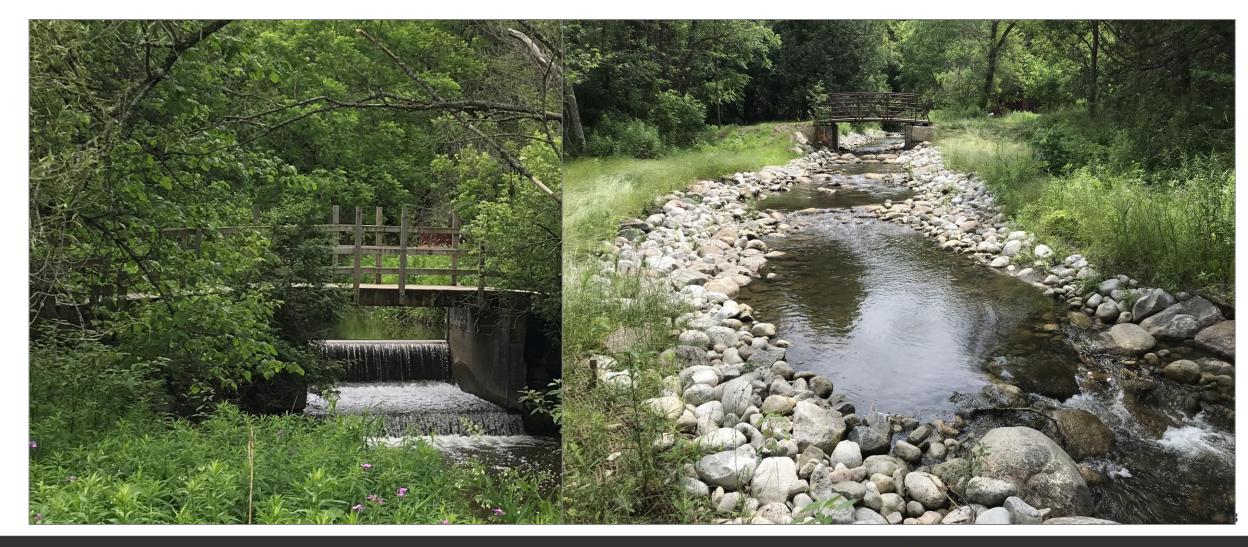
Stewardship Prioritization and Opportunities Tool

Recommendation

That Lake Simcoe Region Conservation Authority, in cooperation with its partner municipalities, prioritize and undertake activities to improve and restore aquatic ecological functions within the subwatershed, including barrier removal, natural channel design, restoring floodplain functions, and wetland creation. This could include undertaking pilot/demonstration projects to assess the feasibility of such works.

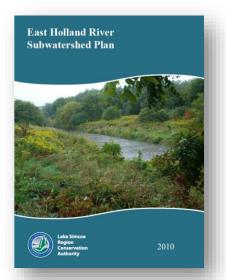


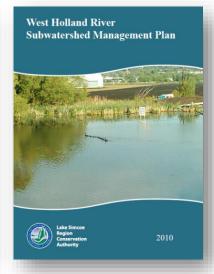
Action on the ground

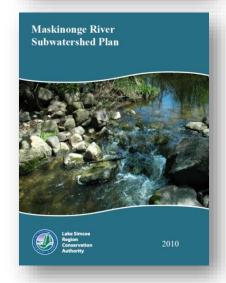


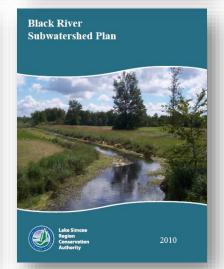
Lessons learned

- PDF documents become dated quickly
- New information is available:
 - Policy changes: Conservation Authority, municipal, provincial
 - Conservation Authority studies
 - Models
 - More than 12 years of new monitoring data
- Need to address emerging issues (e.g. climate change)
- Users are looking for a different approach

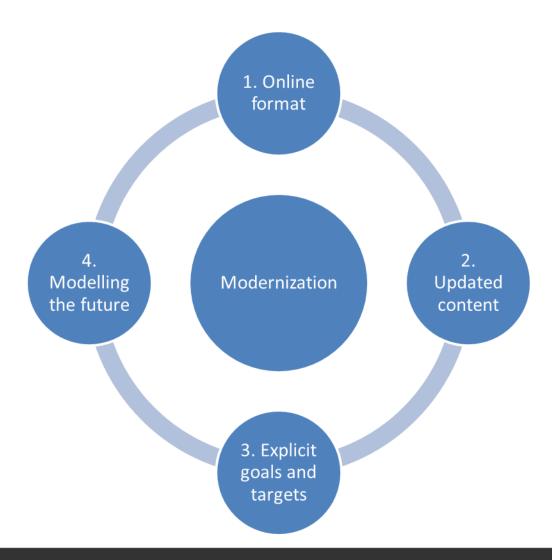






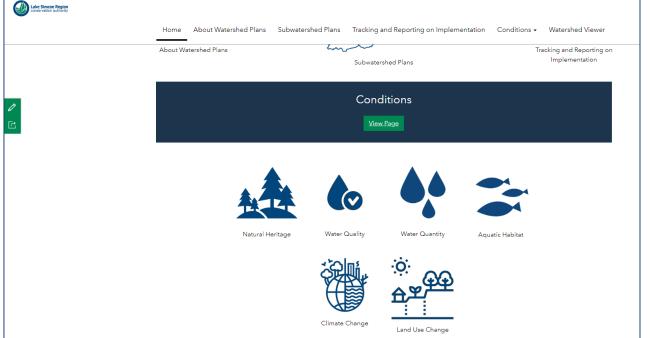


Subwatershed plan modernization



Subwatershed plan site: a tour



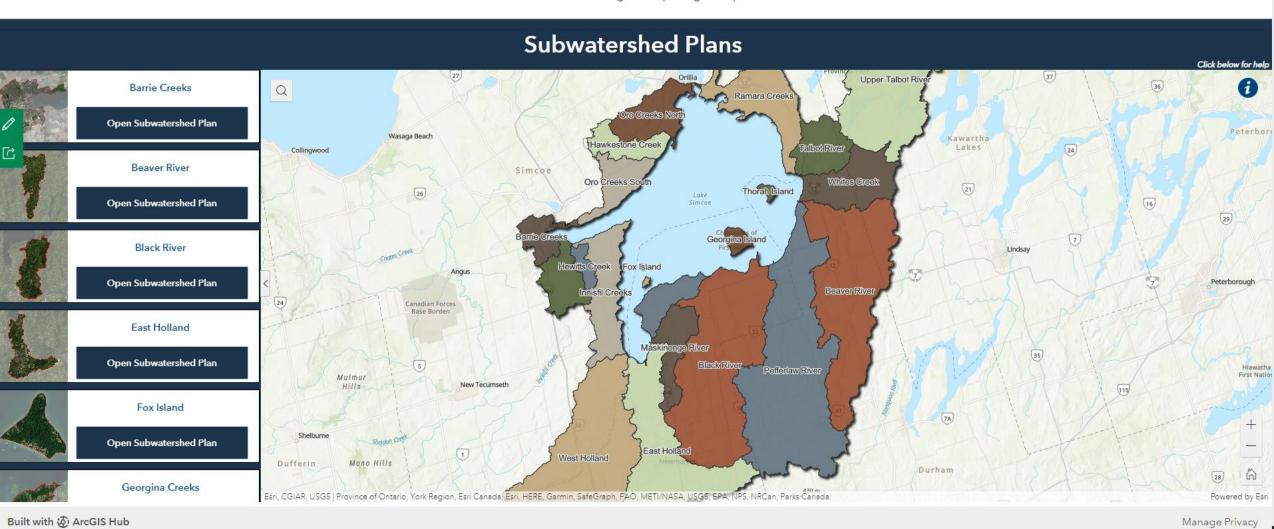


Subwatershed plan site: a tour (continued)

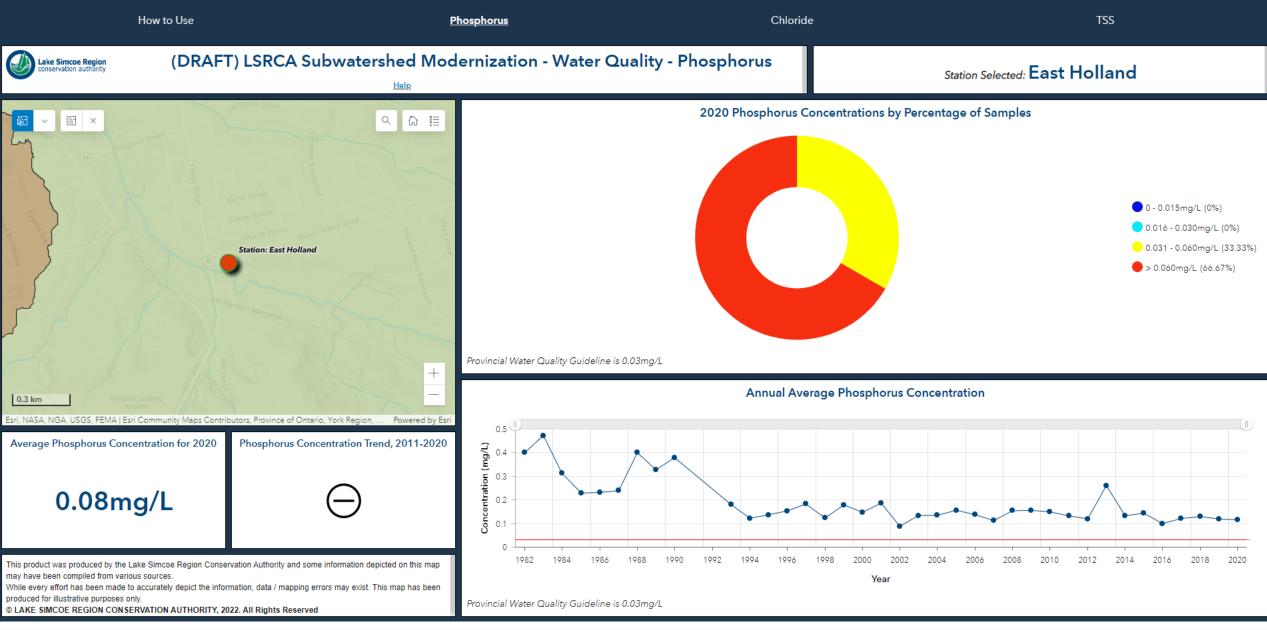




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Subwatershed plan site: a tour (cont'd)



Next steps



- Remainder of site content to be developed
- Goal and target setting
- Develop recommendations
- Produce subwatershed plan documents
- Completion of Watershed-Based
 Resource Management Strategy

Thank you

Questions?

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