

Carruthers Creek Watershed Plan Update to OPG Pickering Nuclear Generating Station Community Advisory Council

19 June 2018





Context



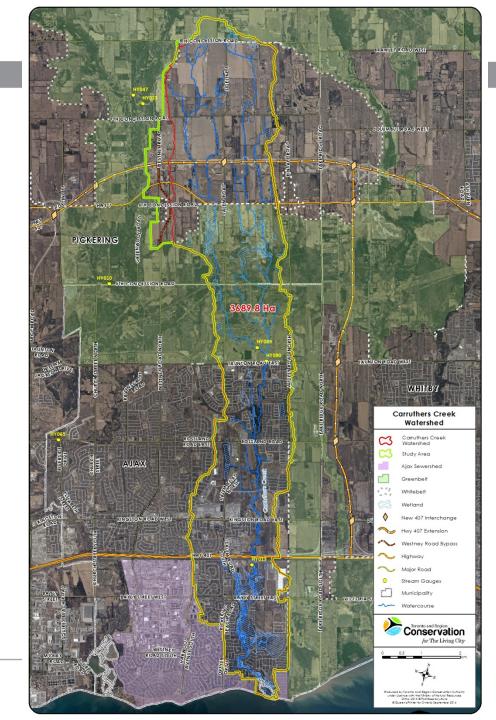
Policy + Planning History

- Study area: small watershed, headwaters not on ORM, entire watershed
- Upcoming Durham Municipal Comprehensive Review

 – Watershed Plan role
- Greenbelt expansion interests
- TRCA Next Generation of Watershed Plans
- Provincial Watershed Planning Guidance

Geography

- Ajax downstream flooding concerns
- Western Lake Ontario and land-to-lake water connections (tributary loads)



Wet Year: 2015 Dry Year: 2016









Path to Carruthers Creek Watershed Plan





2003: Watershed Plan for Duffins Creek and Carruthers Creek 2014: Initial work plan scoping with Durham staff July 2015:
Durham
contracts TRCA
to complete
CCWP
(100% Durham
funded)

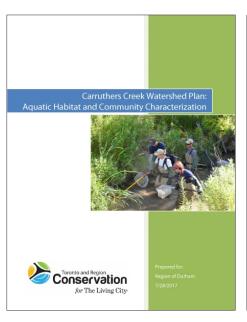
2015-2016:
Field work to
characterise
watershed:
aquatic, terrestrial,
geomorphic,
hydrogeology,
surface water
quality, HDF

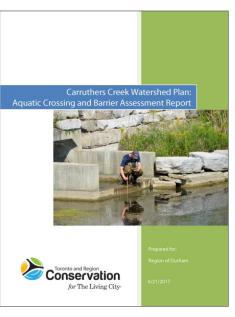
2017:
Technical
reports peer
reviewed,
finalised,
received by
Durham;
Phase 1
completed

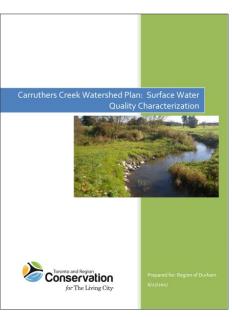
Phase 2: 2018-2019

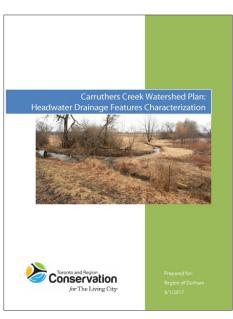
Final Watershed Plan

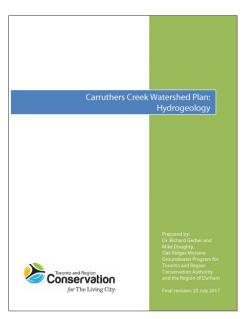
Phase 1 Peer Reviewed Technical Reports

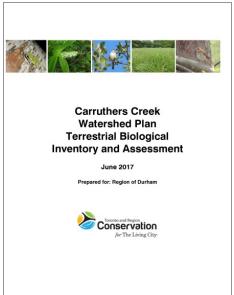


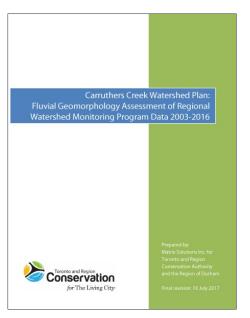












Carruthers Creek Watershed Plan: Phase 2



2018



- Land Use Scenarios
- Watershed Health Ratings + Targets
- Next Generation Watershed
 Planning, new Provincial Watershed
 Planning Guidance
- 2003 Goals, Objectives, Management Recommendations, the building blocks of the Watershed Plan
- Aquatic and terrestrial habitat suitability
- Consultation on Vision, Management Philosophy: Launch project website; Stakeholder meeting - golf courses



- Process and methodology for peer review
- Green Infrastructure
- Ecological Goods and Services Valuation study
- Urban Forestry analysis

- Consultation on Vision, Management Philosophy: presentations to stakeholders and committees





2018



- Peer review of scenario modelling, and of other technical work as final products are ready
- Storm Water Management retrofit analysis
- Formulate candidate Management Actions

- Complete consultation on Vision, Management Philosophy; Public events/pop-ups



Milestone 1: Complete scenario evaluation

- Hydrology model results
- 2003 Watershed Health Ratings
- Peer review of modelling
- Key findings integration planning





2019



Milestone 2: Complete peer review of 2018 work

- Finalise Targets; begin development of Management Recommendations, Management Actions, Goals, Objectives
- Review draft Management Recommendations with Ajax and Pickering staff



Milestone 3: Develop Management Recommendations, Implementation Schedule

 Check draft Plan against Next Generation of Watershed Plans and Provincial Watershed Planning Guidance document

- Consultation on Management Recommendations: Present to committees; stakeholder meetings; Public events; Potential Public Information Centre





2019



Milestone 4: Complete peer review of 2019 work

- Writing, design and layout of final Watershed Plan document

- Consultation on Watershed Plan: Committees; stakeholder meetings; Potential Public Information Centre; Respond to public and stakeholder input on the Watershed Plan

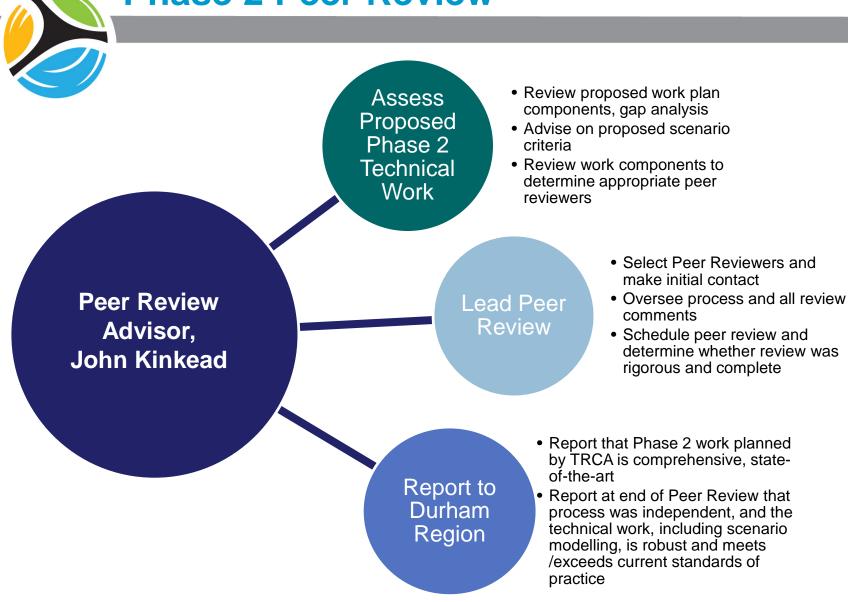


Milestone 5: FINAL WATERSHED PLAN

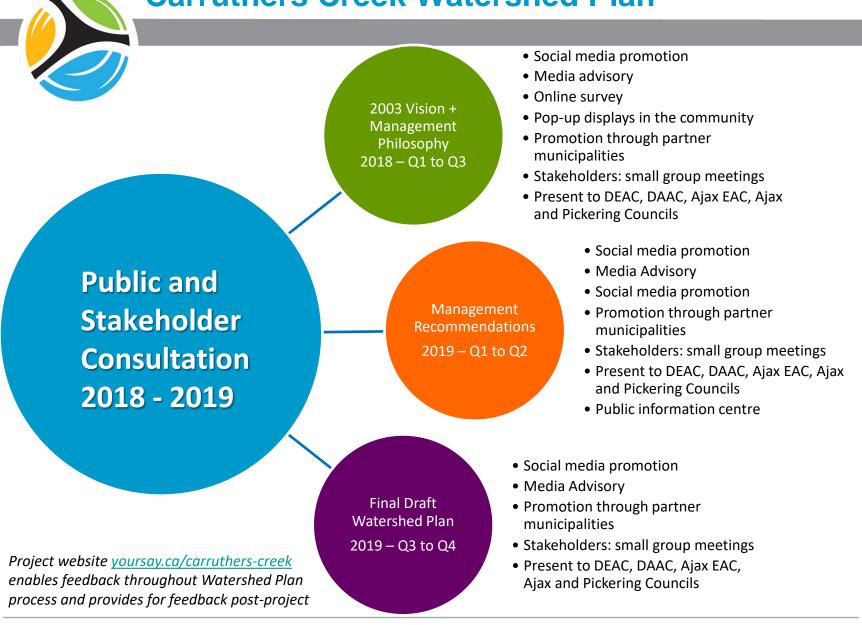
 Present final Watershed Plan to Durham Council

- Consultation: Posted for comment period

Phase 2 Peer Review



Carruthers Creek Watershed Plan



2003 Carruthers Creek Vision



Carruthers Creek will be a healthy, dynamic, and sustainable watershed that continues to have clean, safe water.

The watershed will have functioning wetlands and be diverse with self-sustaining communities of native plants, fish, and wildlife, where natural and human heritage features are protected and valued.

Residents will recognise the watershed as an essential community resource that enhances their quality of life.

All stakeholders will participate in the stewardship of the watershed and growth and development will reflect this vision and the importance of protecting and enhancing this priceless legacy.

2003 Carruthers Creek Management Philosophy



Net Gain

• Improve upon existing features and functions throughout the watershed.

Environment First

- Manage the watershed as a "system," considering the environmental function first.
- Protect and enhance the natural features and functions as a first step in a hierarchy of other management approaches.
- Emphasise prevention over remediation, recognising that prevention is more cost efficient than remediation.

Human Health and Safety

- Recognise linkages between human health and the health of the environment.
- Minimize risk to human health and safety.

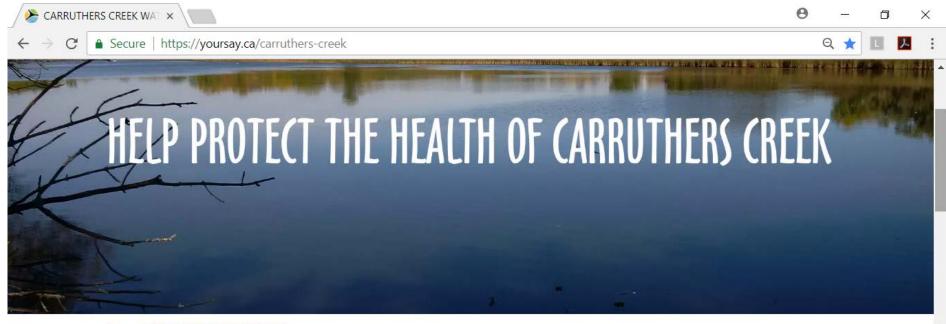
Balance Land Use

- The watershed, located in one of the largest city regions in Canada, must support a combination of natural, urban, and agricultural land uses and systems.
- Apply the principles of Smart Growth and the Greenbelt.
- Recognise the concept of balance through land use actions, thus ensuring integrity of watershed functions.

Everyone Counts – Ownership, Commitment and Follow Through

- Demonstrate sustainable living and sustainable community design.
- Build on existing leadership, stewardship, and good decision making practices.
- Strengthen existing, and develop new, partnerships.
- Make the appropriate lifestyle choices, change behaviours, and encourage innovation in thoughts, words, and actions.





Home » CARRUTHERS CREEK WATERSHED PLAN

CARRUTHERS CREEK WATERSHED PLAN



PREPARING FOR THE FUTURE

Toronto and Region Conservation Authority (TRCA), in partnership with the Region of Durham, is undertaking an update to the last Watershed Plan for Carruthers Creek, which was completed in 2003.

