

Recommendations for lake plan actions

To better understand the origins of these recommendations please refer to the appropriate chapter in the State of the Lakes report.

Landscape Character

3.8 Recommendations for Lake Plan Actions

- Encourage and participate with Parks Canada to undertake a landscape character assessment as it will contribute to our stewardship mandate, contribute to the protection of the visual values of the Rideau Canal and serve as a model for other similar studies along the Canal.
- Encourage the Township of South Frontenac and the City of Kingston to incorporate the results of the landscape character assessment into their Official Plans along with supportive policies.
- Publicly support the objectives of the world heritage site as it pertains to protecting the visual values of the Canal shorelands.

Relationship with Parks Canada and FABR

4.5 Recommendations for Lake Plan Actions

- Establish and maintain an ongoing relationship with Parks Canada and the Frontenac Arch Biosphere Reserve to identify means through which the Association can contribute to the achievement of the conservation and education goals of the world heritage site and the biosphere reserve. Specifically the attainment of Objective 1.2 of the Rideau Canal Management Plan and the participation in a community consultation group to provide public input.

Cultural Heritage

5.6 Recommendations for Lake Plan Actions

- Encourage the Township of South Frontenac Municipal Heritage Committee and the City of Kingston Heritage Planning staff with assistance from the Association to undertake an inventory and assessment of buildings and other cultural heritage resources that may have potential for municipal designation under the Ontario Heritage Act.
- Encourage owners of buildings of historic interest to conserve the heritage values of their property through stewardship and/or official designation under the Ontario Heritage Act.
- Through the Dog and Cranberry Lakes Association website and other means, raise awareness of the unique heritage values of the Rideau Canal as a national historic site and world heritage site.

Climate change

6.4 Recommendations for Lake Plan Actions

- Encourage local stewardship actions (such as reducing nutrient inputs, preserving and restoring riparian vegetation and natural watershed functions, maintaining and upgrading septic systems) to help buffer against impacts associated with climate change.
- Promote farming best management practices within the entire subwatershed to reduce erosion and contaminated runoff entering lakes.
- Promote stormwater best management practices within urban and rural areas.
- Promote the maintenance of, and where needed, rehabilitation of natural wetlands and increasing forest cover and preserving and restoring headwater areas to increase water conservation and storage within the subwatershed.

Water Management

Recommendation for Lake Plan Action

- provide the membership with any pertinent information about water levels provided by Parks Canada.

Water quality

9.5 Recommendations for Lake Plan Actions

- Continue annual sampling of Dog Lake and analyze for water clarity (Secchi disk depth) and total phosphorous – under the Lake Partners Program.
- Establish a sampling program on Cranberry Lake through the Lake Partners Program
- Establish a sampling program for sodium and chloride levels in Dog Lake at the bridge on the Burnt Hills road at the northern end of Dog Lake and promote 'best management practices' to mitigate the impact of salt application. An effective sampling program would also include bacteria, Total Suspended Solids, oil and grease, and water flows.
- Continue measuring timing of ice-on/ice-off on Dog Lake, initiate on Cranberry lake.
- Continue to advocate among the community and the township to establish a septic inspection program.
- Continue to advocate for the need for applying 'best management practices' on surrounding farmlands, and means to implement the BMPs.
- Promote new development and redevelopment that will result in a net environmental benefit.
- Establish a long term relationship with the Beatty Water Research Centre and other academic institutions to encourage scientific research that could

enhance our understanding of the nutrient cycle.

- Continue floating treatment wetland platforms initiative and “Sustaining our Freshwater” Pilot Program

Natural Heritage

10.12 Recommendations for Lake Plan Actions

- Conduct a thorough inventory of flora and fauna.
- Conduct an inventory of bass nesting sites.
- Conduct a littoral zone habitat survey
- Undertake monitoring and research of Species at Risk and Invasive Species
- Conduct an evaluation of unevaluated wetlands under the Ontario Wetland Evaluation Service (OWES) to determine provincial and regional significance.
- Provide information and education to property owners about the protection and rehabilitation of shoreland areas.
- Work with Watersheds Canada for shoreline naturalization.
<http://watersheds.ca/our-work/the-natural-edge/>
- Encourage Parks Canada to establish a boat-washing station at the boat launch at Upper Brewers Lockstation to reduce the spread of invasive species into and out of Cranberry Lake and the commercial resorts on both lakes.
- Establish an intensive education program re. invasive species
- Monitor the spread on phragmites and take action to remove small patches before they become larger.
- Monitor for other invasive species that may spread to Dog and Cranberry Lake and report sightings immediately.
- Quantify lower order tributary vegetative buffers would be ideal to include as it would help to ID areas for restoration.
- Continue the Annual Plant Sale to encourage gardening with native plants.
- Take steps to remove invasive species when appropriate, acquiring permits as needed and taking into consideration the best management practices for the species.
- Conduct a near-shore in water survey with help from Cataraqui Conservation to better understand the current distribution of plant species along the shoreline and provide data for future comparison.

Fisheries Management

11.2 Recommendations for Lake Plan Action

- Work with Cataraqui Conservation to educate shoreline property owners about the use of best management practices when constructing near the shoreline or in the water.
- Engage fishing tournament organizers to establish appropriate rules/regulations to minimize the impact of these events on the natural environment and overall well being of the lake.
- Request that NDMNRF provide increased enforcement of fishing and ice fishing regulations.
- Undertake an inventory of fish habitat and post signs at critical bass spawning areas

Municipal Planning and Land Use

Recommendations for Lake Plan Actions

- Continue to advocate for a tree cutting bylaw and other planning mechanisms to preserve shoreland vegetation
- Visibly support the waterfront policies in the official plan wherever possible
- As a party with a legitimate interest in the sustainable development of shorelands, provide comments to the Township and City on planning and development applications and Official Plan amendments that have the potential to have a negative impact on water quality and the natural heritage values and scenic character of the two lakes.
- As new research identifies features such as significant wetlands, habitats of species at risk and other natural heritage values, support and advocate for amendments to the Official plan, the zoning bylaw and other land use controls to protect these features from potentially destructive development

- Work with the Township, the City of Kingston, Conservation Authority, the Nature Conservancy and the Rideau Waterway Land Trust to identify properties that have high value for conservation such as rare and endangered species, critical wildlife habitat and wetlands that could be lost through development.