

## TIMELINE FOR KELLY POND RESTORATION

For many years, the Pondsides sub-watershed system was the primary source of water for residents in the Rosebank watershed; over 200,000 gallons/day were withdrawn to service the needs of residents. Although development has slowed and water withdrawn has decreased to 95,000gallons/day in the region, this watershed has suffered serious damage from siltation, lack of biodiversity in local forest stands, and low water levels. SAWIG is seeking to help this system with various methods of restoration and enhancement.

There had been a significant delay, due to time it took to get back the *Pondsides Watershed Assessment* report from Dalhousie University; however, preliminary work and the garnering of support from local residents have been ongoing. The report, released November 17, 2015, has outlined recommendations to take place prior to any dredging. It is anticipated that these recommendations will be implemented in 2015.

NOTE: This timeline outlines work to be completed at Kelly Pond; Moore's Pond restoration will be explored when long-term planning for Southside Greens subdivision (Smallwood property) has been completed. The watershed group, along with the Department of Transportation and Dalhousie University, is recommending holding off on the dredging of Moore's Pond until it is certain restoration can be carried out without the possibility of a catastrophic sedimentation- loading event occurring from Southside greens.

**TIMELINE** (Please note the general timeline may be modified due to financial limitations, permits or changes in landowner support)

### 2015

- Finalization and release of Pondsides Watershed Assessment report (Dalhousie University)
- Landowner support and consent along Pondsides system

### 2016

- **Implementation of a long-term surface water quality program**
- Water bathymetry tested (water and sediment depth)
- Sediment sampling in Kelly Pond – sampling will be conducted to identify the presence of any heavy metals, PCB's or other potentially hazardous materials in the sediment
- Development of a watershed rehabilitation plan to mitigate current sources of nutrient and sediment loading into the system
- Improving policies within the town (and province) so that future development happens in a more sustainable and progressive way (*this will be an ongoing process*)

## 2017

- Application of Wetland and Watercourse Alteration Permit for installation of water control structure
- Preparation and installation of water control structure in Kelly Pond, which would allow the water to be slowly drained out in preparation for dredging. Once the majority of the water has been drained from a pond, it is highly recommended that it be left to dry for at least a year. Drier sediment makes dredging easier and more spreadable
- Continuation of surface water quality monitoring program
- Improving policies within the town (and province) so that future development happens in a more sustainable and progressive way (*this will be an ongoing process*)

## 2018

- Application of Wetland and Watercourse Alteration Permit for dredging of Kelly Pond (including development and submission of Fish Habitat Management Plan)
- Dredging of Kelly Pond to deepen pond channel and provide suitable fish habitat and recreational opportunities. Deposition of removed sediment will be dependent on results from sediment sampling; if results indicate little-no metals or hazardous material, spoils can be spread onsite or within watershed boundaries. If sediment is proven to be harmful, it will be trucked offsite to an approved location on or off-island
- Continuation of surface water quality monitoring program
- Buffer zones will be seeded and replanted to dissuade movement of sediment back into the pond
- Improving policies within the town (and province) so that future development happens in a more sustainable and progressive way (*this will be an ongoing process*)

## 2019

- Continuation of surface water quality monitoring program
- Improving policies within the town (and province) so that future development happens in a more sustainable and progressive way (*this will be an ongoing process*)
- Any follow up as required by province, town, residents and/or watershed group