

2018-2019 Report

WHEATLEY RIVER IMPROVEMENT GROUP, INC.



WRIG 2018-2019 Goals



- Enhance aquatic and terrestrial habitat, promoting biodiversity in vulnerable areas.
- Monitor and maintain ground/surface water quality.
- Collect and maintain up-to-date ecology and water quality data.
- Encourage community and youth education and awareness.



Year In Review

2018 Summer Field Crew

- Hailey Blacquiere, Field Crew Supervisor
- Madison Vincent, Riparian Health Assessment Tech.
- Taylor Gallant, Field Crew Tech.

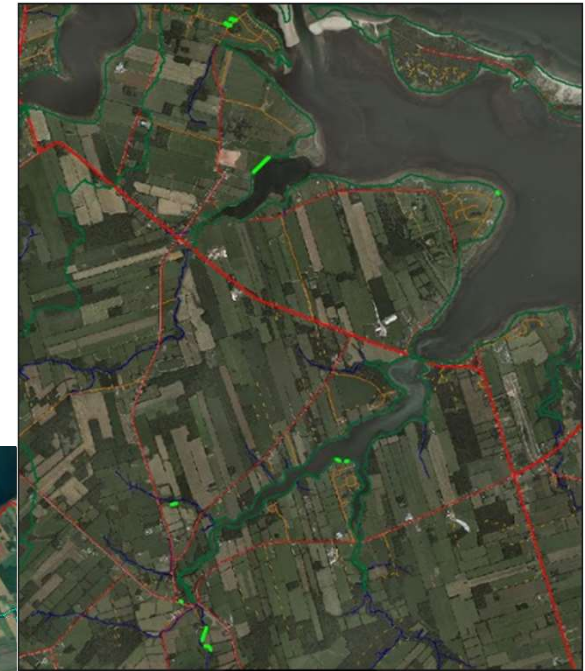
Training

- First Aid Training
- Watershed Restoration Techniques



Habitat Restoration

- **620** trees were planted on 9 separate parcels of land in the watershed; **146** trees were given away at Canada Day.
- **3 km** of stream was restored on the South branch of the Wheatley River (1.45 km), Ross Creek (0.9 km), and Chapel Creek (0.65 km)
- **2** brushmats were built on the South branch of the Wheatley River



Monitor and Maintain Surface/Ground water Quality

- Water quality monitoring was conducted at **22** sites throughout the watershed on a weekly basis.
- Qualitative and quantitative anoxia surveys were conducted at **8** sites between the Wheatley River Bridge and Oyster Bed Bridge on a monthly basis.



Ecology and Water Quality Data Collection

- Rackham's pond depth survey, to monitor current and further sedimentation of the pond.
- **7** Riparian Health Assessments were conducted along the South branch of the Wheatley River.
- **25** Crossing Assessments were conducted throughout the watershed



Ecology and Water Quality Data Collection

- Electrofishing with Fish & Wildlife division. (August 22nd)
- Benthic Macroinvertebrate Sampling



Public and Youth Education and Awareness

Community Engagement Events

- Watershed booth at Canada Day celebrations in North Rustico
- Watershed information at the River Clyde Pageant in New Glasgow
- Celebrate Our River Event and Duck Race (August 25th)



Educational Days

- Environmental Fun Day (June 8th)
- Cavendish Beach Hut in partnership with Parks Canada



Stream Connectivity Projects



Ross Creek (Jacks) Bridge



Church Road / Little Bungay Fish Ladders



2019 Field Season

- Stream Rehabilitation
 - Tree planting
 - Connectivity
 - Sedimentation
 - Crossing assessments
 - Riparian health assessments
- Headwater Surveys
- Water quality monitoring
- Community education and awareness events.



Thank You

