

2017

## FIELD SEASON HIGHLIGHTS



### Fish Habitat Restoration

- 7 debris removals to restore passage to blocked culverts
- 7 tailwater control structures installed to remediate perched culverts
- 4 fish chutes, 10 baffle pairs, and 1 low flow barrier installed
- 5 double digger logs installed on the Black River
- Sand wandong conducted over 1,625 m<sup>2</sup> to improve spawning habitat quality
- Partnered with NSLC Adopt-a-Stream to train 6 groups in restoration methods



### Wood Turtle Monitoring and Stewardship

- Engaged over 100 people in field activities related to wood turtles
- Trained 30 volunteers in wood turtle field protocols
- Conducted visual surveys, radio-telemetry, nesting surveys and nest monitoring from April through November 2017
- Provided training and guidance to partner organizations to support wood turtle recovery initiatives across Nova Scotia
- Engaged 5 new landowners in private land stewardship initiatives



### Youth Leadership & Education

- Provided environmental education and leadership training for 30 local youth through the Youth Leading Environmental Change program
- Partnered with Champlain Elementary School to deliver a full week of experiential programming focused on the Annapolis River watershed for 120 students
- Partnered with Options to Opportunities classes from Digby, Annapolis, Bridgetown and Middleton to deliver service based learning projects



### Ocean Acidification and Estuary Monitoring

- Coastal acidification samples collected each month of the year
- Radium samples collected in the Digby Gut and the Annapolis Basin
- Sampling in the Annapolis estuary was conducted to analyze nutrients, chlorophyll-a, secchi depth and other water quality parameters
- Samples delivered to partners at Dalhousie University and Eastern Charlotte Waterways for analysis

# Clean Annapolis River Project



## Wetland Restoration and Enhancement

- 400 metres of fencing was installed to exclude livestock from wetland habitats
- 0.5 ha of invasive rose bushes removed off land to reduce competition with native plant species
- 400 tree seedlings and willow stakes planted in wetland areas
- 3 sites identified for enhancement actions in 2018



## Riparian Habitat Restoration

- 2.4 km of fencing erected to exclude livestock from the Annapolis River, resulting in the creation of a 31,000m<sup>2</sup> riparian buffer zone
- 950 native trees planted in the newly created buffer zone
- Service learning activities were conducted with 3 local classes
- 2 frost free nose pumps installed as an alternate water source



## Stormwater Management

- 653 trees were planted in a floodplain in Middleton to reduce stormwater runoff in the future
- A public demonstration rain garden was constructed in Digby and will be planted in 2018
- A home water audit project is being conducted with 120 students across southwest Nova Scotia



## Other collaborations

- Work was conducted with the Maritime Natural Infrastructure Collaborative to support the development of an ecosystem services model that can be used to address issues related to infrastructure and climate change
  - The Moose River subwatershed is being used as a pilot area to develop the ecosystem services model
- CARP partnered with Bluenose Coastal Action Foundation to deliver a public education project that raised awareness about the impacts of marine plastics
- CARP delivered a series of 6 outdoor recreation programs in partnership with a variety of community recreation organizations, allowing residents to explore and gain an appreciate of the watershed
- A series of 3 community engagement sessions were conducted in partnership with the Municipality of the County of Annapolis to support a strategic planning project
- Training and support was provided to a number of partner NGOs, including Mersey Tobeatic Research Institute, Ikanawtiket, and Jijuktu'kwejk Watershed Alliance

