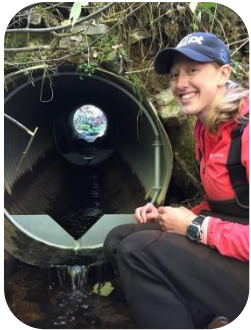


2019

## FIELD SEASON HIGHLIGHTS



### Fish Habitat Restoration

- 10 culverts assessed for fish passage
- 6 debris removals to restore passage to blocked culverts
- 3 hoop baffles installed to reduce the severe slope of a barrier culvert
- Re-installation of 1 low-flow barrier for a collapsed culvert
- 2 tail-water control structures installed and maintained to remediate perched culverts
- 6.57 km of upstream habitat was made available, and an additional 8.93 km of upstream habitat passage was improved through culvert restorations
- Water quality samples and electrofishing samples conducted at 4 culverts in the Round Hill sub-watershed
- SandWanding conducted to restore 860 m<sup>2</sup> of spawning and rearing habitat
- 12.3 tonnes of fine sediment removed via SandWanding
- 2 deflectors installed restoring a total of 1400 m<sup>2</sup> of rearing habitat for juvenile and adult fish in two priority sub-watersheds
- 6 old and under-sized digger logs were removed



### Restoring Ecological Services

- 9 sites selected for conducting restoration activities
- 1050 trees planted to restore degraded riparian ecosystems
- 1000 meters of fencing installed to create a permanent riparian buffer in an area of wood turtle nesting habitat on the Nictaux River
- 26 participant pledges collected for the Pledge to Protect campaign
- 5 guided paddles on the Annapolis and Cornwallis Rivers



### Atlantic Canada Microplastic Research Project

- 3 beach sites sampled within the Annapolis watershed
- 3 surface water trawl sites sampled within the Annapolis Basin
- Field sampling conducted in the LaHave River Estuary by Coastal Action and in the Bay Islands (Gulf of St. Lawrence) by ACAP Humber Arm
- 40 student participants in fish stomach content examinations
- Participation in the Clean Oceans Summit and Canadian Council for the Ministers of the Environment consultation meeting on Canada's Zero Plastic Waste Plan



# Clean Annapolis River Project



## Stormwater Management

- 3 new rain gardens created in the Town of Digby and 1 new garden created at the NSCC Middleton campus
- 120 stormwater home assessments conducted across southwest NS
- 221 participants in stormwater management educational seminars
- Installation of 5 1000 L rain cisterns in partnership with local businesses



## Species at Risk Stewardship

- 12 community wood turtle surveys hosted
- 50+ community members trained in wood turtle visual survey methods
- Wood turtle nest monitor training and volunteer program coordination
- Educational programs delivered to 100+ youth
- Agricultural Biodiversity Conservation program delivered to local farms
- 2 educational panels about species at risk turtles installed in partnership with the Western Kings 4-H club
- Chimney swift monitoring conducted at the Bridgetown roost site in partnership with Department of Lands and Forestry



## Aquatic Invasive Species

- 123+ members of the public sampled aquatic invasive fish at "Eat Your Invasives" events
- 8 sites within the Annapolis River, Petite Riviere, and LaHave River watershed(s) were electro-fished with 2 aquatic invasive species (Chain pickerel, Smallmouth bass) detected at 6 sites, and 1 species at risk (Atlantic Salmon) detected at 1 of the sites
- 50+ anglers recruited for the citizen science program that will launch in spring of 2020
- 5 aquatic invasive species educational signs installed at popular angling/boating locations across NS



## Powering Innovation in the Annapolis Valley

- 135 youth participated in hands on learning about clean energy technology and energy sustainability
- 14 leaders and teachers educated on using renewable energy kits to enhance their current teaching
- 150+ members of the public attended the Powering Innovation Confabulation to learn about renewable energy and energy efficiency technology



## Other accomplishments

- Delivery of the Youth Leading Environmental Change program
- Collection of 104 water quality samples through the Annapolis River Guardians program

