

Appendix C Wildlife and Ecology Accomplishments

- Offered annual “Herring Aid” events at the Macallen Dam fish ladder with NHFGD personnel to inform the public about river herring, sea lampreys, and American eels.
- Funded *Interweave*® public art participation project in Newmarket as a way of connecting participants with the river's wildlife and natural history through art. (2024).
- Commissioned a videographer to create [two videos featuring David Carroll](#) (turtle researcher, artist, and author) (2019).
- Provided funding to NHFGD to support the creation of nesting habitat for Blanding’s turtles in Durham/Newmarket (2018).
- Provided seed money for the establishment of the Lamprey River Elementary School Eco-trail in Raymond (2016).
- Worked with high school students to study vernal pools and produced [Spring into Vernal Pools](#) DVD to educate the public about these special ecological habitats.
- Funded a Small Grant that led to the creation of a lending library of tools to eradicate invasive plants in the Great Bay Estuary drainage area (2010). The original tool inventory has been expanded and has been used on hundreds of restoration projects. The library is currently housed at the Southeast Land Trust headquarters in Epping.
- Worked with partners to test methods for [managing invasive Japanese knotweed](#).
- Worked with NHFGD and the US Fish and Wildlife Service to advocate for fish passage at the Wiswall Dam in Durham. In 2011, a fish ladder was installed. That year, more than 30,000 river herring were able to travel past the dam and access breeding areas that had been unavailable to them for 200 or more years. The fish ladder continues to see high numbers of successful passage.
- Commissioned the following wildlife or ecological research:
 - [Genetic characterization and local ecological prevalence of a novel pathogen affecting American toads](#) (2024, 2025)
 - [Erosion Modeling: Japanese Knotweed Areas Versus Natural](#) (2021)
 - [Wetland Mapping and Prioritization Project in Raymond](#) (2020)
 - [Pilot Project for Detecting Invasive Eurasian Milfoil in Pawtuckaway Lake](#) (2020)
 - [Land Conservation Co-occurrence Mapping in Barrington](#) (2019)
 - [Acoustic Bat Survey](#) (2018)
 - [Lamprey Watershed Stream Crossing Assessment](#) (2017)
 - [Mussel Survey](#), targeted sites on Lamprey River (2015)
 - [Rothwell Reserve Bioinventory and Management Plan](#) (2014)
 - [Dams of the Lower Lamprey](#): Highlighting Opportunities to Improve Fish Passage (2013)
 - [Floodplain Mapping and Bioinventory](#) of Lamprey River Wetlands in the towns of Epping, Lee, Durham, and Newmarket (2011)
 - [Dragonfly and Damselfly Inventory](#) (2011)
 - [Tributary Fish Survey](#) (2010-2011)
 - [Mussel Survey, main stem Lamprey River](#) (2010)