

# Restoration

The riparian zone refers to the area where land and water meet. Unique conditions influenced by water make these diverse ecosystems key components in water quality and wildlife health.

Eroding riparian zones release sediment into the water, leading to land loss, degraded water quality, and disruption of fish habitat. Our restoration work uses bioengineering techniques to re-establish resilient riparian zones. By staking willow and planting native trees, we naturally stabilize riverbanks and slow floodwaters while providing shade and shelter for fish and wildlife. Larger projects may include back-sloping, rock toe installation, and fencing/ford installation to reduce bank degradation caused by cattle.











We also build and install habitat boxes for birds and bats, and have multiple rain gardens filled with native flowers to help manage stormwater runoff and restore native pollinator populations.

#worthwadinginto



A site restored in 2009. Photo taken in 2024.

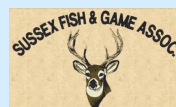
Feel free to reach out if you have questions, are looking for a riparian assessment, or would like to have us visit your community group or class!

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*Thank you to our partners and funders for supporting this important work!*



The Foundation for Conservation of Atlantic Salmon

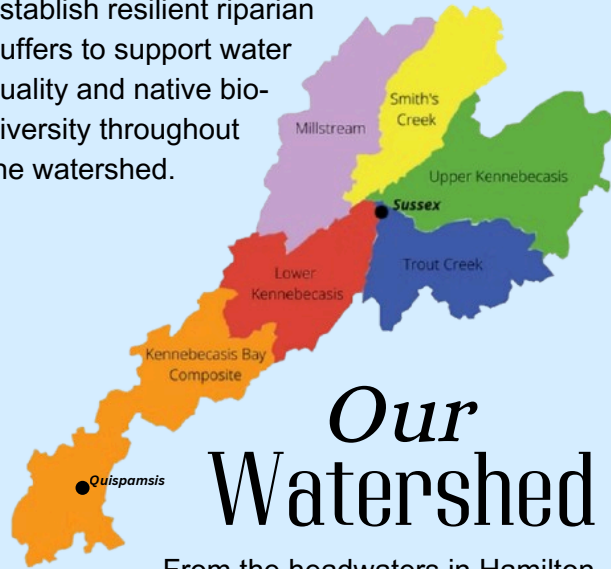


# Bringing Balance Back to the Kennebecasis Watershed

through Restoration, Monitoring & Education

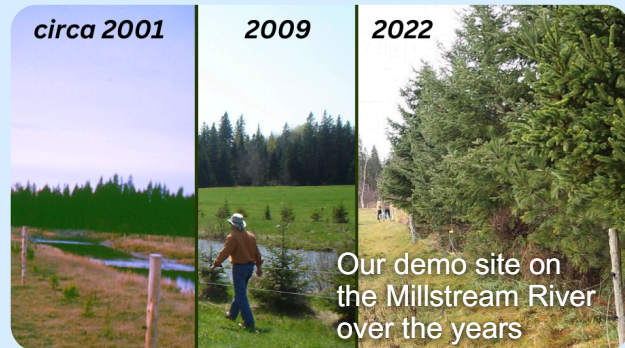


**Established in 1994**, the Kennebecasis Watershed Restoration Committee (KWRC) has been restoring riparian ecosystems and aquatic habitat for over 30 years. A watershed is an area of land where lakes, streams, and groundwater flow into one main system, i.e. the Kennebecasis River. Our work aims to establish resilient riparian buffers to support water quality and native biodiversity throughout the watershed.



## Our Watershed

From the headwaters in Hamilton Lake near Mechanic Settlement, to the head of tide at the Bloomfield bridge above Hampton, the main stem of the Kennebecasis wanders for approximately 95km while draining an area of 134,660 hectares. Improving riparian conditions and water quality upstream allow us to create a lasting impact on the entire system.



Our demo site on the Millstream River over the years

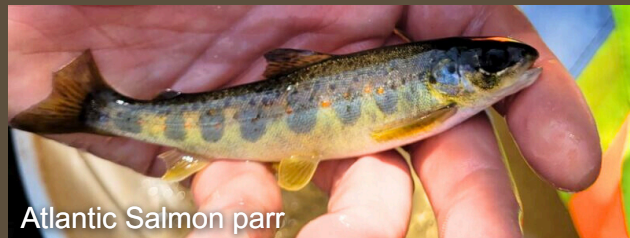
# Monitoring



The KWRC monitors the watershed in many ways, allowing us to understand the health of our rivers through a variety of lenses.

The KWRC has been collecting water quality data since 1999 (available on our website), including water temperature so we can understand which areas need attention. We monitor fish populations in our rivers and lakes, and use bioindicators such as benthic macro-invertebrates (riverbed bugs) and freshwater mussels to better understand water quality. In recent years we have also ramped up our monitoring of invasive species and species at risk, such as pollinators, bats, and bank swallows.

These monitoring efforts help to elucidate the influential factors present in our streams and sub-watersheds, and provide insight into the impacts of restoration work on our ecosystems.



Atlantic Salmon parr

# Education

Education is an important aspect of our work because it allows us to expand our impact beyond the KWRC. We offer an array of educational programs that aim to encourage time outdoors, environmental stewardship, and awareness of current issues such as invasive species, biodiversity loss, and plastic pollution.

We host annual volunteer events and workshops for all ages and welcome you to contact us if you would like us to give a presentation in your classroom or for your organization.

### Our Educational Activities

- Public awareness via social media (follow us!)
- Public outreach & volunteer events (garbage clean ups, tree planting events, markets)
- Presentations for classrooms, community groups, summer camps, etc.
- Demonstration sites and field tours
- Youth programs such as Youth Angling Day Camp and Habitat in a Box (bird box building)
- Beginner's fly-fishing workshops
- Ripples & Roots skill-building restoration camp for high school students (new in 2025!)



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