

Anqotum

Resource Management

Summer Bulletin

Ethan Augustine, our Junior Research Technician, is leading this year's elver collection and tagging project in the Saint John Harbour. Building on our previous work in the Harbour, monthly sampling will occur during the full moon and new moon tides, and will result in the capture/tagging of collected elvers, including samples necessary for swim bladder infection status determination. A subsample of 1,000 elvers will also be collected each month and will be retained for swim bladder pathogen assessment using microscopy and/or molecular analyses. Field work began in June and will continue until Winter 2023.



Anqotum's New Additions!

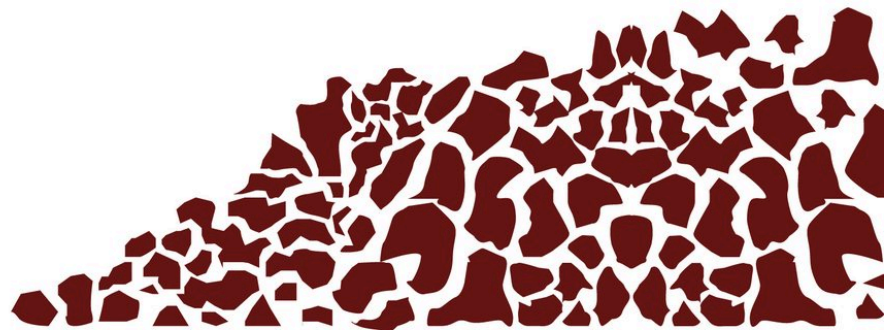
From left to right, Siobhan Curry was recently hired on as our Senior Resources Management Advisor. Ethan Augustine is our Junior Research Technician. Katelyn and Joe Augustine are Anqotum's summer students.

Atlantic Salmon and American Eel Predation Study

This spring, Anqotum crew participated in a tagging project with our partners, Canadian Rivers Institute, Atlantic Salmon Association and Miramichi Salmon Association. With the help of MSA's smolt wheel, Anqotum crewed surgically implanted 75 smolts with predation tags.

The purpose of this project is to tag Atlantic salmon smolts and American eels and follow their movements in the Miramichi River and its estuaries. We are using acoustic fish tags that send continuous signals. These signals are picked up by acoustic receivers, allowing us to identify individual fish and track their movements.

We are especially interested in striped bass predation on salmon and eels, and we are using special "predation" tags that will inform us if the fish and the tag are digested. This will allow us to better understand the survival rate of our tagged fish, and may also provide new information on the biology of striped bass. The Anqotum crew recently set their fyke net for eel capture, and will be also tagging 63 eels throughout the summer for our study.



Promoting Lifelong Learning - Aquarium Visit

This year Anqotum had the opportunity to take children from Elsipogtog First Nation and Metepenagiag Mi'kmaq Nation to the Aquarium in Shippegan New Brunswick for a full day of hands-on activities. At the Aquarium, the kids learned everything you need to know about seals, and had an exclusive tour of the location to show what aquatic beings live in our ecosystems.



Miramichi Lake - Baseline Data Collection

In anticipation of the Smallmouth Bass eradication project, Anqotum staff are actively in the field collecting samples and data to monitor water chemistry and vital information which will play an important role in the recovery of Atlantic Salmon in Miramichi Lake and the Miramichi River.

