

eDNA and Rock Bag Surveys

Date added: 15 July 2024

Last modified: 15 July 2024

Project type: Samples

Project visibility: Public

Local Contexts Project ID: 0c158bbc-5ae3-4f8a-8652-a88bb7683c72

Project page URL: <https://localcontextshub.org/projects/0c158bbc-5ae3-4f8a-8652-a88bb7683c72>

Level: Sub-Project

Source Project: [Comparing eDNA and Specimen-Based Sampling for Biomonitoring in the Penobscot Watershed](#)

Added by: Beth Y. Davis | | Researcher

Project Contact: Beth Y. Davis | bethy.davis4@gmail.com

Contributors:

Project Description:

In partnership with the Penobscot Nation Department of Natural Resources, conducted eDNA sampling every week for a month at sites with rock bags installed to survey benthic macroinvertebrates. eDNA collection entailed weekly water collection for filtering and installing passive eDNA filters - metaprobes - to test which method compared best to the rock bag identifications. eDNA analysis used a 12S primer, a broad COI primer, and a narrow/more targeted COI primer to compare primer performance and test for fish and benthic macroinvertebrate presence.

Project Notices



Biocultural Notice

The BC (Biocultural) Notice is a visible notification that there are accompanying cultural rights and responsibilities that need further attention for any future sharing and use of this material or data. The BC Notice recognizes the rights of Indigenous Peoples to permission the use of information, collections, data and digital sequence information (DSI) generated from the biodiversity or genetic resources associated with traditional lands, waters, and territories. The BC Notice may indicate that BC Labels are in development and their implementation is being negotiated.
