

# eDNA and Rock Bag Surveys

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**Level:** Sub-Project

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

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## Contributors:

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## 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**

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