# **eDNA** and Rock Bag Surveys

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**Project type:** Samples **Project visibility:** Public

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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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### **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**



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