

Instructions

QUINNIPIAC RIVER FUND GRANT AWARD - FINAL REPORT QUESTIONS

This form is to be completed by all nonprofit organizations that received a grant through the Quinnipiac River Fund.

Grant Details

Grant Details

Organization Name

University of New Haven

Grant Description

to support the study of poly- and perfluoro alkyl substances in the Quinnipiac River.

Total Grant Amount

16,500.00

Report Questions

1. List the specific objectives/outcomes of the project and tell how they were met during the grant period. Also, provide an update on any special conditions of the grant (if applicable).

The objectives of this project were to 1) Determine the types and concentrations of PFAS present in the Quinnipiac River, and 2) Determine how concentrations of PFAS vary along the length of the Quinnipiac River in the New Haven area. Both objectives have been met as four rounds of river sampling were taken at five sites along the river, extracted, and analyzed for PFAS.

Based on our analysis, significant concentrations of PFAS exist in the Quinnipiac River, with PFBA, PFHxA, PFHpA, PFBS, and PFOS having the highest concentrations. Additionally, overall concentrations of PFAS increase along the length of the river in the New Haven area before being diluted in the New Haven Harbor.

The results from this study are being used for the preparation of a manuscript that will be submitted for publication during the summer 2026.

2. Please share your successes, challenges and any lessons learned through the implementation of your project. Were there any unintended consequences or lessons learned that may affect how you operate your program moving forward?

This project served as a very successful way to get students interested in environmental quality through field sampling. Several students were involved in various aspects of the work, with Allison Diana, a former graduate student that now works at Sikorsky, leading the effort throughout the project duration. Additionally, this project allowed my students to develop lab methods used for environmental analysis that

have continued to be used in my lab on further projects.

3. What are the opportunities and needs of your organization as it continues to move forward with its work to positively impact the Quinnipiac River?

We continue to look for opportunities for uncovering the fate and transport of pollutants in the Quinnipiac River and hope to use that information to better understand how the river quality can be improved.

Attachments

Financial information (required): Please provide a detailed accounting of how the specific grant dollars were spent based on the budget submitted in the grant application.

Detailed Accounting

QRF_Final Budget_2024.xlsx

Pictures (optional): Please attach one to three pictures in JPEG format, in the highest resolution possible, of activities that have occurred throughout the grant period as a result of grant funding. By providing pictures, your organization is consenting to unlimited use of the pictures by The Community Foundation for Greater New Haven and/or the Valley Community Foundation in publications in print and online (including www.thequinnipiacriver.com). Please include a description of each photo and, when known, the photographer to be credited.

Picture 1

Description and Photo Credit

Picture 2

Description and Photo Credit

Picture 3

Description and Photo Credit