

Herkus Rudzinskas, E.I.

*Water Resources Engineer,
DiNatale Water Consultants*

Mr. Rudzinskas is a water resources engineer with academic and hands-on field experience in environmental water quality, hydrologic measurements, construction observation and a passion for river restoration projects.

Mr. Rudzinskas has experience with various modeling and software programs including Microsoft Office, AutoCAD, ArcGIS Pro, Google Sketchup, MATLAB and SAP2000

Mr. Rudzinskas received his B.S degree in Civil Engineering, with a focus on environmental and water resources engineering from the University of Massachusetts at Amherst in the spring of 2023. He worked three different internships throughout his college career, observing construction of water mains in southern Vermont, monitoring and improving the health of the Housatonic River in western Massachusetts and assessing the quality of riparian habitat in southwestern Montana. He has been a part of the DiNatale team full time since August of 2024.

Experience

Water Resources Engineer,
DiNatale Water Consultants, Inc.
2024 – Present

Hydrologic Technician,
United States Forest Service
Summer 2022

River Steward Intern,
Housatonic Valley Association
Summer 2021

Construction Observation Intern, MSK
Engineering & Design
Summer 2020

Education

B.S Civil Engineering
University of Massachusetts Amherst
2023

Relevant Project Experience

United Water and Sanitation District, Water Quality Monitoring and Data Analysis. Mr. Rudzinskas assists with the collection of water quality data with a multi-parameter water quality sonde as part of an ongoing water quality monitoring program for United's 70 Ranch Reservoir in Kersey, CO. Analysis of water quality data and reservoir conditions is used to inform recommendations to United's staff on management options and methods for protecting or improving raw water quality.

United States Forest Service – Bozeman Ranger District, Riparian Habitat Assessment

Mr. Rudzinskas measured stream velocity, volumetric discharge and calculated the extent of flood-prone areas along rivers using bankfull width, bankfull height and valley width. This tied into the work he did to survey damage to infrastructure after a 500-year flood event in the area. He also assessed the function of culverts for fish passage, ability to withstand flood events and quantified Stream Management Zones and Riparian Management Zones of streams at multiple road crossings for buffer implementation purposes.

Water Quality Sampling and Analysis

Mr. Rudzinskas collaborated with volunteers to collect and analyze water quality samples to track levels of E. Coli in the Housatonic watershed. He also redesigned and lead the repair of a damaged infiltration basin to reduce influent velocity and sediment loading for better filtration capabilities. Mr. Rudzinskas was part of an academic project at UMass Amherst that created a preliminary design for a constructed wetland to remove contaminants, including P, N, PFAS, and E. Coli from the Connecticut River watershed. He obtained samples from locations throughout the Tan Brook watershed to determine concentrations of Phosphorus, Nitrogen, E. Coli and total coliforms.

MSK Engineering and Design, Construction Observation

Mr. Rudzinkas oversaw installation of municipal water systems, coordinated proper construction procedures in the field, and updated as-built drawings regularly. He obtained measurements and photographs to ensure compliance with engineering plans and state regulations then wrote daily reports to keep track of progress.

Professional Affiliations

American Water Resources Association, Colorado Section