



**STEWART J. RYTHER**

CR Environmental, Inc., June 2022 to Present  
 Years with Other Firms: 1  
 Citizenship: USA

**OCEANOGRAPHIC TECHNICIAN  
 FIELD OPERATIONS  
 NAVIGATOR**

**AREAS OF SPECIALIZATION**

- Single Beam Bathymetry
- Coring & Sediment Sampling Technician
- Survey Vessel Operations

**EDUCATION/CERTIFICATIONS**

April 2023	USCG Certified Safety & Survival Training
March 2023	Adult First Aid/CPR/AED Training, American Health Safety Institute
August 2021	Master of Business Administration, MBA, University of Rhode Island
May 2021	Lean Six Sigma Green Belt Certification, University of Rhode Island
May 2020	Bachelor of Arts, Marine Affairs, University of Rhode Island
May 2019-present	OSHA 40-Hour HAZWOPER Training and 8-Hour Refresher Course
January -February 2019	URI Winter Term in Indonesia
December 2018	SDI Open Water Scuba Diver, University of Rhode Island
July 2010	Commonwealth of MA Boating Safety Certificate

**WORK HISTORY**

CR Environmental, Inc., Falmouth, MA	Oceanographic Technician	June 2022-Present
The Clam Man Inc., Falmouth, MA	Shellfish Traceability Manager	August 2021-February 2022
URI Coastal Resources Center, Remote	MBA Consulting Team Member	January-May 2021
Buzzards Bay Coalition, Marion, MA	Land Stewardship Intern	January-April 2021
CR Environmental, Inc., Falmouth, MA	Marine Surveying Intern	May-August 2019

**SUMMARY OF PROFESSIONAL EXPERIENCE**

Mr. Ryther has been responsible for assisting the CR survey team with mobilization of survey gear/vessels, vessel operations, vibracoring/sediment sampling, underwater video tows, and has received training to use HYPACK survey software, sonar equipment, deploying scientific instruments, and some experience with project coordination. He has conducted over 20 different surveys across New England and has experience navigating along nearshore waters and collecting scientific data. He is currently studying to get his USCG Captain’s License.

**RELEVANT CR PROJECT EXPERIENCE**

**Coring Technician, Bridgeport Harbor, CT Vibracore and Water Sampling (March 2023)**

Working for Inspire and their client USACE-NED Mr. Ryther was part of the CR crew collecting vibracore and water sampling for toxicity testing for a dredge permit..

**.Hydrographer, Plymouth Cranberry Bog Pond, Merrill Engineers and Land Surveyors (February 2023)**

Single beam survey of a bog pond to estimate the surface area of the pond for floating a solar array. Oceanographic

**Technician, Cap Monitoring Bass River, Beverly, MA (January 2023)**

Multibeam bathymetric survey and underwater video survey to inspect the integrity of a capped formerly dredged area of riverbed contaminated with coal tar

**Oceanographic Technician, Town of Tisbury Lake Tashmoo Channel Dredge Bathymetric Survey, Martha’s Vineyard, MA (November 2022)**

Conducted a single beam bathymetry survey at the entrance channel of Lake Tashmoo leading out into Vineyard Sound. This survey was in support of a maintenance dredging project with the Town of Tisbury to deepen the entrance channel.

**Oceanographic Technician, AECOM Factory Village Pond Dam Removal Vibracoring Survey, Ashburnham, MA (November 2022)**

Operated mechanical vibracoring system using a twin skiff assembly. Assisted with navigation, boat positioning, and collected location/sampling data using a Mesa Tablet and Hemisphere GPS. Coordinated with AECOM field team and processed coordinate/sampling data using MS Excel.

**Oceanographic Technician, Epsilon Associates Cape Cod Airport Upper Gate Pond Bathymetric Survey, Hyannis, MA (November 2022)**

Operated survey computer and HYPACK software while collecting staff measurement data to create a bathymetric map. Measurement data is supporting efforts to fill in a portion of the pond to extend the airport tarmac.

**Oceanographic Technician, TRC Environmental Sub-Bottom/Bathymetric/Vibracoring Survey, Mystic Reservoir, CT (October 2022)**

Assisted with mobilization of three survey vessels/equipment to conduct a bathymetric survey of two reservoir lakes using a single beam sonar and staff/probe rod measurements. Used mechanical vibracoring and push-coring system to collect sediment samples to determine sediment build up and reservoir volume.

**Oceanographic Technician, Bluefin Robotics/General Dynamics Offshore Sediment Sampling, East of Chatham, MA (October 2022)**

Assisted with gravity coring and grab sampling operations in an effort to provide the US Navy with sediment samples for future ROV offshore testing sites.

**Oceanographic Technician, Blackburn & Union Superfund Site South St. Wetland Delineation, Walpole, MA (September 2022)**

Assisted with wetland delineation along the extension of the Neponset River. Flagged bank-full and wetland areas, took field notes characterizing wetland species in up-gradient and down-gradient areas, used hand auger to characterize sediment type. Filled out Army Corps of Engineers wetland classification forms.

**Oceanographic Technician, Aetna Bridge Company RI Bridges Bike Path Bathymetric Survey, Barrington, RI (September 2022)**

Conducted a single beam bathymetry survey at two existing bike path bridges along the Barrington and Palmer Rivers. This survey was in support of the East Bay bike path bridge replacement project proposed by RIDOT.

**Oceanographic Technician, AECOM Mill River Sediment Sampling Survey, Taunton, MA (September 2022)**

Navigated by foot to sediment sampling sites in the Mill River and took GPS points/collected survey data using a Mesa Tablet and Carlson software. This project was conducted in support of a river remediation project to remove coal tar deposits from historic industrial practices along the river.

**Oceanographic Technician, Jacobs Engineering New Bedford Harbor Superfund Site Remediation, Bathymetric Survey, New Bedford, MA (September 2022)**

Assisted with single beam bathymetric survey by networking sonar and computer equipment, deployed tide gauge, sound velocity instrument, and sonar calibration disc. Received training to operate HYPACK survey software and computer equipment. Survey was conducted to monitor CAD cell cap in PCB remediation areas.

**Oceanographic Technician, Friends of Bassing Beach Inc. Cohasset Eelgrass & Shellfish Survey, Cohasset, MA (August/September 2022)**

Conducted an assortment of environmental surveys in an effort to search for eelgrass/shellfish presence and characterize the bottom type in a proposed aquaculture lease area. Methods used for this survey included single beam bathymetry, side scan sonar, underwater video tows, grab sampling, and shellfishing.

**Oceanographic Technician, INSPIRE Environmental RI Sound Disposal Site Multi-Beam Bathymetric Survey, Pt. Judith, RI (August 2022)**

Assisted with mobilization and assembly of multibeam bathymetry equipment. Project was performed in an effort to monitor an offshore dredge disposal site in RI Sound.

**Oceanographic Technician, TDI Brooks Wind Farm Cable Route Underwater Video & Sediment Sampling, New London, CT (July 2022)**

Conducted a series of nearshore sediment sampling and underwater video surveys to ground truth potential cable route areas for the Vineyard Wind power cables. Assisted with survey equipment mobilization using CR's landing craft vessel, R/V Lophius. Performed vibracoring, grab sampling, and underwater video operations.

**Oceanographic Technician, Eastern Generation Housatonic River Power Plant Bathymetric Survey, Milford, CT (July 2022)**

Conducted survey to support dredge monitoring project adjacent to power plant. Assisted with single beam bathymetry survey, deployed tide gauge/sound velocity instruments, established a land benchmark using a Mesa Tablet and Hemisphere GPS, operated HYPACK survey software using a field computer.

**Oceanographic Technician, Fuss & O'Neill UMASS Amherst Marine Station Bathymetric/Eelgrass Survey, Gloucester, MA (July 2022)**

Assisted with mobilization of survey equipment/vessel, operated davit/pot hauler while towing underwater video sled. Reviewed/monitored underwater video to characterize benthic habitat adjacent to Marine Station. Analyzed eelgrass/biodiversity species presence.

**Oceanographic Technician, Tighe & Bond Neponset River Vibracoring Survey, Quincy & Milton, MA (June 2022)**

Assisted with loading pneumatic vibracoring mechanism, taking water depth/penetration/refusal measurements, positioning, and deployment/retrieval operation.

**Oceanographic Technician, Epsilon Associates GeoTextile Erosion Protection Project Underwater Video Survey, Sconset Bluff, Nantucket (June 2022)**

Assembled cameras/lights/cable connections on video tow sled, operated davit and pot hauler. Collected video data to monitor the potential for sand accumulation on nearshore benthic habitat from Geotextile tubes placed to control erosion on the beach bluff.