

PROJECT OVERVIEW REPORT

1. UTC Identifying Number
69A3551847102
2. Center Identifying Number
CAIT-UTC-REG84
3. Project Title
Test Bed Mesocosms for Improved Stabilized Sediment Laboratory Specimen Preparation and Field QA/QC
4. Principal Investigator & Contact Information
Tyler Oathes, Ph.D.
Assistant Professor
Rutgers University
100 Brett Road
Piscataway, NJ 08854
5. Rutgers/CAIT Project Manager
Patrick Szary, Ph.D.
6. Customer Principal
Ali Maher, Ph.D.
Professor and CAIT Director
Rutgers University
100 Brett Road
Piscataway, NJ 08854
7. Project Description
This project will utilize a combination of field and laboratory testing to (1) improve the preparation of laboratory specimens and (2) help guide the development of QA/QC guidelines. This project aims to improve current approaches by better incorporating the impact of the field construction process, compaction method, and curing environment.
8. Implementation of Research Outcomes (or why not implemented)
The intended outcomes of this project are an improved methodology for creating laboratory specimens of soft stabilized sediments and guidelines for developing QA/QC criteria for construction. These outcomes will be presented both as a report as well as published in peer-reviewed journal articles or conference proceedings.

9. Impacts/Benefits of Implementation (actual, not anticipated)
To Be Determined

10. Dates and Budget

Start date: 9/1/2023

End date: 11/30/2024

UTC (CAIT) Dollars: \$96,571

Cost Sharing: \$0

Total Dollars: \$96,571

11. Keywords

stabilized sediment; beneficial use; dredged material; compaction

12. Web Links (Reports and Project Website)

<https://cait.rutgers.edu/research/test-bed-mesocosms-for-improved-stabilized-sediment-laboratory-specimen-preparation-and-field-qa-qc/>