TEXAS A&M UNIVERSITY
CORPUS CHRISTI

HARTE RESEARCH INSTITUTE FOR GULF OF MEXICO STUDIES
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July 31, 2023

Steven J. Raabe, P.E.
Trustee, Matagorda Bay Mitigation Trust
PO Box 1269
Poth, TX 78147-1269

RE: Quarterly Progress Report for the period 5/1/2023 – 7/31/2023.

Dear Mr. Raabe,

Please find enclosed the following deliverable: Quarterly Progress Report for the project "Sediment Quality Assessment Survey of Lavaca and Matagorda Bays" Contract No. 019.

Sincerely,

Paul A. Montagna, Ph.D.
Endowed Chair, Hydroecology, Harte Research Institute
Professor, Physical and Environmental Science Department
Regents Professor, Texas A&M University System
Texas A&M University-Corpus Christi
6300 Ocean Drive, Unit 5869
Corpus Christi, TX 78412
Phone: 361-825-2040
Email: Paul.Montagna@tamucc.edu

I. TITLE, CONTRACT INFORMATION, AND CONTACTS:

Sediment Quality Assessment Survey of Lavaca and Matagorda Bays

Contract 019

Performing Party Representative:

Dr. Paul A. Montagna
Harte Research Institute for Gulf of Mexico Studies
Texas A&M University-Corpus Christi
6300 Ocean Drive, Unit 5869
Corpus Christi, TX 78412-5869
Telephone: 361-825-2040
Email: Paul.Montagna@tamucc.edu

Contract Period: 01 February 2022 – 31 January 2024

Reporting Period: 01 May 2023 to 31 July 2023
Date of submission: 31 July 2023

SUBMITTED TO:

Steven J. Raabe, P.E.
Trustee, Matagorda Bay Mitigation Trust
PO Box 1269
Poth, TX 78147-1269
Via Email to: Trustee@mbmTrust.com

II. DESCRIPTION OF TASKS:

There are two tasks for this project:

Task 1): Sediment Quality Triad (SQT) analysis. 24 stations will be sampled and analyzed for sediment chemistry, toxicity, and biodiversity.

Task 2): Data Management, Reporting, and Outreach Engagement. Quarterly Progress Reports: within 10 days of the end of each annual quarter: Q1 = May 10, Q2 = August 10, Q3 = November 10, and Q4 = February 10. The Final Report = January 31, 2024. Public engagement.

III. STATUS OF TASKS:

Task 1): Primary task this quarter was completing the chemical analyses and toxicity analyses by the subcontractors. All sediment chemistry, toxicology, and diversity samples have been analyzed. Task complete.

Task 2): In progress. Fifth quarterly report submitted.

Statistical analyses complete.

Thesis complete: Caillier, Jasmine. 2023. An Assessment of Benthic Condition in The Matagorda Bay System Using A Sediment Quality Triad Approach. Masters Thesis, Marine Biology Program, Department of Life Science, College of Science, Texas A&M University-Corpus Christi. Jasmine graduates 12 August 2023.

First draft of journal article prepared.

IV. PLAN FOR NEXT QUARTER:

Task 1): Complete.

Task 2): Submit a quarterly reporting. Complete writing the final report and submit a journal article.

V. PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS:

None.

VI. ADHERENCE TO PROJECT TIMELINE:

A. Explanation of delays (if any): No delays.

B. Anticipated delays: None expected.