

Matagorda Bay Mitigation Trust – Progress Report

Project Name: A research and monitoring program to mitigate the impact of harmful algal blooms on the Matagorda Bay and San Antonio Bay ecosystems

P.I.: Michael Wetz, Texas A&M University-Corpus Christi

Contract No.: 0014

Reporting Period: 6/1/2021-8/31/2021

Task 1: Real-time, high frequency detection of HABs and other phytoplankton.

Status of the task during this reporting period: not started in progress completed

- Describe major accomplishments for this reporting period.
 - Nothing to report
- List the deliverable(s)/milestone(s) completed during this reporting period.
 - Nothing to report.
- Were there any problems or obstacles encountered during this reporting period (e.g., delays, remedial action taken, schedule revision). Yes No If yes, please explain:
 - The intended deployment site requires electrical outlet repairs. Wetz has been working with the site manager to get an electrical contractor to visit the site since late April, but this has not occurred to date. Consequently, Wetz has developed a contingency plan that would involve moving the site to a new location to prevent further delays.
- Briefly describe plans for the next reporting period.
 - The instrument will be ordered during the next reporting period.

Task 2: Water sampling program for HABs and relevant environmental conditions.

Status of the task during this reporting period: not started in progress completed

- Describe major accomplishments for this reporting period.
 - Water sampling took place weekly at 6 sites, for a total of 13 sampling events during the quarter.
- List the deliverable(s)/milestone(s) completed during this reporting period.
 - Nothing to report, as no significant HAB events have been noted to date.
- Were there any problems or obstacles encountered during this reporting period (e.g., delays, remedial action taken, schedule revision). Yes No If yes, please explain:
- Briefly describe plans for the next reporting period.
 - Weekly sampling will continue.

Task 3: Stakeholder meetings.

Status of the task during this reporting period: not started in progress completed

- Describe major accomplishments for this reporting period.

- Wetz gave a presentation to the Lavaca Bay Foundation on July 15th where he discussed water quality issues on the Texas Coast, and briefly introduced this project as well as another new project that is relevant to the Matagorda Bay ecosystem.
- List the deliverable(s)/milestone(s) completed during this reporting period.
 - A copy of the Lavaca Bay Foundation presentation is attached.
- Were there any problems or obstacles encountered during this reporting period (e.g., delays, remedial action taken, schedule revision). Yes No If yes, please explain:
- Briefly describe plans for the next reporting period.
 - There are no plans for this task, but Wetz will continue to give presentations as requested by stakeholders in the region.