

## 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:** 12/1/2021-2/28/2022

### 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.
  - The FlowCytobot has arrived at TAMU-CC.
- 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:
- Briefly describe plans for the next reporting period.
  - The research team will receive training on the FlowCytobot in mid-March, after which calibration of the instrument will begin.

### 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 11 sampling events during the quarter.
- List the deliverable(s)/milestone(s) completed during this reporting period.
  - Emails were sent to the lead of TPWD's Spills & Kills team upon detection of two different species of concern over a two week period in mid-February.
- 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.
  - 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:
- 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.