

Matagorda Bay Mitigation Trust – Progress Report

Project Name: Assessing the risk to ecosystem health from increasing nitrogen and phosphorus levels in Lavaca Bay

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Contract No.: 0044

Reporting Period: 9/1/23-11/30/23

Task 1: Monthly sampling to characterize nutrient indicators.

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

- Describe major accomplishments for this reporting period.
 - Monthly sampling was conducted on: 9/12/2023, 10/10/2023, 11/14/2023
- 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.
 - Continue monthly sampling as per contract.

Task 2: Experimental bioassays to determine algal response to nutrients.

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

- Describe major accomplishments for this reporting period.
 - The second bioassay experiment was conducted October 16-20th.
- 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 bioassay structure and contents were physically removed from the water and left onshore by an unknown person(s) between the 48h and 72h time points. Thus, 72h time point samples were lost. Fortunately, 48 h of data is sufficient to interpret responses to nutrients. Some of the equipment was able to be salvaged, but two light/temperature loggers were missing.
- Briefly describe plans for the next reporting period.
 - Conduct third quarterly bioassay experiment (January/February timeframe).

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.
 - Nothing planned. Will share findings with stakeholders as requested.