

Fishes Relative Abundance and Diversity of San Martin Lake, TX

Sandra Leal

Background/Introduction

- * San Martin Lake, TX is a body of water within the Bahia Grande Unit of the Laguna Atascosa National Wildlife Refuge
- * Bodies of water within the refuge serve as potential nursing grounds
- * The results obtained from this study may serve as a basis for future studies

Study Site



Fig.1. San Martin Lake, Tx on Google Maps

Methods

- * Sample site divided into gridlets
- * Sampling using cast net
- * Data recorded
- * Data analyzed in PAST3



Fig.2. Performing cast net surveys of SML

Results

- * Decrease in amount of individuals collected in the month of March
- * Increase in species composition

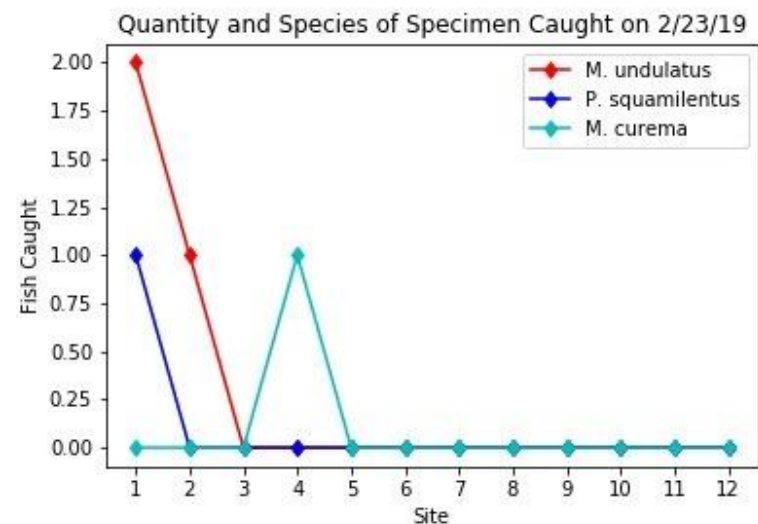
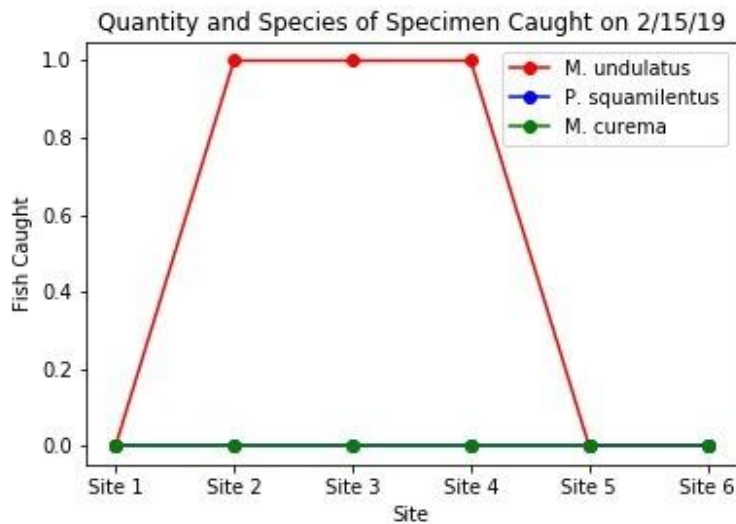


Fig.3-4. Graphs of February Data

Juvenile Fish Caught



Fig. 5-7. Juvenile Pinfish, Mullet, and Glass Minnow



Fig. 8-10. Juvenile Black Drum, Red Drum, Speckled Trout

Discussion

Statistical analyses revealed no significant differences in:

- * species richness
- * relative abundance
- * diversity
- * evenness

Between February and March