Dollar Bay-Moses Lake Shoreline Enhancement and Restoration- Phase I

This project funded the data collection, geotechnical analysis and engineering/design development necessary to protect up to 6,000 linear feet of fragile bay shoreline along the western shoreline of Moses Lake and approximately 30 acres of adjacent coastal marsh habitat in Dollar Bay. Dollar Bay and Moses Lake are contiguous bodies of estuarine marsh adjacent to western Galveston Bay that are highly productive habitat important to the life cycle of a number of species. Subsidence, shoreline erosion and salt water intrusion have greatly impacted these ecologically productive areas. The result of this funding was to prepare for the necessary engineering and design of the critical features of this project.

Overall, the protection of this critical coastal habitat has contributed to the larger landscape-scale conservation efforts in West Galveston Bay. The Galveston Bay system has lost over 35,000 acres of intertidal wetlands since the 1950s, which is important habitat and feeding grounds for dozens of species of birds and estuarine-dependent species including shrimp, red drum, and blue crab.

This project completed the engineering and design for a project that will protect up to 6,000 linear feet of shoreline and approximately 30 acres of coastal marsh habitat in West Galveston Bay.