

Carancahua Bay: TMDL Implementation Status

Date of Status Report: August 2022, Year 1

I-Plan Approval Date: August 26, 2020

TCEQ Project Manager: Nicole Reed

Responsible Parties Abbreviations

SWCD – Soil and Water Conservation District

NRCS – U.S. Department of Agriculture Natural Resources Conservation Service

TWRI – Texas Water Resources Institute

TSSWCB – Texas State Soil and Water Conservation Board

Management Measures

Management Measure 1: Promote and Implement Water Quality Management Plans or Conservation Plans

Responsible Party	Implementation Goal	Status
Watershed Coordinator, Local Stakeholders, Texas A&M AgriLife Extension Service, TSSWCB, local SWCDs, and NRCS	<p><u>Year 1-2:</u> Develop seven plans across the watershed per year.</p> <p><u>Year 3:</u> Develop seven additional plans across the watershed. Secure funding for a field technician and deliver a Lone Star Healthy Streams workshop.</p> <p><u>Years 4-7:</u> Develop seven additional plans across the watershed each year. Secure funding for a field technician.</p> <p><u>Years 8:</u> Develop seven additional plans across the watershed. Secure funding for a field technician and deliver a Lone Star Healthy Streams workshop.</p> <p><u>Years 9-10:</u> Develop seven additional plans across the watershed each year. Secure funding for a field technician.</p>	<p>A Lone Star Healthy Streams workshop was held on October 18, 2021, in Markham.</p> <p>Matagorda County SWCD hired a full time 319 Technician to assist with development of conservation plans and water quality management plans.</p> <p>NRCS reports the application of 23 water quality conservation practices covering 5,751 acres of production land in calendar year 2021.</p>

Management Measure 2: Repair and Replace failing OSSFs

Responsible Party	Implementation Goal	Status
<p>Watershed Coordinator, Texas A&M AgriLife Extension Service, Local Stakeholders, Calhoun County Designated Representative, Jackson County Office of Septic and Development Permitting, Matagorda County Designated Representative, Wharton County Designated Representative</p>	<p><u>Years 1-2:</u> Secure funding and resources to develop an on-site sewage facility (OSSF) repair and replacement program.</p> <p><u>Year 3:</u> Secure funding and resources to develop repair and replacement program. Deliver one OSSF workshop.</p> <p><u>Years 4-6:</u> Secure funding and resources to develop repair and replacement program. Repair and replace five failing OSSFs annually.</p> <p><u>Year 7:</u> Secure funding and resources to develop repair and replacement program. Deliver one OSSF workshop, and repair and/or replace five OSSFs.</p> <p><u>Years 8-9:</u> Secure funding and resources to develop repair and replacement program. Repair and/or replace four OSSFs annually.</p> <p><u>Years 10:</u> Secure funding and resources to develop repair and replacement program. Deliver one OSSF workshop, and repair and/or replace two failing OSSFs.</p>	<p>TWRI secured 319 grant funding to develop additional OSSF education materials, videos, and workshops to homeowners in the watershed.</p>

Management Measure 3: Develop Voluntary OSSF Inspection Program

Responsible Party	Implementation Goal	Status
Watershed Coordinator, Texas A&M AgriLife Extension Service, Jackson County Office of Septic and Development Permitting, Calhoun County Designated Representative, Matagorda County Designated Representative, and Wharton County Designated Representative	<u>Years 5-10</u> : Development of Voluntary OSSF Inspection Program	There is no update for this management measure this year.

Management Measure 4: Promote Feral Hog Removal

Responsible Party	Implementation Goal	Status
<p>Watershed Coordinator, Local Stakeholders, and Texas A&M AgriLife Extension Service</p>	<p><u>Years 1-2:</u> Landowners will install feral hog exclosures as feasible. Landowners will trap/hunt/remove feral hogs on site with a goal of a 15% population reduction annually.</p> <p><u>Year 3:</u> Landowners will install feral hog exclosures as feasible. Landowners will trap/hunt/remove feral hogs on site with a goal of a 15% population reduction. Watershed coordinator and AgriLife Extension will deliver a feral hog workshop.</p> <p><u>Years 4-5:</u> Landowners will install feral hog exclosures as feasible. Landowners will trap/hunt/remove feral hogs on site with a goal of a 15% population reduction annually.</p> <p><u>Year 6:</u> Landowners will install feral hog exclosures as feasible. Landowners will trap/hunt/remove feral hogs on site with a goal of a 15% population reduction. Watershed coordinator and AgriLife Extension will deliver a feral hog workshop.</p> <p><u>Years 7-10:</u> Landowners will install feral hog exclosures as feasible. Landowners will trap/hunt/remove feral hogs on site with a goal of a 15% population reduction annually.</p>	<p>A Lone Star Healthy Streams Workshop was held on October 18, 2021, in Markham, which included a Feral Hog management module.</p>

Management Measure 5: Promote Effective Pet Waste Management

Responsible Party	Implementation Goal	Status
Watershed Coordinator, Texas A&M AgriLife Extension Service, and other Stakeholders as appropriate	<u>Years 4-10</u> : Develop and deliver education and outreach materials to households.	TWRI secured funding to hire a watershed coordinator to coordinate and develop education and outreach events and materials for local residents.

Management Measure 6: Restore Oyster and Coastal Wetland Habitat

Responsible Party	Implementation Goal	Status
Watershed Coordinator, Texas Sea Grant, and Property Owners	<u>Years 1-10</u> : Work with stakeholders to create community oyster gardens, support oyster reef restoration, living shorelines, and coastal wetland and marsh restoration.	The Texas General Land Office secured a \$6.1 million grant to start work on a two-mile living shoreline project at the mouth of Carancahua Bay to help improve oyster habitat and reduce erosion within the watershed.