



Oso Creek Watershed Public Meeting

Improving Water Quality in Oso Creek

A TMDL Project to Protect Recreational Uses

Thursday, June 26th, 2014, 6 p.m.

South Texas Botanical Gardens

Coastal Bend Bays Foundation



COASTAL BEND BAYS FOUNDATION



- Public 501(c)(3) Nonprofit Organization since 1991
- Mission Statement

CBBF is a public interest organization dedicated to the conservation of freshwater and coastal natural resources for current and future generations through consensus, facilitation, communication, advocacy, research and education.



Volunteers at the winter 2014 Adopt A Beach Cleanup at the Mollie Beattie Habitat Community

COASTAL BEND BAYS FOUNDATION



Area of interest is the 12-county Coastal Bend, including, Aransas, Bee, Brooks, Duval, Jim Wells, Kenedy, Kleberg, Live Oak, McMullen, Nueces, Refugio and San Patricio.



COASTAL BEND BAYS FOUNDATION



CBBF has built consensus across economic, ideological, and political lines on important environmental issues.

- Advocated for adequate freshwater flow into the bays & a halt to oilfield brine discharges
- Established the *Coastal Bend Bays & Estuaries Program (CBBEP)*.
- Hold monthly meetings on timely environmental issues, with over 200 held since 1991.

COASTAL BEND BAYS FOUNDATION



- Helped launch *Coastal Bend Wildlife Photo Contest*
- Established *Earth Day - Bay Day*, now in its 15th year with thousands in attendance
- Launched our *Coastal Bend Conservation and Environmental Stewardship Awards Program*.
- Obtained grants for projects and programs from CBBEP, Texas General Land Office, Texas Commission on Environmental Quality, US Environmental Protection Agency, and private foundations

VOLUNTEER MARSH RESTORATION PLANTING



Partners:
Coastal Bend Bays & Estuaries Program
Texas General Land Office Coastal Management
Program 2011-2014



POLLYWOG POND



Partners: City of Corpus Christi, Audubon Outdoor Club, CBBEP, USFW, TPWD, TAMUCC, Martin Middle School
2011 - 2014

Education - Teaching Volunteers about the importance of habitat restoration and invasive species removal.

EARTH DAY BAY DAY 2014

April 12, 2014
Heritage Park,
1521 N. Chaparral
St, Corpus Christi,
Texas.

Over 9,000 visitors
and 100 exhibitors.

Educating the
public and having
fun!

From 2000-2014
have had up to
100,000 visitors



HANS & PAT SUTER WILDLIFE REFUGE



CBBF - Official Beach Guardian for the *Mollie Beattie Coastal Habitat Community*.

September 27, 2014 9 am to noon



OFFICIAL BEACH GUARDIAN
CERTIFICATE OF ADOPTION

Coastal Bend Bays Foundation

Whereas, the Texas General Land Office and Coastal Bend Bays Foundation recognize the need for clean beaches, and a healthy coastal environment; and

Whereas, the Texas General Land Office Adopt-A-Beach program was established in 1986 to encourage individuals, corporations, organized groups, public agencies and coastal communities to cooperate and contribute toward the effort of cleaning and maintaining Texas beaches;

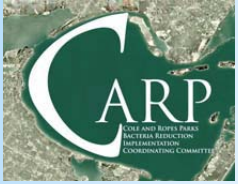
Therefore, the Texas General Land Office recognizes Coastal Bend Bays Foundation as the official Beach Guardian of 1 mile(s) of beach located specifically at the Mollie Beattie Site in Nueces County.

Furthermore, Coastal Bend Bays Foundation accepts the responsibility of picking up litter on the beach and promoting a litter-free environment for a period beginning October 2013 and ending December 31, 2014.

Jerry Patterson
Jerry Patterson, Commissioner



Texas General Land Office • Jerry Patterson, Commissioner
1.877.TXCOAST • texasadoptabeach.org



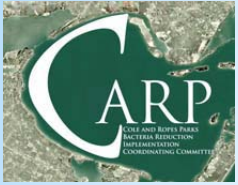
CARP – Cole and Ropes Parks Bacteria Reduction & Implementation Plan Coordination Committee



Corpus Christi Beaches: A TMDL Project to Protect Recreational Uses

Goal of CARP

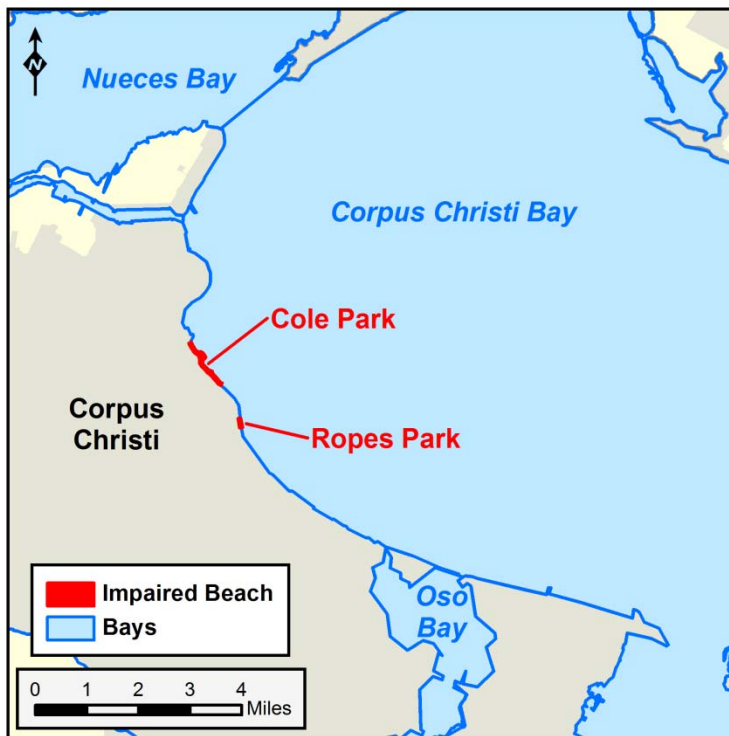
The ultimate goal of the **Implementation Plan** is to reduce *bacteria* levels in impaired waterways, making them meet water quality standards and become suitable for their current, designated uses. The COMMITTEE strives to accomplish this goal by developing, implementing, assessing, and revising the *Implementation Plan for the Total Maximum Daily Load in Cole and Ropes Park (I-Plan)*. This I-Plan addresses bacteria loading in waterways for which a TMDL is being done.



CARP – Cole and Ropes Parks Bacteria Reduction & Implementation Plan



Affected Area Sites



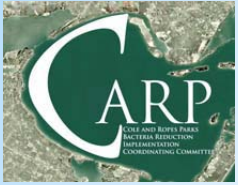
Cole and Ropes Parks on the Corpus Christi Bay shoreline, Corpus Christi, Texas



Cole Park stormwater outfall



Ropes Park stormwater outfall



CARP – Cole and Ropes Parks Bacteria Reduction & Implementation Plan Coordination Committee Timeline



CARP Progress to Present



Texas Beach Watch warning sign at Cole Park on Corpus Christi Bay



Participation by the public in the planning process has been invaluable. CARP is editing the DRAFT Implementation Plan now.



Pet Waste Station, a strategy identified by the Education Workgroup to reduce pet waste in the watershed. CBBF worked with the City of Corpus Christi to install pet waste stations at public spaces in drainage sub-basin at Cole and Ropes Parks.

Oso Creek: A TMDL Project to Protect Recreational Use



Oso Creek Watershed

- Wholly within Nueces County
- 28 miles long
- Dominated by permitted discharges.
- Corpus Christi only major metropolitan area within the watershed's boundaries.
- Economic activities in the area include oil and gas refining and production, agriculture, manufacturing, and tourism.



Oso Creek: A TMDL Project to Protect Recreational Use

Background and Goals of Project

Since 2002, water quality testing has found that concentrations of bacteria elevated in Oso Creek, which may pose a risk to people who swim or wade in it.

Swimming and wading are called “contact recreation” in the state’s standards for water quality; the term refers to all recreation in which people come in direct contact with the water.

The goal of this project is to reduce bacteria concentrations to within acceptable risk levels for contact recreation.



Oso Creek: A TMDL Project to Protect Recreational Use

Studies conducted since 2003

TCEQ

Texas State Soil and Water Conservation Board

TAMU

The Center for Water Supply Studies at
Texas A&M University-Corpus Christi

<http://www.baysfoundation.org/projects/oso-tmdl-outreach-project/>



Oso Creek: A TMDL Project to Protect Recreational Use

Section 303(d) of the Clean Water Act (CWA), 33 U.S.C § 1313(d)(1)(C), and the U.S. Environmental Protection Agency's (EPA's) implementing regulation, 40 CFR § 130.7(c)(1), require the establishment of the Total Maximum Daily Loads (TMDLs) for waters identified by states as not meeting water quality standards under authority of § 303(d)(1)(A) of the CWA. TMDLs are established at a level necessary to implement applicable water quality standards with seasonal variations and a margin of safety, accounting for lack of knowledge concerning the relationship between pollutant loading and water quality.



For More Information



**Coastal
Bend
Bays
Foundation**

A Partnership for Conservation

www.baysfoundation.org

361-882-3439

Thank You!

