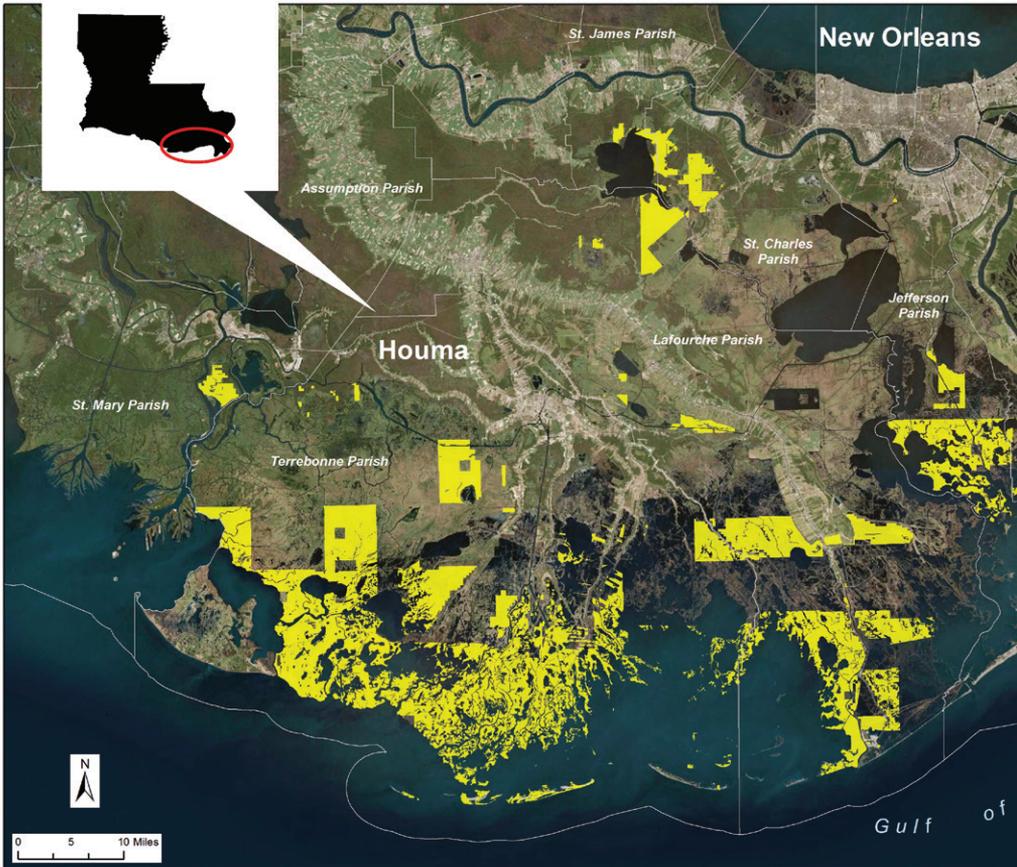




ConocoPhillips

# Coastal Wetlands

We work collaboratively  
to address wetlands  
sustainability in  
North America.



ConocoPhillips, through our subsidiary, The Louisiana Land and Exploration Company LLC (LL&E), is the largest private wetlands owner in the United States. Located in southeast Louisiana, our predominantly wetland properties comprise approximately 636,000 acres and are known as the ConocoPhillips Coastal Wetlands.

The property extends west to east approximately 120 miles from the Atchafalaya Basin to the Mississippi River, spanning eight parishes and extending roughly 75 miles north to south from the New Orleans area to the Gulf of Mexico, as shown in yellow at left.



## ConocoPhillips Coastal Wetlands Acreage

|                                   |                   |
|-----------------------------------|-------------------|
| Terrebonne Parish .....           | 357,040.02        |
| Lafourche Parish .....            | 116,431.95        |
| Plaquemines Parish .....          | 97,832.87         |
| Jefferson Parish .....            | 45,189.03         |
| St. Charles Parish .....          | 12,374.74         |
| St. Mary Parish. ....             | 5,094.48          |
| St. John the Baptist Parish ..... | 2,630.89          |
| Iberia Parish .....               | 4.50              |
| <b>TOTAL.....</b>                 | <b>636,598.48</b> |

## Environmental Stewardship

We believe in the importance of coastal restoration activities in southeast Louisiana that will preserve coastal habitats for stakeholders, waterfowl and other wildlife.

To that end, we participate in a wide variety of environmental initiatives including coastal restoration, wetland mitigation and biomass carbon sequestration. While our work focuses on active ecological projects, we also explore new opportunities through research projects and new experimental technologies to enhance environmental stewardship.



*Above: White Pelicans Gather on a Terrace created by Ducks Unlimited*

## Coastal Restoration

We have been involved in a number of restoration initiatives over the past several years. To date, ConocoPhillips has provided property access for 75 various restoration projects that have enhanced more than 86,000 acres of wetlands. Additionally, there are 18 proposed projects under construction or pending that will enhance an additional 82,000 acres. These initiatives restore habitats that support the local economy through commercial food suppliers and outdoor enthusiasts.



**Above:** *Initial, intermediate and final images of a Coastal Restoration project on our property.*

# Carbon Sequestration

Carbon sequestration is an emerging technology by which carbon is removed from the atmosphere and deposited in wetland plants and soil for long-term storage of atmospheric carbon dioxide (CO<sub>2</sub>). Our coastal wetlands could prove useful in advancing the collective understanding of wetland sequestration and the positive impacts of preventing wetland loss.

The ConocoPhillips Environmental Assurance Group studies the potential of wetlands as a source for carbon capture. The image at right shows the wetland growth process that someday might be used for carbon credits. With the creation of carbon emissions trading systems, we believe the ConocoPhillips Coastal Wetlands could serve as a future source to store carbon and offset emissions.

## STORAGE

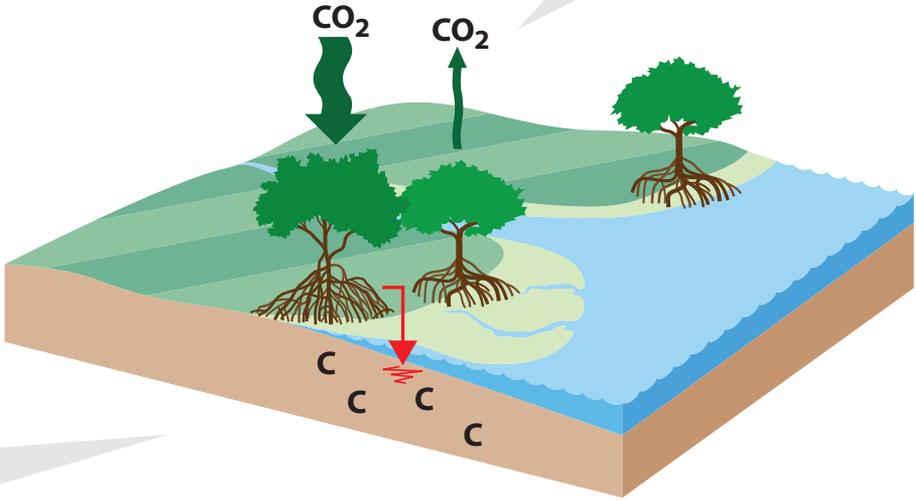
Dead leaves, branches and roots containing carbon are buried in the soil, which is frequently, if not always, covered in the tidal waters. This oxygen-poor environment causes very slow breakdown of the plant materials, resulting in significant carbon storage.

*Below/Right: ConocoPhillips partners with Tierra Resources, Louisiana State University and Southeastern Louisiana students transporting mangrove seedlings for planting on company property.*



## SEQUESTRATION

Carbon dioxide in the atmosphere is taken in by trees and plants during the process of photosynthesis. Some carbon is lost back to the atmosphere through respiration. The rest is stored in the leaves, branches and roots of the plants.



## Wetland Mitigation

Wetland delineation and mitigation have become a vital part of the planning process for constructing in or near ecologically sensitive areas. We have played an important role by making acreage available for restoration projects that replace vital wetlands damaged or displaced by construction activities along the Louisiana coast. Our coastal wetlands provide what could become a growing resource for effective wetland mitigation.

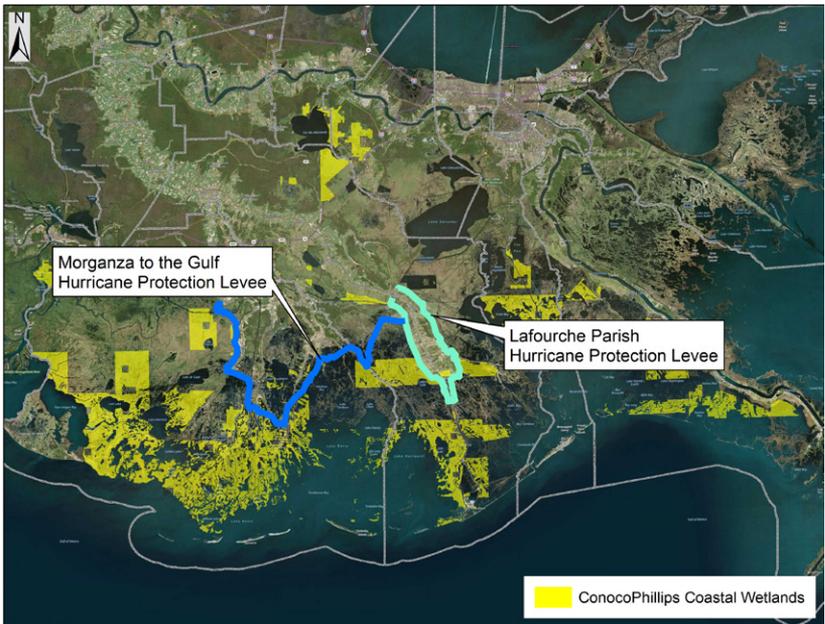
The mitigation project shown on the right, was a Cooperative Agreement between the Louisiana Department of Natural Resources and the South Lafourche Levee District that was constructed on our property. The project is called the “Catfish Lake Marsh Creation Project” and was funded by the Coastal Impact Assistance Program (CIAP). The purpose of the project was to stop broken marsh from changing to complete open water and also to re-establish a marsh rim to protect levees, cheniers and roads. Ultimately, the improved marsh will environmentally enhance the production and function of the estuary. The project consisted of dredging sediments from a borrow canal and moving these sediments to shallow open water and broken marsh to re-establish the growth of marsh grass and other wetland plants. Small dredges were used to move material in slurry through a moveable suction pipeline for approximately one and one-half miles. The dredge site material was transported by pipe to the sediment deposit sites. The sediments were placed to an elevation of 1 foot above sea level which allowed the growth of rooted marsh grass.

**Right: Top/Center/Bottom:** *Dredge/Containment Mitigation Project*



# Stakeholder Engagement

The coastal wetlands in Louisiana provides a buffer for business infrastructure and protection against major storms and tidal surge events. We are participating in two major Hurricane Protection Projects: **The Morganza to the Gulf Hurricane Protection Levee** and **The Larose to Golden Meadow Hurricane Protection System**. These levees run through multiple sections of the company's land and provide approximately 115 miles of levee protection for the people of Louisiana. To support the levee construction, we provide access and easements at no cost to the levee districts, parishes, the State of Louisiana, as well as, federal government and other agencies.



*Above: Map showing Hurricane Protection Levees on our property*

We also partner with **Restore Or Retreat** with a similar goal of seeking to identify, expedite and aggressively engage solutions to achieve comprehensive coastal restoration. One of the key components of the process is through one-on-one conversations with community members, local businesses (on the coast and inland), state and federal government officials, and state and federal agencies.

Engaging volunteers and stakeholders is an important part of the coastal restoration process. We partner with **Coalition to Restore Coastal Louisiana (CRCL)** and their Habitat Restoration Program by providing restoration sites and company volunteers. Our resources, along with CRCL's programming, provide valuable educational experiences for community volunteers who become actively familiar with a wide variety of restoration methods while being part of the coastal restoration solution.



**Above:** Coalition to Restore Coastal Louisiana volunteers participate in mangrove restoration project

## ConocoPhillips/Ducks Unlimited Partnership

To help find innovative solutions to coastal restoration and slow damage to wetlands while preserving and protecting the ecological, environmental and economic viability of the coastal wetlands, we have entered into a habitat restoration agreement with **Ducks Unlimited, Inc.** Together, we are collaborating on important projects designed to reduce land loss and restore coastal habitats through terracing, fresh water enhancements and a variety of shoreline protection techniques.



*Above: Ducks Unlimited Bayou Carecro Fresh Water Induction—Before and After*



**Above/Middle:** Ducks Unlimited Terraces (Bayou L'Ours)  
**Bottom:** Ducks Unlimited Lost Lake Shoreline Protection Project

## ConocoPhillips in the Community

Managing the ConocoPhillips Coastal Wetlands requires regular interaction with diverse stakeholder groups including local, state, and federal government officials, state and federal agencies, petroleum companies, other landowners, nonprofit organizations, and the general public on many facets of land ownership.

To help foster collaborative partnerships that will restore, enhance and manage coastal habitats, we host an annual Agency, Parish, and Landowner Coastal Restoration Workshop. Our staff teams with Apache Louisiana Minerals, LLC, Continental Land & Fur Co., Inc. and representatives from Terrebonne, Lafourche, Jefferson and Plaquemines parishes to lead the meeting. There are numerous proposed projects that have been identified as candidates for future restoration projects.

We also work with universities that need access to wetland marshes for ecological research and studies. Partners to date include Louisiana State University, McNeese State University, Nicholls State University, University of New Orleans, Tulane University, University of Louisiana in Lafayette, Southeastern Louisiana University, the University of Florida and Duke University. Additionally, we have provided property for federal and state government research on invasive plant and animal effects on the environment. By working closely with stakeholders, we identify and integrate the best available maintenance practices to ensure that the ecological sustainability of the land is preserved and maintained for future use.



**Top/Right:** Elementary students from the Wetlands Discovery Center Summer Camp learn about types of marsh grass and geocaching.

**Below:** Loyola Law School students participate in a site visit to the Coastal Wetlands.



## Philanthropic and Volunteer Activities

We believe the most effective social and charitable investments are made through strategic relationships with organizations dedicated to serving our communities, day in and day out. We align our charitable efforts with our core values and business strategies. We address the specific needs of our community through volunteering and local grants. We support the education, health and safety, natural resource, arts, civic, social services and disaster relief programs vital to the health and well-being of the communities where we live and work.



**Above:** Wetlands Discovery Center Summer Camp Day at ConocoPhillips

**Below:** Philanthropic check given to Lafourche Parish Sheriff's Office in support of law enforcement



*Above: ConocoPhillips volunteers at the 4th of July Independence Celebration*

## Long-Term Vision & Goals

ConocoPhillips' vision for the Coastal Wetlands is to promote the wetlands as a world-class asset that embraces the beauty of the region and provides a protective barrier for communities and businesses as well as, economic viability for local fishermen, the energy sector and everyone that supports these sectors by:

- Proactively participating in initiatives and forums that provide opportunities for wetland recovery.
- Partnering with universities and others to identify ways to make coastal restoration projects more affordable through new technology or altering current restoration methods.
- Participating in studies that provide insight to the future of biomass carbon sequestration and wetland mitigation.
- Partnering with federal and state government agencies, nonprofit organizations and businesses to protect marsh and reverse wetland loss.
- Ensuring that economic activity and energy production are consistent with our stewardship of the Coastal Wetlands and supported by state and local communities.





## Local Pride.

At ConocoPhillips, we're building on our SPIRIT Values—Safety, People, Integrity, Responsibility, Innovation and Teamwork—to create a company like no other. A company with global reach and strong ties to the local communities where we operate. Along with our employees who live and work here, ConocoPhillips is proud to call Louisiana home.

As an industry leader, ConocoPhillips is one of the world's largest independent exploration and production companies based on proved reserves and production of liquids and natural gas. We explore for, produce, transport and market crude oil, natural gas, natural gas liquids, liquefied natural gas and bitumen on a worldwide basis, with operations and activities in 17 countries.

