

Barataria-Terrebonne National Estuary Program Tidal Graph Calendar

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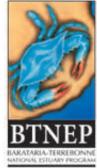


Barataria-Terrebonne National Estuary Program

By the 1980's scientists, governmental officials, and the public were becoming more aware of the disappearance of coastal Louisiana, our degrading water quality, and changes to our living resources. In response to these threats to our homes, culture, and livelihood, Governor Buddy Roemer nominated the Barataria-Terrebonne estuarine complex for inclusion in the National Estuary Program in 1989. In September of 1990, the United States Environmental Protection Agency (EPA) and the State of Louisiana committed to a cooperative agreement under the National Estuary Program to form the Barataria-Terrebonne National Estuary Program (BTNEP), one of 28 recognized nationally significant estuaries in the United States and its territories. The Program's charter was to develop a consensus-driven plan utilizing a coalition of government, private, and commercial interests to preserve the Barataria and Terrebonne basins. This coalition underwent a five year planning



process through which they identified problems, assessed trends, developed resource management strategies, recommended corrective actions, and sought implementation commitments. The culmination of this process is the Comprehensive Conservation and Management Plan, or CCMP. The CCMP contains 51 action items addressing the environment, economics, coordinated planning, and citizen involvement. The coalition of stakeholders that formed the CCMP (now called the Management Conference) acts as a board of directors. Together, the Management Conference and the BTNEP program office continue to implement the action plans of the CCMP through research, restoration, outreach, and education. The mission of the Barataria-Terrebonne National Estuary Program (BTNEP) is the preservation and restoration of the Barataria-Terrebonne estuary system, the 4.2 million acres between the Atchafalaya and Mississippi river basins. BTNEP strives to rebuild and protect the estuary for future generations through the implementation of a science-based, consensus-driven plan that utilizes partnerships focused on the estuary's rich cultural, economic, and natural resources.





Established in 1991, the mission of the Barataria-Terrebonne Estuary Program (BTNEP) is the preservation and restoration of the Barataria-Terrebonne estuarine system, the 4.2 million acre region between the Atchafalaya and Mississippi River basins. The BTNEF strives to rebuild and protect the estuary for future generations through the implementation of a science-based, consensus-driven play that utilizes partnerships focused on the estuary's rich cultural, economic and natural resources



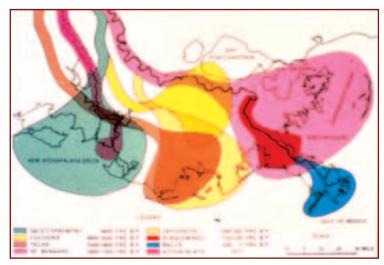
Jince its inception, BTNEP has been a critical partner in federal, state, and local efforts to restore coastal Louisiana. Now more than ever, BTNEP's outreach specialists and scientists are instrumental in the planning, design, and implementation of the most innovative and effective strategies in coastal restoration. In addition to restoring our diverse ecology, BTNEP is committed to preserving our unique culture and the coastal economy that drives our state and the nation. This 2011 Tidal Graph Calendar highlights just a few of the hundreds of BTNEP projects executed over the past two decades. These projects range from ambitious land-building endeavors to creative educational products. This varied suite of tools helps to ensure the involvement of all of the diverse stakeholders that live, work, and play in the Barataria-Terrebonne National Estuary. BTNEP's efforts have restored wetlands, educated school children, entertained audiences, and garnered acclaim across the nation. We have not accomplished this alone. The members of the BTNEP Management Conference, our partner organizations in coastal restoration, and devoted citizens help to design our programs, choose our projects, and implement our mission. The passion of our people lies at the heart of our program and is felt in all of our efforts.

Our work is far from over. Coastal Louisiana continues to disappear at an alarming rate. Each year more of our people watch the land where they work, fish, or live sink below the water. Even with the nation's attention now focused on our fragile wetlands, we

need to remain vigilant. Your voice is more important than ever. Over the coming months and years, decisions will be made that will shape the future of Louisiana. Our people have a right to dictate their own future. We must preserve not only our wetlands, but also our communities, our fisheries, and our way of life.

Please enjoy this year's calendar. We look forward to continuing our work with you for the preservation, protection, and restoration of our great home.

-Barataria-Terrebonne National Estuary Program



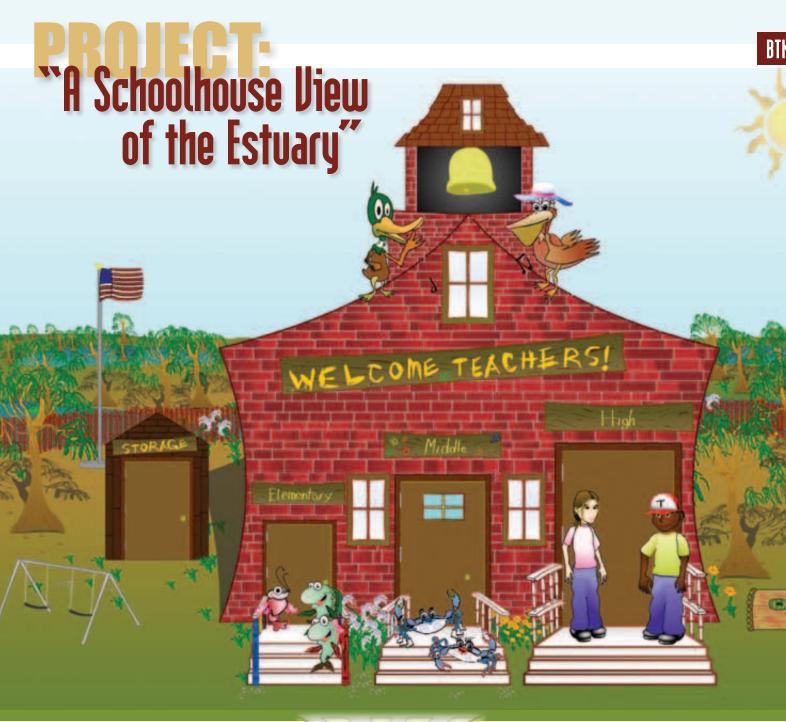
Major Delta Lobes - Mississippi River

BTNEP Project: Priority Problem Posters

Look to this column throughout the calendar for information on BTNEP programs and products.

The BTNEP Priority Problems poster series educates stakeholders about the challenges facing our wetlands and how they can be addressed.







LA Dept. of Wildlife and Fisheries





LA Dept. of Wildlife and Fisheries Tammy Benoit

BTNEP Program: BTNEP Education Program

Problem Addressed:

BTNEP is committed to a strong education program. Curricula have been developed for teachers complete with GLEs, blackline masters, and history to help students understand, appreciate, and preserve the estuary. We know how important it is that the resources we provide the teachers help in producing an educated citizenry, who will understand and protect our valuable natural resources now and in the future.

Program Background:

The goal of the BTNEP Education Program is to educate teachers and students of grades K-12 about the wetlands and related habitats of the Barataria-Terrebonne National Estuary and the priority issues facing our wetlands. Our curricula facilitate instruction by providing handson, inquiry-based lessons focused primarily on science, math and art content and skills. The lessons also provide easy access to materials necessary to teach students, as well as to environmental issues that have a direct effect on the Barataria-Terrebonne National Estuary.

Example Project: A Schoolhouse View of the Estuary

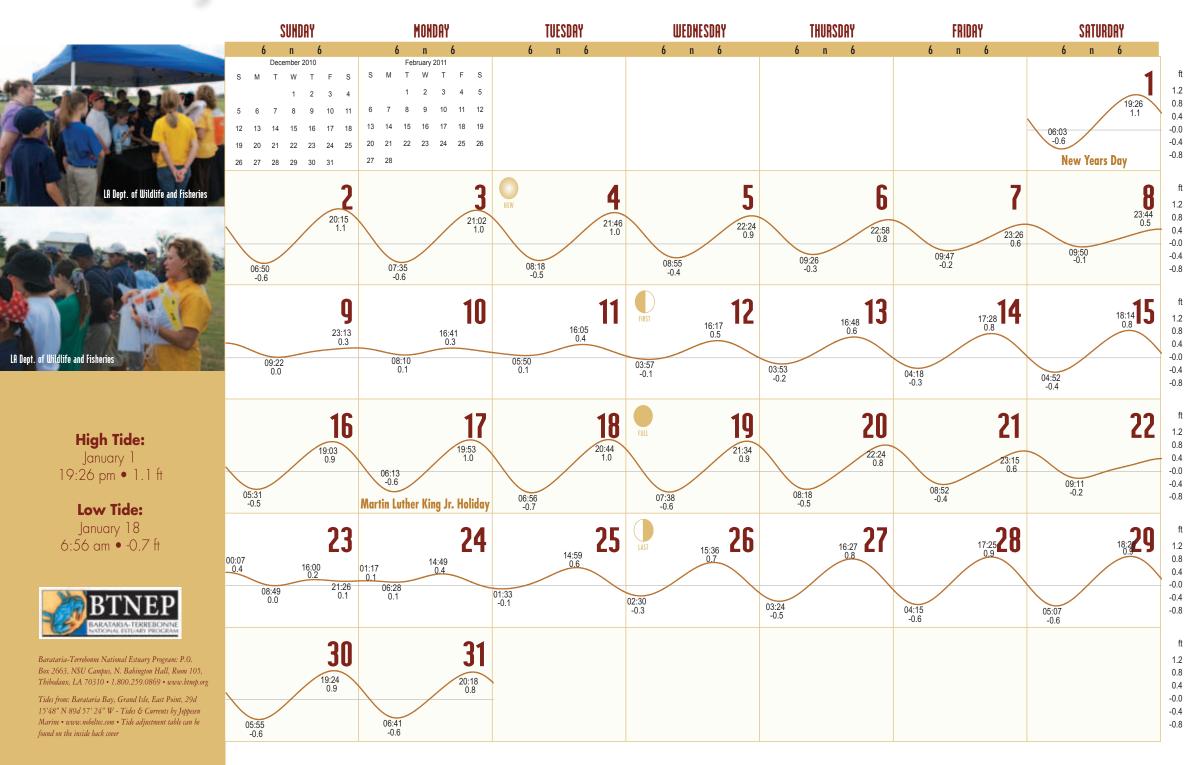
"A Schoolhouse View of the Estuary" is designed to be used by classroom teachers in grades K-12. It is divided by grade levels with lessons, activities, maps and more for teachers to share with students. This CD is easy to navigate and provides educators with a host of resources for wetland related activities and lessons. Inside the CD, educators can visit an elementary classroom, a middle school classroom, or a high school science lab to learn more about Louisiana wetlands.

The "A Schoolhouse View of the Estuary" CD is an example of the Estuary Program's work to centralize an array of partners and resources to create the best tools possible. CD partners include: Coastal Wetlands Planning, Protection and Restoration Act; National Park Service: Natural Resources Conservation Service: and the Louisiana Science Teachers Association.

Other Projects :

BTNEP works with local, state, and federal partners on a variety of programs to enhance K-12 education opportunities including, From H2O: A Water Quality Workshop for Teachers, Terrebonne Aquatic Clinic, Wetland Camps at Jean Lafitte National Historical Park, LA Environmental Education Symposium, WETSHOP, and the Eagle Expo Student Educational Program.

January 2011



PROJECT: Fourchon Maritime Forest Ridge



BTNEP Program: BTNEP Large Scale Restoration Partnerships

Problem Addressed:

The unparalleled disappearance of Louisiana's coast can only be surmounted by large scale projects accomplished through partnerships that bring together the knowledge and resources necessary to address this overwhelming crisis.

Program Background:

BTNEP has played an instrumental role in the advancement of private, corporate, and public collaboration leading to unique partnerships resulting in meaningful restoration for coastal Louisiana.

Example Project: Fourchon Maritime Forest Ridge

In 2001, BTNEP and the Greater Lafourche Port Commission fostered a partnership with other organizations to reestablish a chenier ridge in southeast Louisiana, now known as the Fourchon Maritime Forest Ridge.

Louisiana's unparalleled coastal wetland loss has dire consequences for many species of fish and wildlife. But of equal importance are the distributary ridges and chenier ridges that are also being lost at an alarming rate. These ridge habitats are extremely important to many animals including the millions of migrating birds that cross the Gulf of Mexico in the spring each year on their way back to their breeding grounds in the eastern United States and Canada.

This project involves pumping earthen material via hydraulic dredge. Constructed in phases, each of the three components will result in the restoration of over 100 acres of chenier ridge and marsh habitat that will stretch approximately 12,000 linear feet. The creation of new slips for the expansion of Port Fourchon provided the material for the project. In addition to benefitting the economics of the region, the port expansion and the construction of the Fourchon Maritime Forest Ridge help to restore habitat and protect infrastructure from the effects of hurricane storm surge. This unique partnership is just one example of how all the stakeholders of Louisiana can work together for the preservation, protection, and restoration of our coast.

Other Projects :

Project partners include the Greater Lafourche Port Commission, National Oceanic and Atmospheric Administration, Louisiana Department of Natural Resources, Natural Resource Conservation Service, Shell Oil Company, Chevron, Texaco, Gulf of Mexico Foundation, and the Gulf of Mexico Program.

February 2011





BTNEP Program: BTNEP Volunteer Program

Problem Addressed:

In response to a string of natural and man-made disasters that have recently plagued Louisianans, people from across the country have shown overwhelming compassion and support for coastal communities by volunteering to rebuild homes and restore neighborhoods.

Program Background:

The BTNEP Volunteer Program provides a way for visitors and residents to get involved in the preservation of coastal Louisiana by offering volunteers opportunities in wetland plantings, beach cleanups, invasive species removal, and more.

Example Project: Rustic Pathways Partnership

For the past three years BTNEP has partnered with Rustic Pathways, an organization that offers service programs to high school students from across the nation. Destinations for Rustic Pathways students include Tanzania, Thailand, Cambodia, Laos, Burma, and many more.

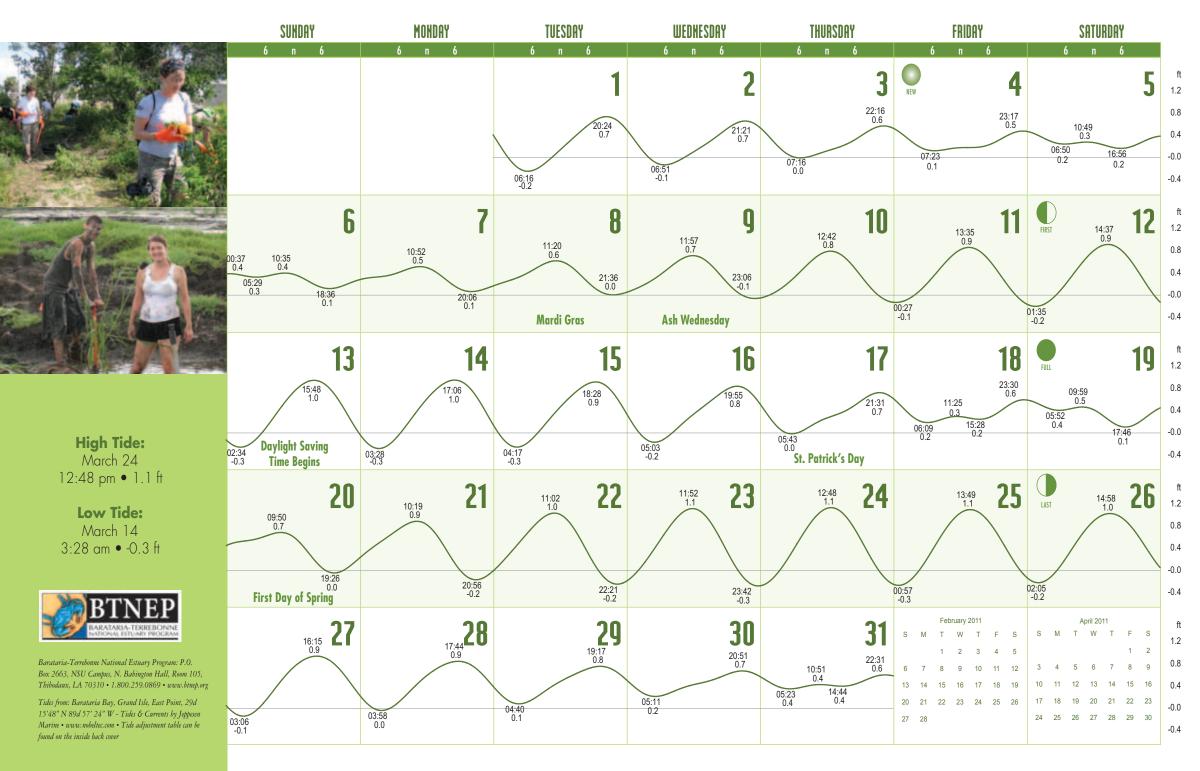
In the wake of the devastating 2005 hurricane season, Rustic Pathways began organizing service trips to New Orleans to aid in the rebuilding of communities impacted by Hurricane Katrina. BTNEP has teamed up with Rustic Pathways to provide an opportunity for students from around to country to take part in the restoration of Louisiana wetlands while learning why a vibrant coast is critical to the preservation of our ecology, our economy, and our culture.

Participants spend a day of their one to two week-long trip in the wilds of Louisiana. Students repair trails, remove invasive species, clean beaches, and plant wetlands. Each day begins with a lesson on coastal land loss and the national importance of Louisiana's wetlands. Volunteers are urged to return to their homes across the country and share the story of the Barataria-Terrebonne National Estuary and the need for its long-term preservation, protection, and restoration.

Other Projects :

In addition to its partnership with Rustic Pathways, the BTNEP Volunteer Program offers opportunities to locals and visitors throughout the year. Visit http://volunteer.BTNEP.org to register to receive announcements for upcoming events or call the BTNEP Program Office to set up service learning trips for your high school, college, church, or community group.

March 2011



Birding Boardwalks

BTNEP Program: BTNEP Avian Research, Restoration, and Outreach Program_____

Problem A<u>ddressed:</u>

Coastal Louisiana lies at the convergence of North America's great migratory flyways. Birds that spend their summers throughout the United States and Canada fly south each fall to the warmer regions of the Southern US, Central America, and South America. These same birds return north in the spring to breed and nest. On each trip, birds stop in our estuaries to feed, rest, and garner protection from predators. The disappearance of coastal habitat threatens a critical link in the migration path of these species.

Program Background:

BTNEP is committed to preserving the resources and habitats necessary to sustain and enhance migratory and resident bird populations. BTNEP scientists conduct annual surveys to assess populations, BTNEP projects restore and protect critical habitat, and BTNEP staff educate residents and visitors on the importance of coastal Louisiana to bird species.

Example Project: Birding Boardwalk

Few opportunities exist for the public to experience coastal Louisiana's diverse bird populations and the habitats they utilize. In order to expand understanding and increase the commitment to protect these resources, it is critical that residents and visitors have the chance to see first-hand the brilliance of our natural environments.

Recently, BTNEP coordinated with many partners to fund efforts to construct boardwalks, observation platforms, and educational kiosks at sites identified by the America's Wetland Coastal Birding Trail. Funds have been provided by BTNEP for signage to identify routes and locations included in the multi-page birding trail brochure.

Projects completed include: the construction of the Marguerite Moffett boardwalk, observation platform, kiosk, and parking area in Terrebonne Parish; observation platforms, boardwalk, and kiosks at Pointe au Chene Wildlife Management Area; observation platform and small boardwalk at LUMCON; trails, boardwalks, and kiosks at several locations on Grand Isle, LA; a bridge and observation platform at Mandalay National Wildlife Refuge; bridge, trails and kiosk at Woodlands Trail and Park in upper Plaquemines Parish at Belle Chasse.

Other Projects :

In addition to BTNEP's partnerships in the Birding Boardwalks Program, avian protection and education projects include: annual shorebird surveys on Louisiana's barrier islands, the restoration of maritime forests on Grand Isle, an annual Birding Calendar, Louisiana Raptors book, Wings over the Wetlands book and video, Vanishing Before Our Eyes book on cheniere woods and the birds that depend on them, and more.

April 2011





BTNEP Program: BTNEP Invasive Species Program

Problem Addressed:

Invasive species are defined as any non-native organism whose introduction causes harm to the local ecology, economy, or to human health. Louisiana is particularly susceptible to biological invasions due to the prominence of its ports, as the shipping business is a major pathway for species introductions. Our mild climate then offers invaders ample opportunity to reproduce and spread.

Program Background:

The BTNEP Invasive Species Program utilizes the expertise of many dedicated professionals from state and federal resource agencies, business and industry, environmental groups, and academia to help develop projects and programs to mitigate the impacts of invasive species through research, monitoring, and control efforts.

Example Project: Barataria-Terrebonne Rapid Assessment Project

In the summer of 2008, BTNEP partnered with over 50 field personnel from agencies and universities in five states to conduct Louisiana's first rapid assessment of invasive species in the Barataria and Terrebonne estuaries. The event was a week-long intensive survey of plants, fish, and invertebrates intended to form a baseline snapshot of invasives for use in future monitoring, tracking, and control.

Volunteer field surveyors, plant and animal identification experts, and other logistical volunteers lived in the field and sampled specific sites throughout the Barataria and Terrebonne estuaries, focusing on plants, fish, and invertebrates. The resulting baseline of information about invasive species from this project will provide the state's Louisiana Aquatic Invasive Species (LAIS) Council and the Gulf and South Atlantic Regional Panel with data for invasive species management purposes. It will also provide the Council and Panel with an assessment process and data that can be used when planning future rapid assessments.

Over 2,000 data entries from the week's field surveys were eventually compiled into a searchable database. Though no new invasive species were discovered, the assessment did reveal a startling degree of geographic spread for several known invasives. In particular, the floating fern, giant salvinia, was discovered in several areas well outside of its previously known range, and an invasive fish, the Rio Grande cichlid, was found to have moved from east of the Mississippi River into the Barataria system for the first time.

Other Projects :

Other projects conducted by the BTNEP Invasive Species Program include the planting of native gardens, a zebra mussel survey of Bayou Lafourche, the promotion of nutria fur for use in fashion, and the award of BTNEP mini-grants for invasive species control.

High Tide: May 18 10:31 am • 1.5 ft

Low Tide: May 17 21:03 pm ● -0.3 ft



Barataria-Terrebonne National Estuary Program: P.O. Box 2663, NSU Campus, N. Babington Hall, Room 105, Tbibodaux, LA 70310 • 1.800.259.0869 • www.btnep.org

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May 2011



BTNEP Program: BTNEP Cultural Preservation Program

Problem Addressed:

Because of the strong ties between cultural heritage and our natural resources, the unique lifestyles of coastal Louisiana are threatened as our wetlands disappear. Southern Louisiana has a strong history of food, music, language, folklore and lifestyles, all clearly related to richness of our natural resources. People once relied upon the land and the water for their livelihood. Within a generation, the fish and wildlife resources are diminishing, and many people are no longer directly dependent upon the land for their income. Still, many are engaged in hunting, fishing, and shrimping for all or part of their livelihood and even more use these resources for recreation. To maintain this cultural tie to the land, we must maintain our environment.

Program Background:

BTNEP's cultural preservation programs bring greater awareness to the interaction between people, lifestyles and the environment. As community pride is nurtured, citizens become more engaged in the preservation of both the physical and cultural resources of the region.

Example Project: Down on the Bayov Film

BTNEP partnered with Vision Communications, LLC and film producer Andrew Elliott to develop a film featuring the Louisiana shrimper. *Down the Bayou* documents life on a shrimp boat and the hardships of the trade – from commercial issues, the high cost of gasoline, to the disappearing coast and its effect on the industry.

A two-person documentary crew traveled the waters of coastal Louisiana with shrimpers throughout the 2008 brown shrimp season and captured a truthful cross section of this unique livelihood. Through the exploration of the language, dialect, food, music, and traditions of a truly singular culture, *Down the Bayou* presents the challenges facing the residents of the estuary, possible solutions, as well as the cost of doing nothing. Stunning images and audio of the estuary showcase its beauty, as well as its national importance. *Down the Bayou* explores the interconnectability of the human condition and presents the people of the Barataria-Terrebonne National Estuary as an important part of a larger picture.

Other Projects :

In addition to the film *Down the Bayou*, BTNEP conducts a number of cultural preservation activities throughout the year including the annual La Fête d'Ecologie and Paddle Bayou Lafourche, a four-day canoe trip through the heart of the Barataria-Terrebonne National Estuary.

June 2011



PROJECTE Oil & Produced Water Spill Prevention Calendar

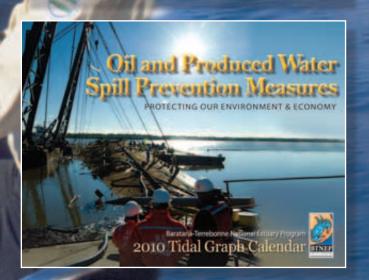




common sense measures that really save maney and protect the environment



2007 TIDAL GRAPH CALENDAR



BTNEP Program: BTNEP Water Quality Program

Problem Addressed:

Water is the lifeblood of coastal Louisiana. Our wetlands are the base of a vast food chain that makes our waters, our land, our air, and the Gulf of Mexico one of the most biologically productive regions on Earth. In order to maintain the natural habitats that make this place so valuable, it is important that we keep our waters clean and healthy.

Program Background:

The BTNEP Water Quality Program tracks the health of our waters, identifies sources of pollution, and executes projects to help improve water quality.

Example Project: Spill Prevention Calendar

In the wake of the 2010 BP Deepwater Horizon oil spill, the nation is keenly aware of the importance of sound practices in fossil fuel exploration and transport. For the two decades prior to the spill, BTNEP has worked to expand measures that help protect our waters from the adverse effects of oil and produced water spills. In an effort to increase oil and produced water spill prevention and early detection, BTNEP has created informational calendars on a semi-annual basis for use by the petroleum exploration and production industry.

The calendar includes twelve story lines depicting common sense cost effective measures associated with oil and produced water spill prevention and early detection measures. The calendar identifies and disseminates these prevention measures, most of which are in fact regulatory requirements, in a publication that will have a high circulation and is of value to the user. Measures concentrate on physical spill prevention measures and the implementation of crucial self-inspection programs.

This educational publication is available for use by the large number of Oil & Gas Exploration & Production, Pipeline, and Service Companies located within the Barataria-Terrebonne National Estuary Program's boundaries. This publication further seeks to assist facility operators in the implementation of established company specific spill prevention programs.

Other Projects :

In addition to the Oil and Produced Water Spill Prevention Calendar, the BTNEP Water Quality Program has: developed a citizens monitoring program, evaluated the effectiveness of diverting stormwater into wetlands, funded the H-2-O water Quality Workshop for teachers, and more.





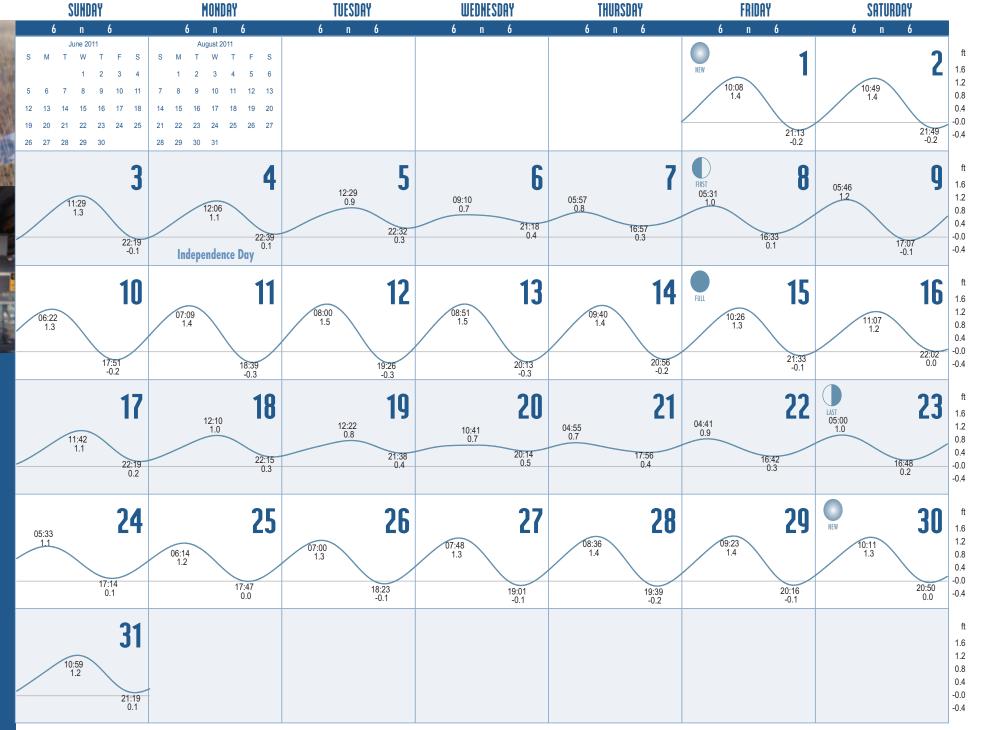
High Tide: July 13 8:51 am • 20.13 ft

Low Tide: July 12 19:26 pm • -0.3 ft



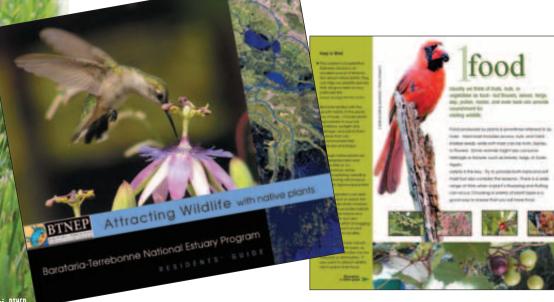
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PROJECT: Residents' Guide Series





ox Squirrel: Michael Massimi, BTNEP



DUNES



the butterfly









hummingbirds



BTNEP Program: BTNEP Public Education Program

Problem Addressed:

Education may be our most important tool in the fight against coastal land loss. An educated public understands the reason our wetlands are disappearing, knows the impacts to the entire nation, and is aware of the best available tools to restore our coast.

Program Background:

Since its inception in 1991, BTNEP has produced hundreds of reports, posters, pamphlets, and videos that help to educate the residents of coastal Louisiana and visitors around the world of the importance of our ecology and our culture. Printed materials are used in classrooms around the state, BTNEP posters hang on the walls of offices across the coast, and BTNEP videos have aired around the country.

Example Project: Residents' Guide Series

The Barataria-Terrebonne National Estuary Program's Residents' Guide series is a collection of booklets intended to inform and assist citizens in improving their surroundings in a manner that is consistent with the mission of BTNEP. Booklets in the series explain the benefits of using native plant materials to contribute to wildlife habitat, provide best management practices for water quality, describe the most effective options for control and prevention of invasive species, explain the reasons behind coastal land loss and the tools used in restoration, and more. The guides provide information in easy to read booklets written in simple terms to be utilized by the general public.

The publications are for home owners and land owners, professional and do-it-yourself landscapers, sportsmen, boaters, and the general public to deliver factual information on coastal processes and restoration, the impacts from non-native species, methods to prevent the spread of invasives, the benefits of native plants, composting, resource conservation, and other eco-friendly practices.

BTNEP's first Residents' Guide, Attracting Wildlife with Native Plants, has been extremely popular with gardeners, birders, and backyard wildlife enthusiasts. BTNEP has printed and disseminated over 15,000 copies. Other guides in the series will include: Landscaping with Native Plants, Best Management Practices for Water Quality, Managing Invasive Species, and Residents' Guide to Coastal Restoration.

Other Projects :

Other BTNEP publications include "Saving Our Good Earth – A Call to Action", the activity books, Claude & Clawdette's Estuary Adventure and Salt Marsh Habitat, the BTNEP "Stakeholders' Report" highlighting BTNEP projects and activities, multiple reports on estuary birds, multiple videos including "Harvest to Restore," and this calendar.

August 2011



Wetlands Educational Theater Outreach

BTNEP Program: BTNEP Mini-Grants Program

Problem Addressed:

The residents of the Barataria-Terrebonne National Estuary are on the front lines of the battle against coastal land loss. When provided with the proper resources, the inhabitants of coastal Louisiana are the best suited candidates for the job of education and restoration.

Program Background:

The BTNEP Mini-Grant program provides funding for small-scale projects that can have large-scale impact. Each year, applicants submit project ideas for up to \$5,000. Grants allow those most affected to help play a part in the restoration of their home.

Example Project: Wetlands Educational Theater Outreach

One BTNEP Mini-Grant recipient used performing arts to introduce students to Louisiana's wetlands. A one-hour, in-class presentation for elementary students in Barataria-Terrebonne National Estuary schools, the Wetlands Educational Theater Outreach was designed to offer a different method for learning about the importance of the coastal wetlands of Louisiana.

The program incorporated several activities, including: a 10-minute professional theatrical presentation, "Treasure of the Wetlands," performed by Chase Kamata and directed by Carl Walker, with a power point slideshow of wetland photographs by nature photographer C C Lockwood; a lively 20-minute discussion about Louisiana's wetlands, led by JoAnn Burke, of the Lake Pontchartrain Basin Foundation; and a 30-minute presentation of wetland animals by handlers from the Audubon Zoo's "Wetland Express," led by Erica Olson of the Audubon Nature Institute. The students also received a take-home sheet on how they can help the wetlands. Grant recipient Mindy Mayer was project director and writer.

During the fall and winter of 2008-2009, the Wetlands Educational Theater Outreach conducted 10 in-school presentations, reaching more than 400 students in the Barataria-Terrebonne National Estuary. The grades of the students ranged from 1st to 4th, and the size of audience for each presentation varied from 21 to 67.

Other Projects :

BTNEP Mini-Grants have led to some of the most successful and rewarding projects ever accomplished through BTNEP partnerships, including: "Bayou Lafourche: The Longest Street in the World," a video on the history and importance of Bayou Lafourche; "Righteous Fur," an effort to promote the use of nutria fur in fashion; and "Rare Plants, Animals, and Natural Communities of the Louisiana Coastal Zone," a manual developed in partnership with the Louisiana Department of Wildlife & Fisheries.

September 2011



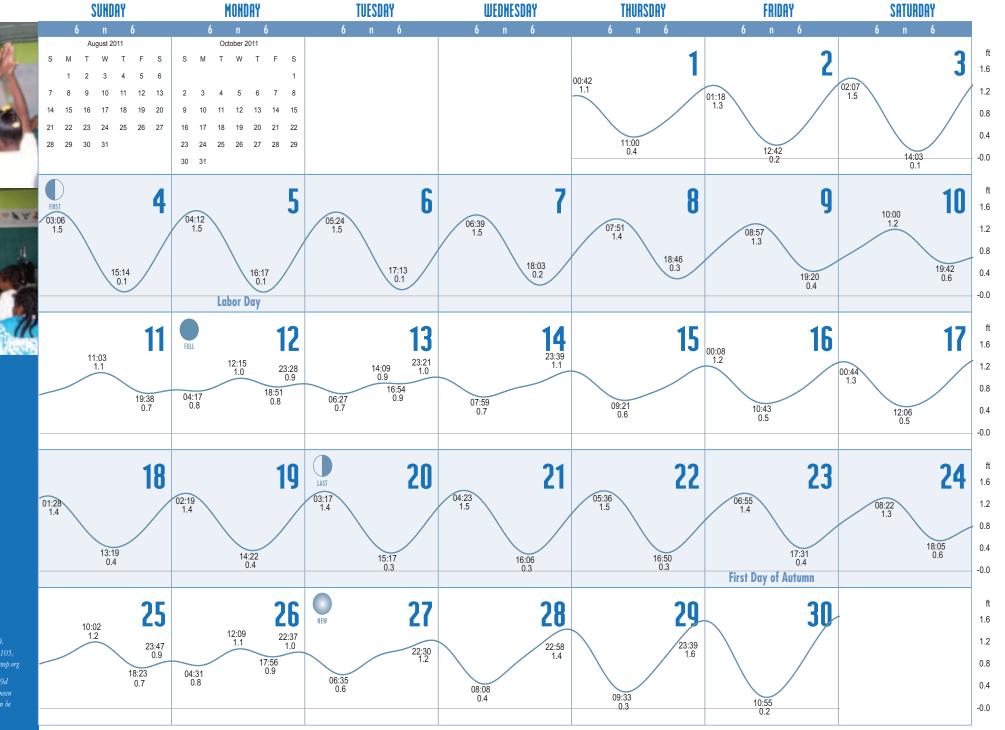
High Tide: September 29 23:39 pm • 1.6 ft

Low Tide: September 5 16:17 pm • 0.1 ft



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Uoody Species Plant Project

BTNEP Program:BTNEP Coastal Vegetation Research
and Restoration Program

Problem Addressed:

Coastal land loss rates in Louisiana are higher than anywhere else on Earth. The impacts to fish and wildlife utilizing coastal wetland habitats in the Barataria-Terrebonne National Estuary are considerable.

Program Background:

The BTNEP Coastal Vegetation Research & Restoration Program addresses the impacts to coastal wetland habitats by fostering partnerships with other agencies and organizations to implement projects that restore natural landscape features that are vegetated with native species.

Example Project: Woody Species Plant Project

The Woody Species Plant Project attempts to address the specific problem of the loss of maritime forests in Louisiana's coastal wetlands due to subsidence and erosion.

Efforts to restore Louisiana's disappearing wetlands have focused mainly on wetland and dune grasses. There is little information available for the selection, propagation and establishment of woody plants applicable to highly disturbed and saline soils. Consequently, many restored sites lack plant species diversity and therefore have limited wildlife habitat value, specifically to resident and migratory bird species.

BTNEP has partnered with the USDA-NRCS Golden Meadow Plant Materials Center and is conducting in-house research to identify woody species suitable for coastal restoration. Steps include the identification, selection, propagation, and testing of native woody species with known wildlife value; development of harvesting, handling, and propagation techniques; the production of select plant materials for field trials; the evaluation of plant establishment and management procedures; and the advancement of industry understanding through publications, demonstrations, and information exchange. To date, thousands of trees have been grown, planted, and are currently being evaluated.

Other Projects :

In addition to the Woody Species Plant Project, BTNEP is partnering with the Natural Resources Conservation Service (NRCS) in developing propagation and planting techniques of *Vallisneria americana* for submersed aquatic vegetation restoration projects, as well as Nicholls State University (NSU) and NRCS in the establishment of flooded ponds to grow wetland plants for use in marsh restoration projects.

October 2011



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Courtesy of NASA Earth Observatory

Davis Pond Advisory Committee

BTNEP Program:Barataria-Terrebonne National EstuaryProgram (BTNEP) Representing Stakeholders

Problem Addressed:

BTNEP staff members are active on many key-issue governmental committees that determine the outcome of coastal restoration projects with the goal of keeping those projects consistent with the goals of the BTNEP Comprehensive Conservation and Management Plan (CCMP).

Program Background:

In 1996, BTNEP completed its CCMP, which embodies the agreement among stakeholders in the Barataria-Terrebonne National Estuary and their view of what meaningful ecological restoration should include.

Example Project: Davis Pond Advisory Committee

The Davis Pond Diversion structure was completed in 2002 with operation of the diversion structure beginning that same year. The Davis Pond Advisory Committee is a collection of various public and private organizations, established to guide operation of the Davis Pond Structure.

Saltwater intrusion is one of the fundamental problems affecting freshwater habitat change in coastal Louisiana and a major factor affecting Louisiana coastal land loss. Davis Pond is currently the largest Mississippi River diversion and is used to control salinities and enhance wetland growth by the addition of freshwater, nutrients, and small amounts of sediment into the Barataria system.

The Davis Pond Advisory Committee holds meetings annually to authorize and direct the operation of the structure. This includes an annual report of the operation and an annual decision to accept or reject the existing operational plan.

Currently the Modification of Davis Pond Diversion Project Delivery Team is re-evaluating the Davis Pond operational plan so that the diversion can be operated in such a way that the total area of wetlands in the lower Barataria Basin is enhanced through the operation of the diversion. An increase in freshwater can enhance wetlands; however, this can also lead to significant impacts to estuarine-dependent species.

BTNEP plays an active role in the Advisory Committee and Project Delivery Team, representing the diverse stakeholders and uses of the Barataria-Terrebonne National Estuary.

Other Projects :

BTNEP staff represents stakeholders on various committees including the following: Long Distance Pipeline Sediment Delivery Focus Group, Terrebonne CZM, Lafourche CZM, State Parks & Recreation Commission, Coastal Forestry, CPRA Regional Planning Teams, Ocean Resources and Research Advisory Panel, and more.

November 2011



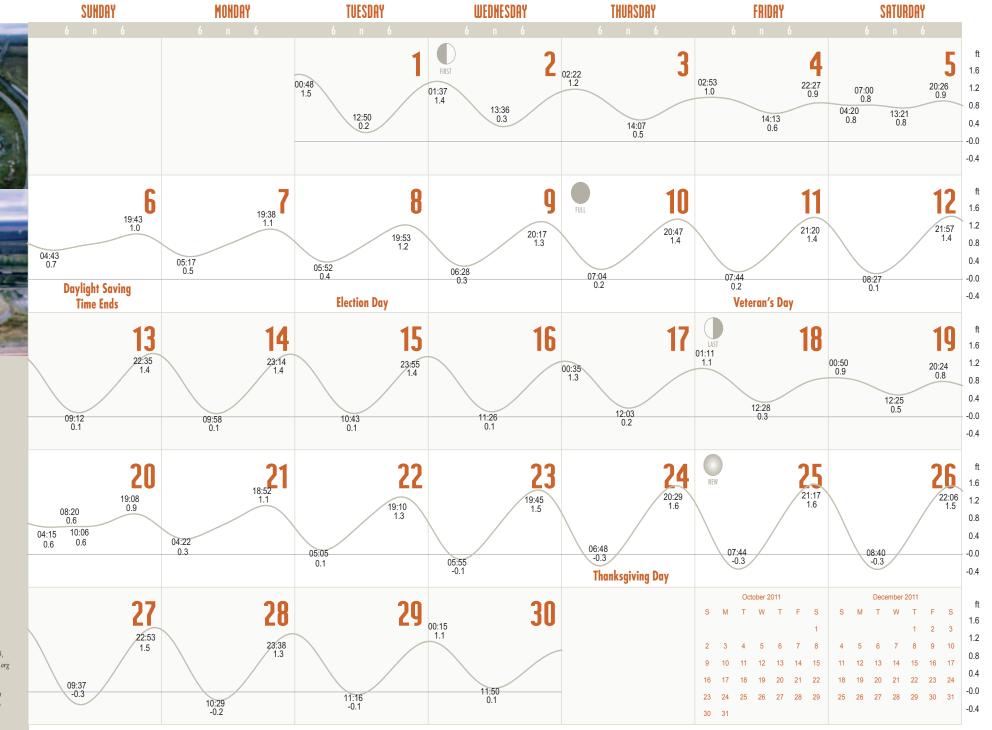
High Tide: November 25 21:17 pm • 1.6 ft

Low Tide: November 26 8:40 am • -0.3 ft



Barataria-Terrebonne National Estuary Program: P.O. Box 2663, NSU Campus, N. Babington Hall, Room 105, Thibodaux, LA 70310 • 1.800.259.0869 • www.htnep.org

Tides from: Barataria Bay, Grand Isle, East Point, 29d 15'48" N 89d 57' 24" W - Tides & Currents by Jeppesen Marine • www.nobeltec.com • Tide adjustment table can be found on the inside back corer



Get Involved















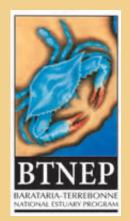


Get Involved

The Barataria-Terrebonne National Estuary is made of more than its wetlands and wildlife. The culture, communities, and people of this region are what make our home truly unique. A series of devastating hurricanes and the largest oil spill in the history of the United States have helped focus the nation's attention on the plight of our environment and our people. The political will and funding necessary to restore our estuary can only be attained with the backing of the entire country. But it is the residents of our coast that must determine the means used to preserve and protect our own resources. This agreement is BTNEP's Comprehensive Conservation and Management Plan. The people of the estuary know the ridges, waterways and marshes like many elsewhere know the roads of their city. Their guidance is critical to ensuring that we restore not only the landscape, but the function of our wetlands. Blue crab, oysters, speckled trout, brown shrimp, redfish, large-mouth bass, channel catfish, and many more species are all critical to our ecology, our economy, and our lifestyle. There must be a place for each of these in a restored ecosystem.

You can play a role in helping to shape the estuary of tomorrow. You can attend the quarterly BTNEP Management Conference Meetings, join a BTNEP Action Plan Team, become a BTNEP Volunteer, paddle down Bayou Lafourche with BTNEP in the spring, celebrate at BTNEP's La Fete d'Ecologie, and so much more. With each experience you'll learn more about the challenges we face and the real-world solutions to coastal land loss, empowering you to be a better advocate for the Barataria-Terrebonne National Estuary. By sharing what you've learned at parish council meetings, legislative committee hearings, and with your friends and neighbors, you can help guide our state to a more vibrant and healthy coast.

To learn more visit www.BTNEP.org.



December 2011



FISHING REGULATIONS

This is not a comprehensive or official copy of the laws in effect and should not be utilized as such. Size and creel limit regulations are presented for selected species only. These species as well as other species may be managed by seasons, quotas and permits. Different regulations for bass, catfish and crappie may apply within specific areas. Contact the Louisiana Department of Wildlife and Fisheries (LDWF) for specific information 225-765-2800.

FRESHWATER SPECIES				
SPECIES	SIZE LIMIT	DAILY LIMIT		
Largemouth and Spotted Bass	None	10		
(Atchafalaya Basin and Lake Verret-Palourde Area)	14" Minimum (TL)	10		
Crappie (Sac-a-lait)	None	50		
Striped or Hybrid Striped Bass	None: 2 over 30" (TL)	5 (Any combination)		
White Bass	None	50		
Yellow Bass	None	50		
Channel Catfish	25 less than 11" (TL)	100 🗍 100 total of		
Blue Catfish	25 less than 12" (TL)	100 - these three		
Flathead Catfish (Spotted, Yellow or Opelousas)	25 less than 14" (TL)	100 species		
Freshwater Drum (Gaspergou)	12" Minimum (TL)	25		

* For Red Drum (Redfish) and Spotted Seatrout (Speckled Trout): Recreational saltwater anglers may possess a two day bag limit on land; bowever no person sball be in possession of over the daily bag limit in any one day or while fishing on the water; unless that recreational saltwater angler is aboard a trawler engaged in commercial fishing for a consecutive period of longer than 25 hours.

** (Cameron & Calcasieu Parisbes) Daily take and possession limit of 15 Spotted Seatrout (Speckled Trout), no person sball possess, regardless of where taken, more than two spotted seatrout exceeding 25 total inches in length, which are considered part of the daily bag and possession limit in state and coastal territorial waters South of I-10 at the Louisiana/Texas border eastward to Hwy's 14 and 27 near Holmwood, south along Huy. 27 to Huy. 82 to the Gulf of Mexico.

*** There are specific regulations for Red Snapper and Shark. Contact the LDWF for more information

FORK LENGTH (FL): Tip of snout to fork of tail. TOTAL Length (TL): Tip of snout to tip of tail.



www.btnep.org

BTNFP thanks

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2011 Tidal Graph Calendar - Project Manager: Mel Landry Program Director: Kerry St. Pé Text provided by: Mel Landry, Alma Robichaux, Richard DeMay, Michael Massimi, Shelley Sparks, Dean Blanchard, Mindy Mayer, Matt Benoit, and Andrew Barron Design and layout by: deGravelles & Associates

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SALTWATER SPECIES			
SPECIES Speckled Trout* (Cameron & Calcasieu Parish**) Red Fish* Black Drum	SIZE LIMIT 12" Minimum (TL) 12" Minimum (TL), two over 25" 16" Minimum (TL), one over 27" 16" Minimum (TL), one over 27"	DAILY LIMIT 25 15 5	
Black Drum Southern Flounder Amberjack	None State & Federal Reg. 30" Min. (FL)	5 10	
Cobia (Ling or Lemon Fish) King Mackerel	State & Federal Reg. 33" Min. (FL) State & Federal Reg. 24" Min. (FL)	1 2 2	
Spanish Mackerel Red Snapper***	State & Federal Reg. 12" Min. (FL) State & Federal Reg. 16" Min. (TL)	15 2	

Tide Corrections

To find the best time to fish your favorite locations, find a location that is closest to your area and add or subtract the time from the corresponding daily prediction.

AREA	LOW (Hours:Minutes)	High (Hours:Minutes)
Shell Beach, Lake Borgne	+5:10	+4:01
Chandeleur Lighthouse	+0:38	+0:05
Venice, Grand Pass	+1:28	+1:06
Southwest Pass, Delta	-0:29	-1:29
Empire Jetty	-1:35	-2:03
Bastian Island	+0:22	-0:19
Quatre Bayou Pass	+0:27	+1:18
Independence Island	+2:09	+1:29
Caminada Pass	+1:44	+1:14
Timbalier Island	+0:33	-0:41
Cocodrie, Terrebonne Bay	+2:50	+1:10
Wine Island	+1:12	+0:08
Raccoon Point	-0:10	-1:03
Ship Shoal Light	-1:40	-2:54

Charts in this calendar are intended for use solely as a reference guide to Louisiana fishing. It is not intended for navigational use. BTNEP makes no warranty, expressed or implied, with respect to the accuracy or completeness of the information contained in these charts. BTNEP assumes no liability with respect to the use of any information contained in this document.