

2022 Teche-Vermilion Regional Flood Management Plan V1.5

Objective

Minimize the risk of a major flood event in the Teche-Vermilion Watershed.

Method

The method employed consists of lowering stages of major tributaries in advance in anticipation of a forecasted major rain event utilizing existing control structures, systems, and resources. This process establishes retention for a portion of the expected rainfall. Additionally, efforts will be executed to position gates and related water control systems to facilitate the efficient and safe movement of flood waters to the watershed flood plains and the Gulf of America.

Entities Involved in Operation of Plan

Plan Administrator and Operations Coordinator TBD

US Army Corps of Engineers(USACE)

Teche -Vermilion Freshwater District(TVFD)

St. Martin Parish Government and LA Wildlife and Fisheries

Red River, Atchafalaya and Bayou Boeuf Levee District (RRABB)

Parish Drainage Departments

Team Citizen Volunteers as needed

Systems, Control Structures, and Resources and Controlling Entity addressed by Plan

US Army Corps of Engineers Control Structures

Bayou Courtableau Water Control Structure

Provides drainage of Bayou Courtableau into the West Atchafalaya Spillway just south of US190 East of Port Barre



Darbonne control structure

Provides drainage of Bayou Courtableau into the West Atchafalaya Spillway just north of US190 East of Port Barre



Teche Vermilion Freshwater District Control Structures

Pumping Station

This pumping station is located north of Krotz Springs pumps fresh water from the Atchafalaya River for the Bayou Teche and Vermilion River to improve water quality and prevent salt water intrusion



Ruth Canal Diversion Structure

Gate on Ruth Canal just West of Bayou Teche South of Breaux Bridge controls water flow from Bayou Teche to the Vermilion River



Loreauville Canal control structure

Control Structure on Loreauville Canal East of Bayou Teche- controls water flow into Lake Fausse Pointe from Bayou Teche



Feeder canal/borrow pit control structure

Gate on Borrow Pit Canal near West Atchafalaya Spillway West Levee provides drainage from Bayou Courtableau into the West Atchafalaya Spillway West Levee Borrow Pit



St. Martin Parish Government and LA Wildlife and Fisheries

Henderson Lake Southern Control Structure

This structure manages the level in Henderson Lake and is located south of the Butte La Rose pontoon bridge



Red River, Atchafalaya and Bayou Boeuf Levee District

Bayou Rapides-Bayou Boeuf Gates

The first gate below is located between Bayou Rapides and Bayou Boeuf just west of downtown Alexandria LA .

The second gate below is located between Bayou Rapides and the Red River just north and west of downtown Alexandria LA.

Both gates are operated in sequence to provide irrigation waters to farm operations along Bayou Boeuf.



Plan Timetable Events

When a Rain Event is Forecast that could result in a Flood Event

As necessary as soon as a Major Regional Rain Forecast (8" of greater) is made for the Teche-Vermilion Watershed

A conference call for all the Operational Entities will be scheduled by the Plan Administrator and Operations Coordinator and made ASAP no later than 72 hours prior to the forecast beginning of the rain event. The Operation Plan will be activated immediately at the commencement of this meeting.

Action Plan

72 Hours(or sooner) Prior to a Forecasted Major Regional Rain Commences (8" of greater)

In order to lower stages in the Bayou Courtableau and Teche-Vermilion watersheds quickly the following operations of control systems and control structures and will be executed ASAP.

1. Teche-Vermilion Freshwater District Pumping Station ceases any pumping operations
2. Red River, Atchafalaya and Bayou Boeuf Levee District will close Bayou Rapides and Bayou Boeuf gates that that. if opened. provide irrigation water to the lower part of the watershed.
3. The USACE Bayou Courtableau Water Control Structure is opened when basin side levels are lower than bayou side levels and remain open until backflow occurs or targeted drawdown levels are achieved (approximately 15.63 ft which is the same annual operating pool stage level during the month of December.
4. The TVFD Feeder canal/borrow pit control structure is opened(Bayou Amy Gate)
5. The USACE Darbonne control structure is opened when basin side levels are lower than bayou side levels and remain open until backflow occurs
6. The Ruth Canal Diversion Structure is closed
7. Coordinating with LA Wildlife and Fisheries if Henderson Lake is not already in a drawdown the Henderson Lake Southern Control Structure will be opened and will remain open until the threat has passed
8. Loreauville Canal control structure is opened when the gauge at the upstream side(Bayou Teche side) of the structure is greater than 4 ft
9. The Plan Operations Coordinator will record a time and date log of when each operations step is executed. Additionally, recording of hourly level data will be made on critical gauge data to help understand how this Operation Plan impacts levels in the watershed.
10. Parish Drainage Departments will survey all critical bridge crossings for potential plugging by debris and take appropriate action. This is especially important on the W Port St Bridge over the Vermilion river in Abbeville which experienced severe plugging during the 2016 flood.
11. Citizen Volunteers assist with on the ground observations and monitoring where data is limited

Daily until Threat has passed

Follow up conference calls for all the Operational Entities will be held daily by the Plan Operations Coordinator until the threat of the major flood event has passed.

After the Rain Event or Flood Event has passed

The Plan Operations Coordinator will determine when the rain or flood event risk has passed and notify all of the entities to return all gates and control systems and structures to normal operations as soon as feasible.

Plan Contact List

Entity	Name	Position
Phone	eMail	
Russell Beauvais (225)202-3851 (cell)	USACE Operations Manager Old River Control Structure Russell.A.Beauvais@usace.army.mil	
TVFD (337)652-0496(cell)	Donald Sagrera sagreral@aol.com	Executive Director
St Martin Parish (337)319-5267	Sherbin Collette hendersonla@cox-internet.com	Mayor of Henderson, LA
RRABB Levee District (318)443-9646(cell)	Ryan Ingles wbyrd@rrabb.net	Executive Director
Citizen Volunteers		
St. Landry Parish (337)945-3661(cell)	Harold Taylor harold.taylor@lhcgroupp.com	Parish Council District 5
St. Landry Parish (337)308-4545(cell)	Ricky Broussard rickyb54@att.net	Retired
Lafayette Parish President Dredge the Vermilion, Inc. (337)739-9331	Dave Dixon daveralphdixon@gmail.com	Commissioner Bayou Vermilion District