

ASSOCIATION OF LEVEE BOARDS OF LOUISIANA



“Without Flood Control,
Nothing Else Matters”

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AMITE RIVER BASIN DRAINAGE AND WATER CONSERVATION DISTRICT

3535 S. Sherwood Forest Blvd, Suite 135

Baton Rouge, LA 70816

Telephone: 225-296-4900

Fax: 225-296-4990

Website: www.amitebasin.org

The mission of the Amite River Basin Drainage & Water Conservation District (ARBC) is “ To mitigate flood damage in the Amite River Basin, this Commission will serve as a multi-parish authority to accomplish flood control measures; facilitate cooperation between federal, state and local governing bodies to foster floodplain management; maintain and operate structures built under the auspices of the commission; and coordinate river management within the basin”.

The ARBC was created by the Louisiana Legislature by Act 896 in 1981 out of the necessity and recognition that in order to resolve the major flooding problems in the Baton Rouge Metropolitan Area, it required a basin wide (Regional) approach. Major floods are caused by the Amite and Comite Rivers that cross the Baton Rouge Area in North- South direction and affects 6 Parishes. Over the years many projects and programs were proposed, and all of them required the participation of the Federal Government through the U.S Army Corps of Engineers.(USACE).

The Comite River Diversion Canal (CRDC) is a project that evolved through this process and is presently under construction. It is built under a Project Cooperative Agreement between the USACE, the Louisiana Department of Transportation and Development (DOTD), the ARBC and the East Baton Rouge City- Parish (EBRP). The ARBC is also involved in developing and maintaining a floodplain management plan for the Basin and acts as a coordinating and cooperating agency between the cities, towns and parishes within the Basin on matters of drainage and flood protection and amelioration.

The ARBC is funded through State allocations and a part of an ad-valorem tax of the CRDC project.

Comite River Diversion Canal Project:

Estimated Cost (2009)	\$ 188,000,000
Federal share	\$ 134,000,000
Non-federal	\$ 54,000,000*

* Non-federal match can vary between 35-50% of project cost.

The CRDC runs in a east-west direction (12 miles) between the Comite River and Mississippi River. It is located between the Cities of Baker and Zachary.

Purpose: It will divert, on the average, 50% of the flood waters from the upper Comite River Sub-basin. That will reduce flood stages substantially in areas subject to flooding in the Baton Rouge area.

No jurisdictional levees. During flooding events, the ARBC works closely with the US Geological Survey to post River stages and prognosis of river stages. This information is posted on our web-site.

Number of Commissioners: 13

1 Executive Director

1 Administrative Secretary





ATCHAFALAYA BASIN LEVEE DISTRICT

P.O. Box 170

525 Court Street

Port Allen, LA 70767-0170

Telephone: 225-387-2249

Fax: 225-387-4742



Atchafalaya Basin Levee District was created in 1890 by Act No. 97 of the Louisiana Legislature.

The district is composed of the Parishes of Pointe Coupee and West Baton Rouge and part of the parishes of Iberville, Ascension, Assumption, St. Martin, Iberia and St. Landry.

Domiciled in Port Allen, West Baton Rouge Parish, Louisiana, the Board consists of 13 members, representing 8 parishes, as follows: 1 from Ascension, 1 from Assumption, 1 from Iberia, 3 from Iberville, 2 from Pointe Coupee, 1 from St. Landry, 2 from St. Martin, and 2 from West Baton Rouge.

Land area within the district is approximately 1,700,000 acres. All of the Morganza Floodway and the majority of the Atchafalaya Basin Floodway is located within the district.

This political sub-division is charged with the obligations of securing and clearing interfering facilities for rights-of-way for levee and levee drainage purposes, levee maintenance, borrow pit drainage, and oil, gas, mineral, campsite, hunting and other leases.

The majority of the district's revenue comes from ad valorem tax revenues. The remaining funds come from interest, leases and royalties, sales of used equipment, right of way reimbursements and intergovernmental receipts.

Work done by the Atchafalaya Basin Levee District includes:

1. General levee maintenance consisting of clearing weeds, brush and other woody growth, blading and shaping crown of levee, repairing miscellaneous erosions at ramps, cattle guards and controlling weed growth along fence lines by poisoning.
2. Willows and brush are removed from interior drainage canals and poisoning is done to control new growth along these canals. Woody growths are also cleared along riverside levee.
3. Borrow pit drains are excavated at numerous locations along the Mississippi and Atchafalaya Rivers.
4. Secure additional servitude wherever necessary to provide the Corps of Engineers clear access when enlarging the approximately 200 miles of levees in the Atchafalaya Floodway system. Clear interfering facilities from rights-of-way for levee enlargement and berm projects.
5. During floodfights, patrol levees, sandbag landside sand boils, remove interfering fences and cattle guards, maintain levee crowns, etc.
6. After floodfights, restore access roads on levee crowns, remove drift from levee slopes, restore cattle guards, etc.

The Atchafalaya Basin Levee District is responsible for maintaining a total of 326.3 miles of levees, one of the largest levee systems in the State. This system consists of levees on the Mississippi River, Atchafalaya River, Morganza Lower Guide, and East and West Atchafalaya Basin Protection Levees.

The Levee System includes the following reaches of main river and floodway levees:

1. Levee along the south and west banks of Lower Old River and Mississippi River from Barbre Landing in Pointe Coupee Parish to Bayou Lafourche at Donaldsonville, Ascension Parish. Length: 110.4 miles including 1.2 miles of spur dikes and the 3,906 foot length of the Morganza Control Structure.
2. The Upper Morganza Floodway Levee From Lacour on the West Mississippi River Levee to the Atchafalaya River Levee above Red Cross, Pointe Coupee Parish. Length: 12.0 miles including 3.0 miles, which is a part to the main line levee at Morganza Control Structure.
3. The Lower Morganza Floodway Levee and the East Atchafalaya Basin Protection Levee extending from the West Mississippi River Levee at Morganza, Pointe Coupee Parish, along the east side of the Atchafalaya Basin to the St. Martin/ St. Mary parish line at Lake Palured. Length: 88.2 miles.
4. The West Atchafalaya Basin Protection Levee from Bayou Courtableau in St. Landry Parish along the west side of the Atchafalaya Basin to the St. Mary/Iberia parish line at Lake Fausse Pointe. Length: 49.6 miles.
5. The East Atchafalaya River Levee from Barbre Landing in Pointe Coupee Parish to a point about one and one-half miles above the head of Whiskey Bay Pilot Channel in St. Martin Parish. Length: 51.1 miles.
6. The West Atchafalaya River Levee from Bayou Courtableau in St. Landry Parish to a point below Butte LaRose settlement in St. Martin Parish, Length: 18.0 miles.

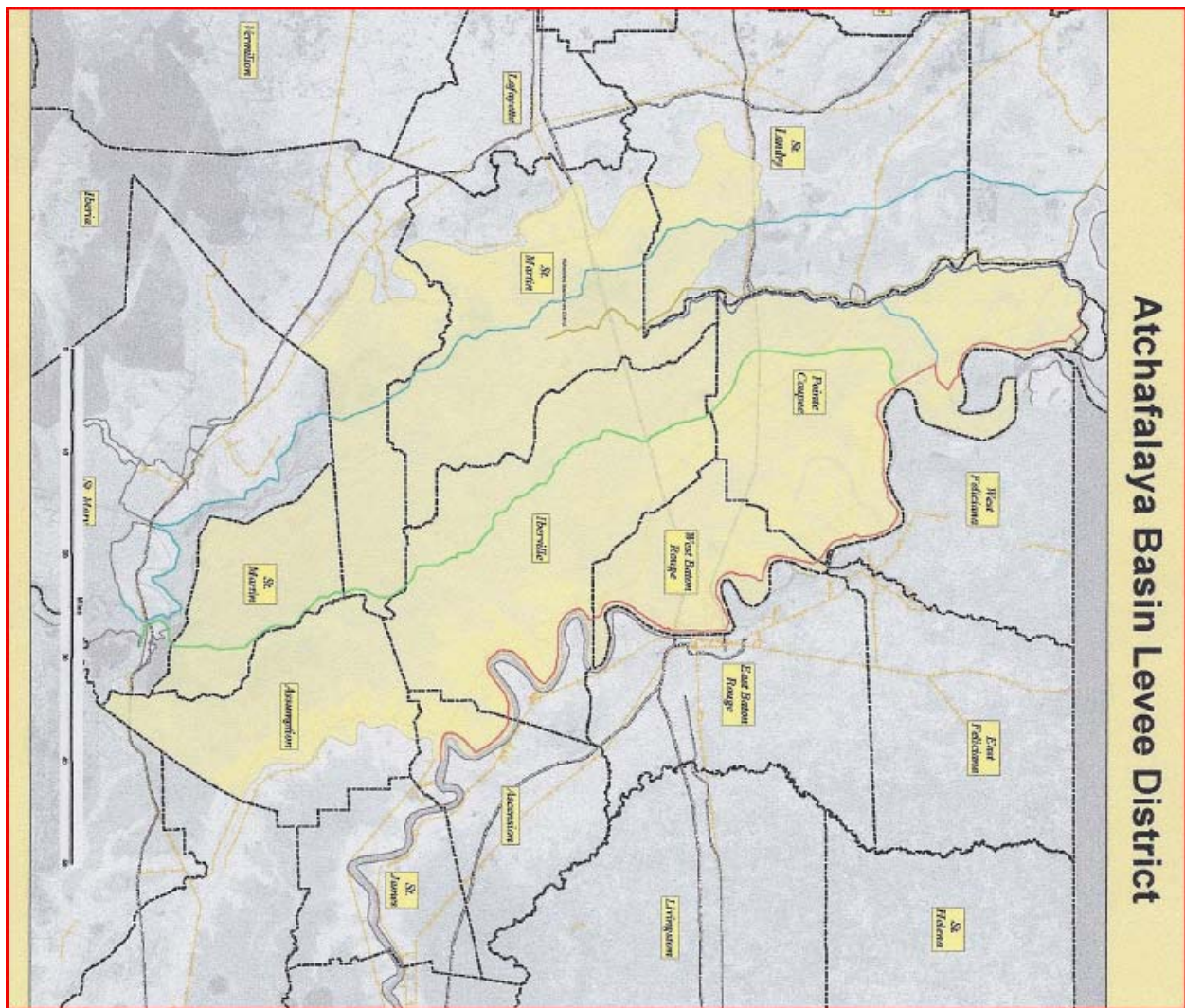
Principal flood control and navigation structures in the levee system are listed below:

Morganza Control Structure

Pointe Coupee Drainage Structure
Bayou Courtableau East and West Weirs
Bayou Courtableau Floodgate
Port Allen Lock
Plaquemine Lock (not in operation)
Bayou Sorrel Lock
Henderson Lake Control Structure

OFFICERS: President, Vice-President, Secretary

ADMINISTRATIVE: Executive Director, Assistant Executive Director, Admin. Program Manager, Human Resource Analyst, Accounting Tech, Administrative Coordinator, Attorney





BATON ROUGE METROPOLITAN COUNCIL-C/O DEPARTMENT OF PUBLIC WORKS

Chief Engineer - Engineering Division

PO Box 1471

Baton Rouge, LA 70821

Telephone: 225-389-3158

Fax: 225-389-3201

Website: www.brgov.com/dept/dpw

Our levees consist of a 2-mile stretch along the Mississippi River, east bank, approximately through the limits of downtown Baton Rouge. These levees were constructed by the Federal Government in the early 19th century primarily for interstate commerce. The City of Baton Rouge inspects the levee bi-annually in accordance with USACE procedure, and also follows Flood-Fight protocol during high water events.

Number of commissioners: metro council (12)

Executive Director and operations superintendents: No ED, DPW oversees O & M

Miles of levee: 2, Federal Levee (Ms Rv)

Number of pump stations: 2, Terrace Street and Capital Lakes

Total number of floodgates: 1, Capital Lakes Flood Gate

The East Baton Rouge Parish levee system begins at the Capital Lakes in Baton Rouge, just below Choctaw Drive, and extends approximately 2-miles to a point just below Oklahoma Street (0.4 miles south of the I-10 bridge). This is the approximate location of the old city limits of Baton Rouge and where the Pontchartrain Levee District takes over jurisdiction as Station 0+00. The length of jurisdiction is approximately 2-miles.

This segment of levee on the Mississippi River varies in height from 47 to 50-feet with a portion having railroad on it. With a "lighted river walk" on top in the downtown area, the levee is a part of Baton Rouge culture and provides a pedestrian and bicycle connection from downtown Baton Rouge to LSU. Future plans will extend these facilities on the levee to Brightside Lane.

Voting Member for the City of Baton Rouge, Parish of East Baton Rouge is the Director of Public Works, or his designee.

Director of Public Works - (225) 389-3158
Chief Engineer - (225) 389-3196

The City of Baton Rouge has established a periodic inspection program for the Mississippi River levee, as well as a systematic approach to deal with levee monitoring at various flood stages in the river. In the event corrective action is required, the City works with the Corps of Engineers to effectively work a problem and provide an effective solution. The City also works closely with the Pontchartrain Levee District to stay informed and assure effective monitoring within its jurisdictional levee limits in East Baton Rouge Parish.



BOSSIER LEVEE DISTRICT

3404 Industrial Drive

Bossier City, LA. 71112

Telephone: 318-746-7151

Fax: 318-746-7206

Website: www.bossierleveedistrict.com

The Bossier Levee District was created by R.S. 38:291(B); 304 in 1898 and is funded by Ad Valorem Taxes from the Bossier and Red River Parishes.

The Bossier Levee District is composed of 153,000 acres in Bossier Parish and 4,000 in Red River Parish. Flood protection is provided by 48.6 miles of levee along the West descending bank of Red Chute Bayou and 0.9 miles along the east descending bank.

The District grants permits and easement as appropriate and provides drainage protection for residents of Bossier and Red River Parishes. The District is responsible for maintenance of the levees, floodgates and flood control structures in the District. The channels under the Bossier Levee District jurisdiction provide drainage for farms, homes and business locations in the District.

The District is managed by a nine member board.

Number of Personnel: 14

1 – Operations Coordinator

1 - Administrative Prog. Specialist

2 – Levee Foreman

1 - Master Mechanic

2 – Herbicide Specialist

4 – Mobile Equip Oper 1 Heavy

1 – Mobile Equip. Oper 2

1 – Mobile Equip Oper 1

1 - Secretary/Attorney

Miles of Levee: 70 this includes both the Red River and Guideline Levee System

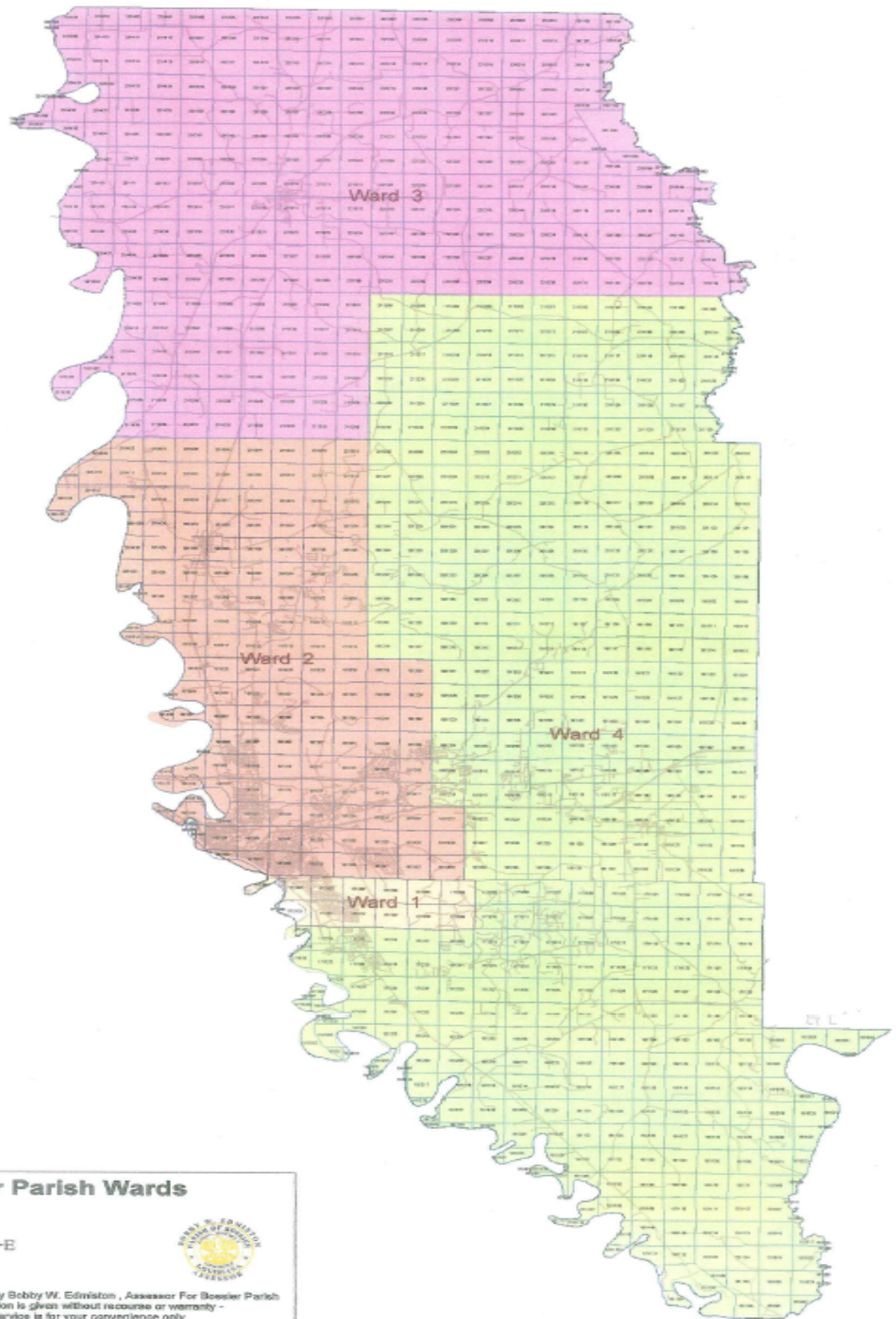
Number Of Drainage Structures: 45

225 Miles Of Drainage Channels

The district protects one hospital, several nursing homes, Barksdale Air Force Base, 29 public schools, various daycare centers, police and fire stations within the parish to provide flood protection.

First Responders include the Bossier Fire Department, Office of Homeland Security, Bossier Parish Sheriff Office and Bossier City Police Department and when needed the local reserve units.

The board works jointly with both the city and parish officials on drainage and financial matters and provides drainage protection for residents of Bossier and Red River Parishes. The Bossier Levee District members participate with the U.S. Army Corps of Engineers in maintaining levees and drainage structures and also participate in the Lower Mississippi Valley Flood Control Association and the commissioners are members of the Red River Valley Association which works to secure funding for ongoing projects on the Red River.



Bossier Parish Wards



Information Provided By Bobby W. Edmiston, Assessor For Bossier Parish
This information is given without recourse or warranty -
This service is for your convenience only

CADDO LEVEE DISTRICT

1320 Grimmert Drive

Shreveport, LA 71107

Telephone: 318-221-2654

Fax: 318-221-2634

Website: www.caddoleveedistrict.com



The Caddo Levee District was created in 1892 by Act 74 of the General Assembly of the State of Louisiana.

Sources of revenue for Caddo Levee District include oil and gas leases and royalties, timber, interest in Certificates of Deposit and surface leases. This funding is self generated utilizing Caddo Levee District's land resources and interest income within Caddo Parish. The tax millage for residents within the levee district is the only funding received by this agency from outside sources. Only 24% of the revenue for the actual 2008-2009 expenditures was from taxation.

The Board of Commissioners of the Caddo Levee District is charged with the responsibility of maintaining the integrity of 119.35 miles of levees within Caddo Parish. There are 80.37 miles of the levee system along the right descending bank of Red River and 38.98 miles are located along Black Bayou, Twelve Mile Bayou and Cross Bayou. There are 29 miles of levees on Twelve Mile Bayou and Black Bayou that are not in the federal system, therefore, are the sole responsibility of the Caddo Levee District.

The Board is also charged with maintaining a levee drainage system of 250 miles and bank protection works, including pile dikes, revetments, floodgates and one pumping station.

These integrated systems protect approximately 200,000 acres of land and over 50,000 residents from flood waters.

The Commissioners are also responsible for the management of over 10,000 acres of Caddo Levee Board properties. These lands are generally leased out for three purposes:

- 1) Oil, gas and mineral leases - requests are made by party to put the land up for bids; upon the approval by the Board, the State Mineral Office handles the public bid process and negotiates the royalty interest for the Caddo Levee Board.
- 2) Agricultural or grazing leases - the Board publicly advertises for bids based upon a request by an individual or availability of land.
- 3) Surface leases - land is leased usually in one acre plots for \$600.00 per year for a three-year period for the purpose of campsites or homesites.

Caddo Levee District has a full-time forester to manage 10,000 acres of timber.

Location and/or list of critical facilities and first responder agencies in the area of protection:

U. S. Army Corps of Engineers
276 Miller Rd.
Bossier City, LA 71112

Operations & Maintenance Division:
318-549-3000 Ext. 101 or Ext. 25102
318-364-9896

La. Department of Transportation & Development
3339 Industrial Drive
Bossier City, LA 71112
Design Department 318-549-8304

Caddo Sheriff's Department
505 Travis St.
Shreveport, LA 71101
911 or 318-675-2170

Caddo Parish Hwy. Dept.
1701 Monty St.
Shreveport, LA 71107
318-226-6930

Barksdale Command Post
318-456-2151

Office of Homeland Security and Emergency Preparedness
318-425-5351

Shreveport Department of Operational Services
318-673-7660

Caddo Correctional Center (Inmate Labor)
318-677-5254

Hospitals
Willis Knighton Hospital 318-212-4001
Christus Schumpert 318-681-4500
LSU Health Sciences Center 318-675-5000

Number of commissioners: 7

Executive Director and operations superintendents:

Administrator-Secretary
Levee Maintenance Superintendent
Levee Foreman

Number of personnel:

5 - Mobile Equipment Operator 1 – Heavy
3 - Mobile Equipment Operator 2
6 - Mobile Equipment Operator 1
1 - Forestry Program Specialist

Miles of levee: 119.35 miles in the federal system

Miles of floodwall: None

Number of pump stations: 1 Pumping Station

Number of drainage structures: 1

Total number of floodgates: 25

Number of Channel floodgates: 25

The levee system consists of the following levees:

1) The Red River main line levee, which consists of 80.37 miles of levee. Of this, 51.52 miles extend north from the intersection of Cross Bayou and Red River just north of Shreveport to the hills at the Arkansas-Louisiana State Line. The remaining 28.85 miles extend downstream from the high ground in the southern section of Shreveport, to the Caddo-Red River Parish Line.

2) The Twelve Mile Bayou Levee, which is 23.92 miles long, extends along the left descending bank of Twelve Mile and Black Bayous from the Red River Levee at Twelve Mile Bayou Bend

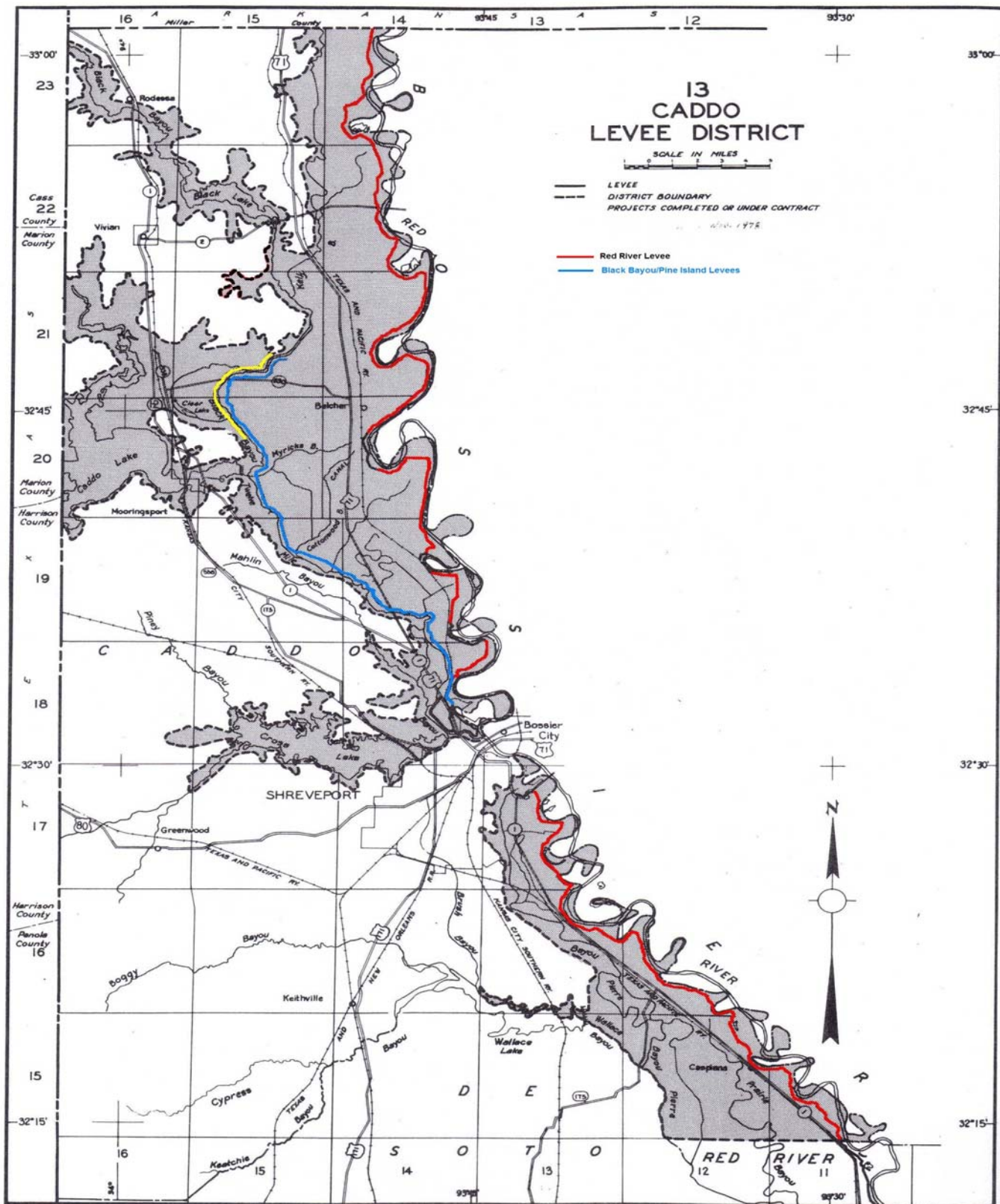
north of Shreveport to high land 9 miles above the mouth of Black Bayou, at the Gamm Road southwest of Gilliam, Louisiana.

3) The Black Bayou-Pine Island Levee, which is 7.01 miles in length on the right descending bank of Black Bayou, begins at the high land approximately one mile northeast of Caddo Lake Dam and extends to the high land approximately 9 miles above the mouth of Black Bayou. The Twelve Mile Bayou levee system starts at the Gamm Road and proceeds downstream along the left descending bank of Twelve Mile Bayou to a point just south of I-220, Twelve Mile Bayou and Red River.

4) The West Agurs Levee extends upstream along Cross Bayou and Twelve Mile Bayou from the Red River Levee at Market Street and Cross Bayou in Shreveport to the Red River Levee 0.8 of a mile above the Highway 1 bridge across Twelve Mile Bayou, for a total of 5.02 miles. The Agurs levee system extends 1.5 miles.

5) The Cherokee Park Levee begins at station 263 + 38 on the Red River main line levee and runs easterly for 1.53 miles to the high ground at the north end of the Shreveport Municipal Airport.





FIFTH LOUISIANA LEVEE DISTRICT

102 Burnside Drive

Tallulah, LA 71282

Telephone: 318-574-2206

Fax: 318-574-2205



East Carroll, Madison, Tensas and Concordia Parishes comprise the Fifth Louisiana Levee District, created by Act 44 of 1886. The principal source of income is an ad valorem tax. Additional funds come from surface and mineral leases, and sale of timber.

Critical facilities and first responder agencies in the area of protection:

East Carroll Parish: East Carroll Parish Hospital

Madison Parish: Madison Parish Hospital

Concordia Parish: Riverland Medical Center

Number of commissioners: 8 – (2 from each parish)

Number of personnel: 16

1 - Levee Board Operations Superintendent

1 - Administrative Assistant

1 - Levee Maintenance Superintendent

2 - Levee Foremen

2 - Mobile Equipment Operator-Heavy

1 - Mobile Equipment Maintenance Mechanic

6 - Mobile Equipment Operators

2 - Seasonal Workers

The total length of the levee system in the District is 355 miles, which includes 213.8 miles of Main Line Mississippi River Levees and 93.1 miles of Red River Backwater Levee, with an additional 26.9 miles of front line levee, 14.9 miles of back line levee and approximately 6.3 miles of spur levees.

Under terms of a 1929 agreement between the Fifth Louisiana Levee Board and United States of America, with Supplemental Assurance issued by the Levee District in 1973, costs for construction of levees within the Levee District are borne by the Federal Government, with the Levee District, i.e., State of Louisiana, bearing responsibility for providing all rights-of-way.

The Fifth Louisiana Levee District also has maintenance responsibility of the Tensas River.

Miles of floodwall: Bayou Cocodrie Floodwall, I-20 Bridge Floodwall

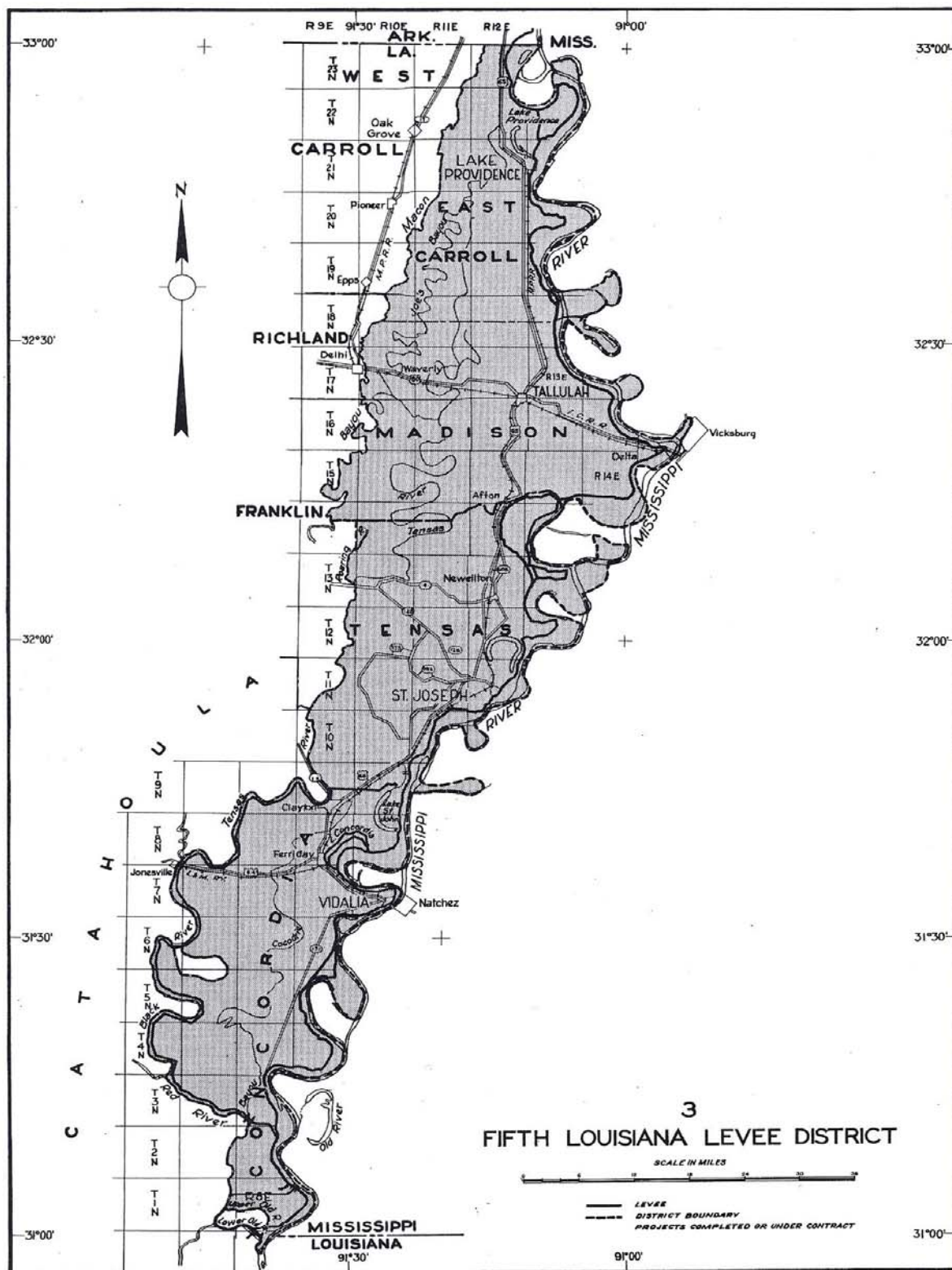
Number of pump stations: 2 - Tensas-Cocodrie Pumping Plant and Wilson Point Pumping Plant

Number of drainage structures: 21

Total number of floodgates: 5

Number of 'other' floodgates: 5

The height and width of the Mississippi River Levee and Berm system within the Fifth Louisiana Levee District, together with the Backwater Levee in Concordia Parish, make it the largest Levee District in the State in total number of surface acres to maintain.



GRAND ISLE INDEPENDENT LEVEE DISTRICT

170 Ludwig Lane

Grand Isle, LA 70358

Telephone: 985-787-3196

Fax: 985-787-3859

Created in October 1992 by the Louisiana Legislature, Revised Statute 38:291(s)
Revenue is from Ad Valorem Tax



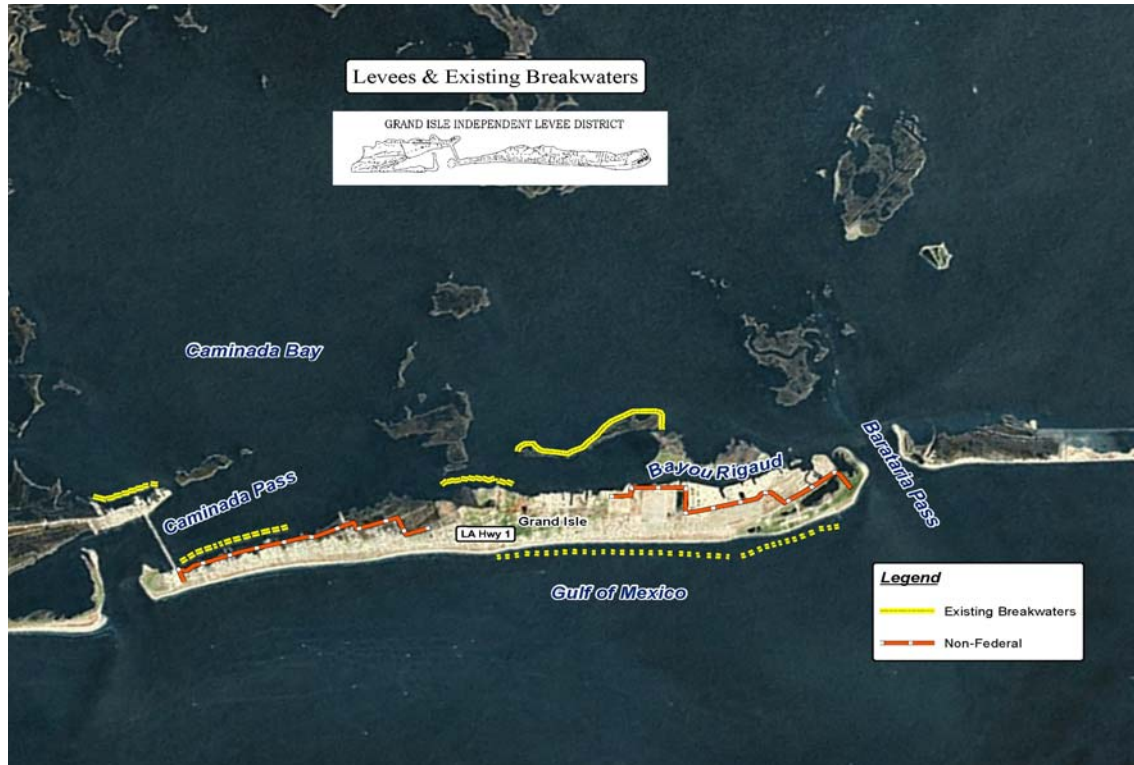
The District is composed of all the land in the parish of Jefferson lying south of Latitude 29,17, 52 N on the west side of the Mississippi River.



Number of commissioners: Three (3)

Number of personnel: Executive Director and Secretary

Miles of levee: Approximately 6 miles of non-Federal levee



The shoreline protection is rubble mound breakwaters consisting of graded riprap that protect the Island from wind and wave erosion.

The levees are non-federal earthen levees built to protect the residents of Grand Isle from frequent high tides and storm surges.

IBERIA PARISH LEVEE, HURRICANE, AND CONSERVATION DISTRICT

300 Iberia Street
Suite 410
New Iberia, LA 70560

Date of Origin: August 23, 2006
Source of Revenue: none/pending
Scope of Work: levee construction and flood protection
Site Governing Legislation: Act No. 1021, Regular Session 2010

Location and/or list of critical facilities and first responder agencies in the area of protection:
Iberia Medical Center and Dauterive Hospital.

Number of Commissioners: 9

Executive Director and operations superintendents: None

Number of Personnel: None

Miles of levee: None

Miles of floodwall: None

Number of pump stations: None

Number of drainage structures: None

Total number of floodgates: None

Brief verbal description of each levee system: None

LAFITTE AREA INDEPENDENT LEVEE DISTRICT

2654 Jean Lafitte Blvd.

Lafitte, LA 70067

Telephone: 504-689-2208

Date of Origin: February 2008

Source of Revenue: Millage

Critical facilities and first responder agencies in the area of protection:

Leo E. Kerner, Jr. Elementary School

4924 City Park Dr

Lafitte, LA 70067

Fisher Middle-High School

2529 Jean Lafitte Blvd.

Lafitte, LA 70067

Jean Lafitte Police Department

2607 Jean Lafitte Blvd.

Lafitte, LA 70067

Lafitte, Barataria and Crown Point Vol. Fire Departments:

Station 40

2385 Jean Lafitte Blvd.

Lafitte, LA 70067

Station 41

4176 Privateer Blvd.

Barataria, LA 70036

Station 42

Barataria Blvd

Marrero, LA 70072

Station 43

5510 Jean Lafitte Blvd.

Lafitte, LA 70067

Number of commissioners: 5

Executive Director and operations superintendents: President, 2 – Vice Presidents, Secretary, and Treasurer

Number of personnel: 1 Administrative Assistant, 2 Equipment Operators

Number of pump stations: 17

LAFOURCHE BASIN LEVEE DISTRICT

21380 Highway 20

Vacherie, LA 70090

Telephone: 225-265-7545

Fax: 225-265-7648



The Lafourche Basin Levee District was created in 1892 by the Oil & Gas Ad Valorem. LA R.S. 38.291 is the governing legislation.

Critical facilities and first responder agencies in the area of protection:

St Charles Parish Hospital

Westside St. John Fire Department

South Vacherie Fire Department

Baytree Fire Department

Hanhville Fire Department

Donaldsonville Fire Department

Number of commissioners: 10

Number of personnel: 32

Executive Director

Operations Superintendent

4 Administrative

1 Director

1 Levee Maintenance Superintendant

2 Levee Foremen B

1 Mobile Equipment Shop Foreman

2 Mobile Equipment Master Mechanics

1 Master Welder

9 Mobile Equipment Operators 2

6 Mobile Equipment Operators 1 Hwy

3 Mobile Equipment Operators 2 Hwy

Miles of levee: 63 miles

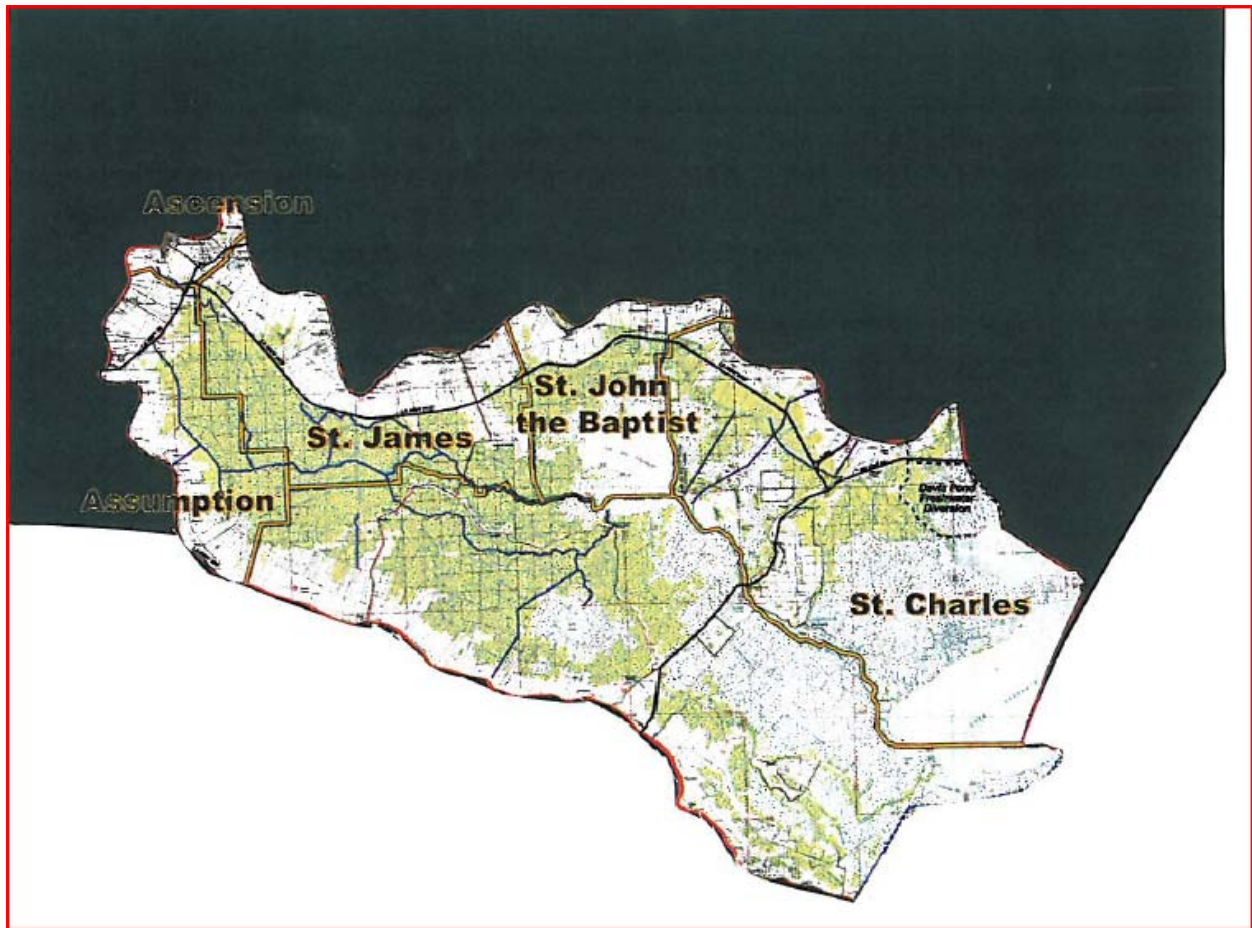
Number of drainage structures: 1 – Davis Pond Fresh Water (DNR)



Figure 1 ~ Davis Pond



Figure 2 ~ Davis Pond



NATCHITOCHES LEVEE & DRAINAGE DISTRICT

Post Office Box 1036

Natchitoches, Louisiana 71458-1036

Date of Origin:

Created by State Statute

Source of Revenue:

Millage

Scope of Work:

Maintenance of State and Federal Levees

Number of Commissioners: Eight (8)

Number of Personnel: Four (4)

Miles of Levee: 82.02

Natchitoches Parish - West Descending Bank

Station 0+00 to Station 1925+37.98

36.46 miles - federal levee

Campiti-Clarence/Natchitoches Parish - East Descending Bank

Station 0+00 to Station 1686+2801

31.93 miles - federal levee

Natchitoches Levee and Drainage District

Red River Levee System

Lake End to Bayou Pierre Levee

9.75 miles - state levee

Natchitoches Levee and Drainage District

Cane River Levee System

Chopin to Cloutierville Levee

3.88 miles - state levee

Number of Drainage Structures: 33 Drainage Structures with Flap Gates and/or Sleuths

Number of Railroad Floodgates: 1 - Railroad Closure with Concrete Stop Logs

Number of "other" Floodgates: 4 Earthen Closures of State Highways

Red River Levee System

Lake End to Bayou Pierre Levee System

The levee system in this portion of the district consists of levees constructed by the former Louisiana Department of Public Works in cooperation with the Levee District. This levee system is an extension from the Red River, Bayou Pierre Main Red River Levee System. The total length of the levee is approximately 9.75 miles.

Cane River Levee System Chopin to Cloutierville Levee

The levee system in this portion of the district consists of levees constructed of what used to be the Louisiana Department of Public Works in cooperation with the Cane River Levee and Drainage District (since incorporated within the Natchitoches Levee and Drainage District). This levee system is an extension of the Cane River Levee System with a total length of a levee of 3.88 miles.

Campti-Clarence Levee System

The Campti-Clarence Levee runs along the east bank of Red River from just south of the Town of Campti to the mouth of Bayou Saline at the southern Natchitoches parish line. It then follows the western bank of Bayou Saline northward to Louisiana Highway 1226 at the Chivalry Dam and ends shortly thereafter along the southern shore of Prairie Lake. It runs 31.93 miles, split almost equally between Red River Levee and Bayou Saline Levee.

Natchitoches Parish - West Descending Bank

The levee in this system runs along the west bank of Red River from just north of the City of Natchitoches to the mouth of lower Cane River at the southern Natchitoches Parish line. Additionally approximately eight structures that allow drainage through the levee are maintained by the District and inspected as well. The levee runs approximately 36.46 miles.

Hospitals and Nursing Homes:

Natchitoches Regional Medical Center
501 Keyser Avenue
Natchitoches, Louisiana 71457

Courtyard of Natchitoches
708 Keyser Avenue
Natchitoches, Louisiana 71457

Natchitoches Nursing Rehabilitation Center
750 Keyser Avenue
Natchitoches, Louisiana 71457

Natchitoches Community Care Center
720 Keyser Avenue
Natchitoches, Louisiana 71457

Natchitoches Assisted Living
1907 South Drive
Natchitoches, Louisiana 71457

NINETEENTH LOUISIANA LEVEE DISTRICT

1290 Main Street
Colfax, LA 71417
Telephone: none

Date of origin: 1930
Source of Revenue: Ad Valorem Taxes

Location of critical facilities & first responder agencies in area of protection:

Colfax Elementary School 250 Third St, Colfax
Colfax Reunion Nursing Home 366 Webb Smith Dr, Colfax
Grant Parish Courthouse 200 Main St, Colfax
Grant Parish Sheriff's Office 205 Cypress St, Colfax
Grant Parish Health Unit 340 Webb Smith Dr, Colfax
Fire District #1 304 8th St, Colfax
Colfax Town Hall 1290 Main St, Colfax
U S Post Office 707 8th St Blvd, Colfax
Colfax Banking Company 625 8th St Blvd, Colfax
Sabine State Bank 300 2nd St, Colfax

Number of Commissioners: 3

Number of Personnel:

Executive Director/Operations Superintendent
1 part-time clerk
1 seasonal levee maintenance person

Miles of levee: 26 - Federal

Number of Drainage Structures: 1

Number of floodgates: 3

Number of Channel Floodgates: 3

NORTH LAFOURCHE CONSERVATION, LEVEE & DRAINAGE DISTRICT

Physical: 627 Jackson St., Suite A
Thibodaux, LA 70301

Telephone: 985-537-2244

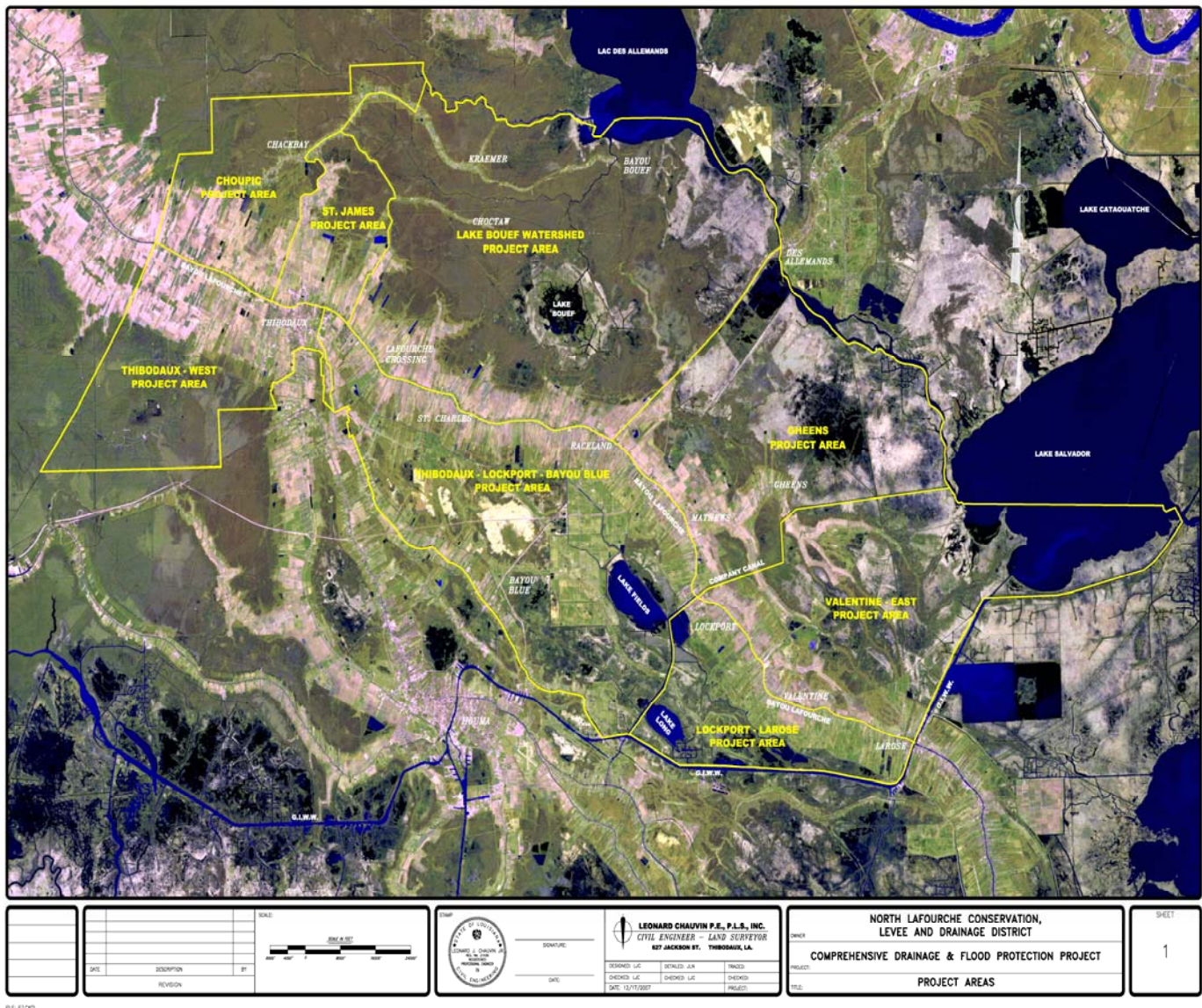
Fax: 985-537-4311

Website: www.nlcldd.com

Mailing: PO Box 230
Raceland, LA 70394

The North Lafourche Conservation, Levee and Drainage District, or simply the North Lafourche Levee District was formed by an Act of the Louisiana Legislation in 1992. For most of its existence, this State Board has been responsible for improving flood protection on the west side of Bayou Lafourche from the Intracoastal Waterway in Larose to the Northern edge of the Parish. In 2006, through a statewide re-organization of Levee Boards, the North Lafourche Levee District was given additional jurisdiction over the east side of Bayou Lafourche, again from the Intracoastal Waterway in Larose to the Northern end of Lafourche Parish. The North Lafourche Levee District is now all of Lafourche Parish north of the Intracoastal Canal. The NLLD is funded through ad valorem taxes.





Number of commissioners: Nine (9)

Number of personnel:

Executive Director

2 employees

The North Lafourche Levee District includes nearly 200 miles of small to medium sized, non-Federal levee systems segmented and distributed throughout the District's territory.

Number of pump stations: approximately 40 of various sizes

PLAQUEMINES PARISH GOVERNMENT

8056 Hwy 23, Suite 200

Belle Chasse, LA 70037

Telephone: 504-274-2460

Fax: 504-274-2463

Website: www.plaqueminesparish.com

Critical facilities and first responder agencies in the area of protection:

Plaquemines Medical Center, 26851 Hwy 23, Port Sulphur, LA, 504-564-3344

Belle Chasse Auditorium, 8398 Hwy 23, Belle Chasse, LA

Belle Chasse High School, 8346 Hwy 23, Belle Chasse, LA, 504-595-6600

Plaquemines Parish Emergency Operations Center, 8056 Hwy 23, Suite 308, Belle Chasse, LA, 504-297-2477 or 911

Fire District 1, 504-430-5000

Pointe-a-la-Hache, Volunteer Fire Department (VFD),

239 Adema Lane, Pointe-a-la-Hache, LA

Phoenix Substation, 13075 Hwy 15, Phoenix, LA

Fire District 2, 504-415-8090

Belle Chasse (VFD), 104 New Orleans Street, Belle Chasse, LA

Substation #2, 216 Engineers Road, Belle Chasse, LA

Substation #3, 13504 Hwy 23, Jesuit Bend, LA

Fire District 3, 504-758-0018

Port Sulphur (VFD), 114 Civic Drive, Port Sulphur, LA

Substation – O'Brien, 31733 Hwy 23, Port Sulphur, LA

Fire District 4, 504-270-8897

Buras (VFD), 35410 Hwy 11, Buras, LA

Fire District 5, 504-912-8580

Boothville-Venice (VFD), 42661 Hwy 23, Venice, LA

Fire District 6, 504-912-3837

Lake Hermitage (VFD), 2766 Hermitage Road, Port Sulphur, LA

Fire District 7, 504-554-1377

Woodlawn (VFD), 7139 Hwy 39, Braithwaite, LA

Substation – Braithwaite, 172 Edna LaFrance Road, Braithwaite, LA

Number of Council Members:

9

Executive Director and operations superintendents:

Director of Administration

Director of Operations

Director of Public Service

Director of Coastal Zone Management

Director of Emergency Preparedness

Land Superintendent

Pump Station/Drainage Superintendent

Pumping Station Locations and Year Built

Station	Coordinates	Address	Year Built
Belle Chasse 1	29° 51.1' N, 90° 01' W	206 Pump Station Rd. Belle Chasse La, 70037	1954/1963
Belle Chasse 2	29°53.03' N, 89°59.59'W	245 Chancellor Dr. Belle Chasse La, 70037	1997
Ollie (Lower,Upper,Upper Addition & Middle)	29°44.20'N, 90° 01.21'W	305 Ollie Dr. Belle Chasse La, 70037	1948/1950/1964/1983
Scarsdale	29° 49.9' N, 89° 57.6' W	822 Scarsdale Rd. Braithwaite La, 70040	1965
Braithwaite	29° 50.9' N, 89° 54.5' W	1155 Hwy 39 Braithwaite La, 70040	1974
Belair	29° 44.5' N, 89° , 59.2' W	407 Belair Pump Rd. Braithwaite La, 70040	1950
Bellevue	29° 37.4' N, 89° 52.6' W	14469 Hwy 39 Davant La, 70046	1972
Pointe a la Hache	29° 34.9' N, 89° 47.5' W	17561 Hwy. 39 Pointe a la Hache La, 70082	1972
West Pointe a la Hache	29° 34.2' N, 89° 48.1' W	22941 Hwy 23 Port Sulphur La, 70083	1981
Diamond	29° 31.6' N, 89° 45.7' W	24908 Hwy 23 Port Sulphur La, 70083	1978
City Price (Hayes)	29° 30' W, 89° 43.2' W	120 West St. Port Sulphur La, 70083	1963
Gainard Woods #1 & #2	29° 26.9' N, 89° 38.9' W	182 West Paula Dr. Port Sulphur La, 70083	1960/1986
Sunrise #1 & #2	29° 19.5' N, 89° 33.7' W	34358 Hwy. 23 Buras La, 70041	1960/1979
Bayou Grand de Liard	29° 19.5' N, 89° 28.8' W	417 Triumph Pump Rd. Buras La, 70041	1975
Duvic Canal	29° 18.8' N, 89° 23.2' W	171 Duvic Pump Rd. Venice La, 70091	1975

Sluice Gate Locations

Structure	Connection	Pipe Size	Coordinates
Amoretta/Happy Jack	Diamond Drainage Canal to Hayes Drainage Canal	Two 54"	29°31'22.81N 89°44'27.25W
Boothville	Fort Jackson borrow pits and Buras-Triumph Drainage Canal to Boothville-Venice Drainage Canal	Two 72"	29°21'04.18N 89°26'30.06W
Braithwaite	Braithwaite Drainage Canal to Scarsdale Drainage Canal	Two 60"	29°50'57.76N 89°55'12.47W
Empire Basin	Empire Basin to Sunrise Drainage Canal	Two 36"	29°22'18.92N 89°35'07.33W

Other Important Culvert Piping:

9 - 54" culverts in Gainard Woods Drainage Canal at Shell Pipeline located @
29°25'04.62 N 89°37'00.10W

2 - 72" culverts in Buras-Triumph Canal connecting to Fort Jackson borrow pits
29°20'31.72N 89°27'28.93W

Note: Empire Basin structure is a tide-related structure, draining seawater from harbor area to drainage canal. All other structures are rainwater drainage only under normal conditions.

PONTCHARTRAIN LEVEE DISTRICT

2204 Albert Street

Post Office Box 426

Lutcher, LA 70071

Telephone: 225-869-9721

Fax: 225-869-9723

Website: www.leveedistrict.org

The Pontchartrain Levee District was created by the legislature in 1895. At that time, it also included the Baton Rouge Front Levee, and until 1979 it encompassed what is now the East Jefferson Levee District.

In the Pontchartrain Levee District today are 115 miles of Eastbank Mississippi River levee and 10 miles of Hurricane Protection Levee located in St. Charles Parish. The district extends from Baton Rouge (three-tenths of a mile downstream from the I-10 Bridge) to Kenner at the Jefferson Parish line, and from the Mississippi River to the Amite River, then downstream along the Amite and Blind Rivers to Lake Maurepas, along the south shore of the lake to Pass Manchac, and east to Lake Pontchartrain, and along the shore of that lake to the Jefferson Parish line, to the Mississippi River.

Portions of six parishes are included: East Baton Rouge, Iberville, Ascension, St. James, St. John the Baptist and St. Charles. The levee district headquarters is located at 2204 Albert Street, in the community of Lutcher, and the Maintenance Shop is located at 9620 Highway 44, in the community of Union, 2 miles downstream from the Sunshine Bridge over the Mississippi River.

The Pontchartrain Levee District's current budget for Fiscal Year 2010-2011 is \$8.2 Million, coming principally from a 3.52 mil ad valorem tax from the six (6) east bank parish areas and limited amounts of interest and royalties.

The overall mission of the Pontchartrain Levee District is simple: To maintain the existing levee systems in a condition that will ensure its integrity and capability to safely withstand the river stages and hurricane tidal surges anticipated by their design and condition; to improve by construction or support the construction by others, of new or enhanced levels of protection as design parameters change or higher levels of protection are authorized; and to anticipate weaknesses in the system before and as they develop and actively respond with necessary emergency measures when the levees are being subjected to river stages or hurricanes tidal surges that would cause flooding within the jurisdiction of the Pontchartrain Levee District.



Critical facilities and first responder agencies in the area of protection:

Emergency Operation Center from each six parishes:

- East Baton Rouge
- Iberville
- Ascension
- St. James
- St. John the Baptist
- St. Charles

Number of Commissioners:

The Board of Commissioners of the Pontchartrain Levee District is comprised of nine (9) board members: One (1) board member for each of the six parishes, thus six (6) commissioners representing said respective parish; two (2) additional board members representing the Canadian National Railroad (formerly the Illinois Central Railroad) and the Louisville, N.O. & Texas Railroad; and one (1) At-Large member, all as created by La. R.S. 38:291 (L); 304.

Personnel:

- Executive Director
- Levee Board Operations Superintendent/Emergency Coordinator
- Levee Maintenance Superintendent
 - Levee Foreman C - 1
 - Levee Foreman B - 2
 - Levee Foreman A - 4
- Mobile Equipment Shop Superintendent
 - Mobile Equipment Shop Foreman – 1
- Police Captain
 - Police Lieutenant

- Mobile Equipment/Shop Personnel – 48
 - One (1) Maintenance Consultant
- Police Department – 8
- Administrative – 5
 - One (1) External Accountant
- Executive - 12

Miles of Levee: 115 miles of East Bank Mississippi River levee (federal)
 10 miles of Hurricane Protection Levee in St. Charles Parish (federal)

Floodwalls listed are all along the Hurricane Protection Levee in St. Charles Parish

- Bayou Trepagnier Floodwall
- Shell Pipeline Floodwall
- Good Hope Floodwall
- Cross Bayou Floodwall
- Gulf South Pipeline Floodwall
- St. Rose Floodwall
- I-310 Floodwall
- Almedia Floodwall
- Walker Floodwall

Number of pump stations:

- Bayou Trepagnier Pump Station in St. Charles Parish along the Hurricane Protection Levee
- Cross Bayou Pump Station – Under Construction - St. Charles Parish along the Hurricane Protection Levee - \$18M



Drainage Structures listed are all along the Hurricane Protection Levee in St. Charles Parish

- Bayou Trepagnier Drainage Structure
- Cross Bayou Drainage Structure
- St. Rose Drainage Structure
- Almedia Drainage Structure
- Walker Drainage Structure

Total number of floodgates:

Number of Railroad floodgates:

- Canadian National Illinois Central Railroad Swing Gate

Number of Road floodgates:

- Access road at Good Hope Oil Field Facility – swing gate

Number of ‘other’ floodgates:

- I-310 Ramp Swing Gate

115 miles of Eastbank Mississippi River levee which extends from Baton Rouge (three-tenths of a mile downstream from the I-10 Bridge) to Kenner at the Jefferson Parish Line. Portions of six (6) parishes on the Eastbank of the Mississippi River are included in the Pontchartrain Levee District, namely, East Baton Rouge, Iberville, Ascension, St. James, St. John the Baptist and St. Charles.

The U.S. Army Corps of Engineers is responsible for levee construction and related works under the federal Mississippi River & Tributaries Flood Control Project (MR&T). The Pontchartrain Levee District, as a local assuring agency, works with the Corps furnishing rights-of-way and maintaining levees, canals and caving banks. The Corps, New Orleans District, continues to work toward completion of the MR&T Project by letting contracts for slope pavement and levee enlargements. These projects are financed through federal appropriations and are completed as part of a total upgrading of the levee system. Bank caving is being solved by a sophisticated “revetment program”. Completion of the MR&T Project, begun in 1928, depends solely on availability of federal funds appropriated in the yearly federal budget.

In addition, in St. Charles Parish, as part of the Lake Pontchartrain & Vicinity Hurricane Protection Project, the 10 mile St. Charles Parish Hurricane Protection Levee is being constructed north of the Airline Highway (Hwy. 61) between the Bonnet Carre Spillway at Norco, LA and the Jefferson Parish line at the New Orleans International Airport Moisant Field.

The District is also sharing with the Corps a 50/50 Feasibility Cost Study (at a cost of \$2.7M to the District) for a flood control and hurricane protection levee in St. John the Baptist Parish and that portion of St. Charles Parish west of the Bonnet Carre Spillway.

Future projects include:

- A) Amite River & Tributaries, Bayou Manchac, WRDA Section 211 Agreement with U.S. Army Corps of Engineers at approximately \$5.7M.
- B) Amite River & Tributaries, Ecosystem Restoration- 50/50 Feasibility Cost Share Agreement with U.S. Army Corps of Engineers at approximately \$2.1M each.
- C) Mississippi River Multi-Use Trail Study, \$750,000.
- D) St. Charles Parish Urban Flood Control Feasibility Study at a cost of \$5.4M 50/50 Cost Share Agreement with U.S. Army Corps of Engineers at \$2.7M each
- E) West Shore – Lake Pontchartrain, LA Hurricane Protection Levee - Local Share: 35% of \$450M

RED RIVER, ATCHAFALAYA, & BAYOU BOEUF LEVEE

10 Calvert Drive, Alexandria, LA 71303

P.O. Box 8235, Alexandria, LA 71306

Phone: 318-443-9646

Fax: 318-443-9650

Website: www.rrabb.net



Date of Origin: 1900
Source of Revenue: Ad valorem taxes
Scope of Work: Levee maintenance
Site Governing Legislation: R.S. 38:291(M)

Critical Facilities and First Responder Agencies in the area of protection:

Rapides Parish:

Christus St. Frances Cabrini Hospital 318-487-1122

Rapides Regional Medical Center 318-769-3000

Avoyelles Parish:

Avoyelles Hospital 318-253-8611

St. Landry Parish:

Opelousas General Hospital 337-948-2100

Sheriff's Offices

Rapides Parish Sheriff 318-473-6704

Avoyelles Parish Sheriff 318-253-4000

St. Landry Parish Sheriff 337-948-6516

Number of Commissioners:

The District has three commissioners to serve the board one from each parish, Avoyelles, Rapides and St. Landry Parishes.

Personnel:

There are 33 employees with maintenance crews in each Parish and the Office in Rapides Parish.

1 - Levee Board Operations Superintendent

1- Levee Maintenance Superintendent

1 - Office Administrator

1 – Office Assistant

4 – Levee Foremen

1 – Shop/Mechanic Foreman

3 – Mobile Equipment Operator 2 Heavy

7 – Mobile Equipment Operator 1 Heavy

9 – Mobile Equipment Operator 2

3 – Mobile Equipment Mechanic

2 – Levee Police

Red River Levee

76.4 miles of levee beginning at high ground at Hot Wells, continuing along the right descending bank of Bayou Jean de Jean to Red River, and on the right bank of Red River to Moncla. (The levee downstream from the Lake Long crevasse to the end of the system is not maintained at this time.)

17.2 miles Red River Levee Moncla to Lake Long

15 miles of levee on the left descending bank of Red River beginning at Cassandra Hills to Saline Point.

Bayou Philips Levee

2 miles of levee starting from the Red River, back to the Kansas City Railroad tracks, back to Bayou Rapides Pumping Station on the Red River.

Bayou Rapides Levee

3 miles of levee starting from Bayou Rapides Pumping Station on the Red River to the Diversion Canal Flood Gates on Rapides Avenue.

Pineville Levee

1 mile of levee, beginning at the Pineville waste treatment plant and ending at the Huffman Creek Flood Gates.

Rigolette Levee

15.24 miles of levee beginning at the Grant-Rapides Parish line and extending on the left descending bank of Red River to the hills south of Bayou Rigolette.

Big Bend-Bayou Des Glaises Loop Levee

15.4 miles of levee beginning at the Mansura Hills to Hamburg Levee at Bordelonville, parallel to Bayou des Glaises on the right descending bank, and rejoining the Mansura Hills, to Hamburg Levee about 3 miles northeast of Hamburg.

Mansura Hills to Hamburg Levee

20.3 miles of levee beginning east of Mansura, extending downstream on the left descending bank of Bayou des Glaises to Bordelonville, crossing the Bayou and extending the Bayou des Glaises Loop, then following the right bank of the Bayou to Hamburg to join the Bayou des Glaises Fuse Plug Levee and the West Atchafalaya Basin Protection Levee.

Bayou Des Glaises Fuse Plug Levee

8.1 miles of Fuse Plug Levee at the head of the West Atchafalaya Basin Floodway, extending on the right descending bank of the Bayou from Hamburg to Simmesport, where it joins the West Atchafalaya River Levee.

West Atchafalaya River Levee

43 miles of levee on the right bank of the Atchafalaya River.

West Atchafalaya Basin Protection Levee

35 miles of levee from the junction of the Mansura Hills to the Hamburg Levee and the Bayou des Glaises Fuse Plug Levee at Hamburg to the point where the levee crosses Bayou Courtableau.

Pump Stations

Bayou Rapides Pumping Station on the Red River, Rapides Parish



Spanish Bayou Pumping Station, Pineville Levee, Rapides Parish

Floodgates:

Rapides Parish:

Bayou Lamourie Flood Gate

Bayou Philip Flood Gate on Bayou Rapides

Bayou Rapides Flood Gate and Pumping Station on the Red River (Close flood gate at elevation 72, Alexandria)

Bayou Rapides Flood Gate - Old Ice House

Bayou Rapides Flood Gate – 16th Street

Bayou Rapides Flood Gate – Thrifty Nickel

Diversion Canal Flood Gate on Bayou Rapides

Hawks Flood Gate on Bayou Rapides (Close flood gate at elevation 72, Bayou Rapides, Alexandria)

Pineville Levee Flood Gate – (by Lee J's Restaurant)

Pineville Levee Flood Gate - (at Purple Heart Bridge)

Rigolette Flood Gate - on the Red River

Spanish Bayou Flood Gates and Pumping Station on the Red River (Close flood gate at elevation 72, Alexandria)

Avoyelles Parish:

Brouillette Levee Flood Gate on Bayou Rapides

Coulee Des Grues Flood Gate

Hamburg Flood Gate on Bayou Des Glaisses

Simmesport Flood Gate – Ring Levee

Brouillette Levee Lake Long Flood Gate

St. Landry Parish:

Krotz Spring Flood Gate – North Ring Levee

Melville Flood Gate – North Ring Levee

Melville Flood Gate – South Ring Levee

RED RIVER LEVEE & DRAINAGE DISTRICT

P.O. Box 433

Coushatta, LA

Telephone: 318-932-4696

The board consist of five Commissioners, three from the West Bank of Red River, one residing on the east bank of the Red River and within the territory comprising the former Coushatta-Red River Levee District; and one from the east bank of the Red River and within that portion of the territory formerly a part of the 19th LA Levee & Drainage District.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST

6508 Spanish Fort Boulevard
New Orleans, LA 70124
Telephone: 504-355-4100
Fax: 504-355-4120
Website: www.slfpae.com

The Southeast Louisiana Flood Protection Authority (SLFPA-E) was created by Act No. 1 of the 2006 First Extraordinary Session of the Louisiana Legislature (LA R.S. 38:330.1 – 330.13) and established on January 1, 2007.

The SLFPA-E through its Board of Commissioners is the governing authority and has management, oversight and control over the levee districts under its jurisdiction, which includes three active levee districts: East Jefferson Levee District, Lake Borgne Basin Levee District and Orleans Levee District, and two currently inactive levee districts: St. Tammany Levee District and Tangipahoa Levee District.

The SLFPA-E receives an annual appropriation of five hundred thousand dollars to fund its operations from the Coastal Protection and Restoration Fund in accordance with Louisiana Constitution Art. 38 Sec. 38 (C).



Number of commissioners: Nine (9)

Executive Director and operations superintendents:

Regional Executive Director

Regional Chief Engineer

Number of personnel:

1 - Executive Assistant

2 - Administrative Assistants

Miles of levee:

East Jefferson Levee District: 30 miles of federal levees

Lake Borgne Basin Levee District: 36 miles of federal levees
26 miles of non-federal levees

Orleans Levee District: 48.74 miles of federal levees
15.62 miles of non-federal levees

Miles of floodwall:

East Jefferson Levee District: 8.7 miles of federal floodwalls

Lake Borgne Basin Levee District: 1.5 miles of federal floodwalls

Orleans Levee District: 26.79 miles of federal floodwalls
13.64 miles of non-federal floodwalls

Number of pump stations:

The Lake Borgne Basin Levee District is the only levee district under the jurisdiction of the SLFPA-E responsible for pumping and drainage; they operate eight (8) pump stations.

Number of drainage structures:

East Jefferson Levee District: 0

Lake Borgne Basin Levee District: 26 (21 canals and 5 valves/gates)

Orleans Levee District: 107 valves

Total number of floodgates:

East Jefferson Levee District: 13

Lake Borgne Basin Levee District: 13

Orleans Levee District: 201

Number of Railroad floodgates:

East Jefferson Levee District: 1

Lake Borgne Basin Levee District: 4

Orleans Levee District: 41

Number of Road floodgates:

East Jefferson Levee District:	2
Lake Borgne Basin Levee District:	2
Orleans Levee District:	138

Number of Channel floodgates:

East Jefferson Levee District:	0
Lake Borgne Basin Levee District:	1
Orleans Levee District:	2

Number of Industrial floodgates:

East Jefferson Levee District:	0
Lake Borgne Basin Levee District:	4
Orleans Levee District:	0

Number of 'other' floodgates:

East Jefferson Levee District:	10
Lake Borgne Basin Levee District:	2
Orleans Levee District:	20

A complete description of the levee system segments operated by each levee district can be found within the sections of the booklet describing East Jefferson Levee District, Orleans Levee District, and Lake Borgne Basin Levee District.

After the devastation caused by Hurricane Katrina, the U.S. Army Corps of Engineers (USACE) began the process of redesigning and reconstructing the Hurricane Protection Levee System throughout the Metropolitan New Orleans area. The Hurricane and Storm Damage Risk Reduction System (HSDRRS), as it is now being called, is the largest federally designed and constructed Civil Works Project in our Nation's history. The USACE is working to achieve 100 year level of protection for the New Orleans Metropolitan Area by June 1, 2010.

Major features of the HSDRRS that will be turned over to the levee districts under the SLFPA-E include:

- The IHNC – Lake Borgne Storm Surge Barrier
 - Approximately 8,000 linear feet of braced floodwall
 - 150' wide Sector Gate at the GIWW
 - 150' wide Barge Gate at the GIWW
 - 56' wide Vertical Lift Gate at Bayou Bienvenue
- The Seabrook Structure
 - (2) 50' wide Vertical Lift Gates
 - 95' wide Sector Gate
- 56' wide Sector Gates at Bayou Dupre and Caernarvon Canal
- Almost 30 miles of new concrete T-Wall floodwalls
- Improved levee embankments and floodgates

EAST JEFFERSON LEVEE DISTRICT

203 Plauche Court

Harahan, LA 70123

Telephone: 504-733-0087

Fax: 504-733-2255

Website: www.ejld.com



The East Jefferson Levee District was created in 1979 by the Louisiana Legislature. Prior to 1979, the District was originally part of the Pontchartrain Levee District, created in 1895. Effective January 1, 2007, the Board of Commissioners of the Southeast Louisiana Flood Protection Authority-East, created by the Louisiana Legislature (Acts 2006, 1st Extraordinary Session, No. 1), became the governing authority of the East Jefferson Levee District.

The East Jefferson Levee District maintains and operates 30 miles of hurricane and flood protection levees on the east bank of the Mississippi River in Jefferson Parish. There are 18 miles of hurricane protection levees, consisting of 10 miles along Lake Pontchartrain and 8 miles of levee along the two adjacent parish-line drainage canals. There are 12 miles of flood protection levees along the Mississippi River system from the Orleans Parish line to the St. Charles Parish line.

Tax revenue, State revenue sharing funds, and interest on invested idle funds are the sources of the District's income.

The Southeast Louisiana Flood Protection Authority-East Board of Commissioners governs the East Jefferson Levee District. The Board consists of 9 members.

There are 4 hospitals on the east bank of Jefferson Parish: East Jefferson General Hospital, Ochsner Hospital – Jefferson, Ochsner Hospital – Kenner, and Lakeside Hospital. There are 14 fire stations in the area, 30 schools and 6 nursing homes.

Executive Director
Superintendent of Operations
Chief of Police

The District's current staff consists of 5 administrative employees, 30 maintenance employees, and 21 police employees. Additionally, the District has 21 reserve police officers who donate at least 16 hours per month to the District.

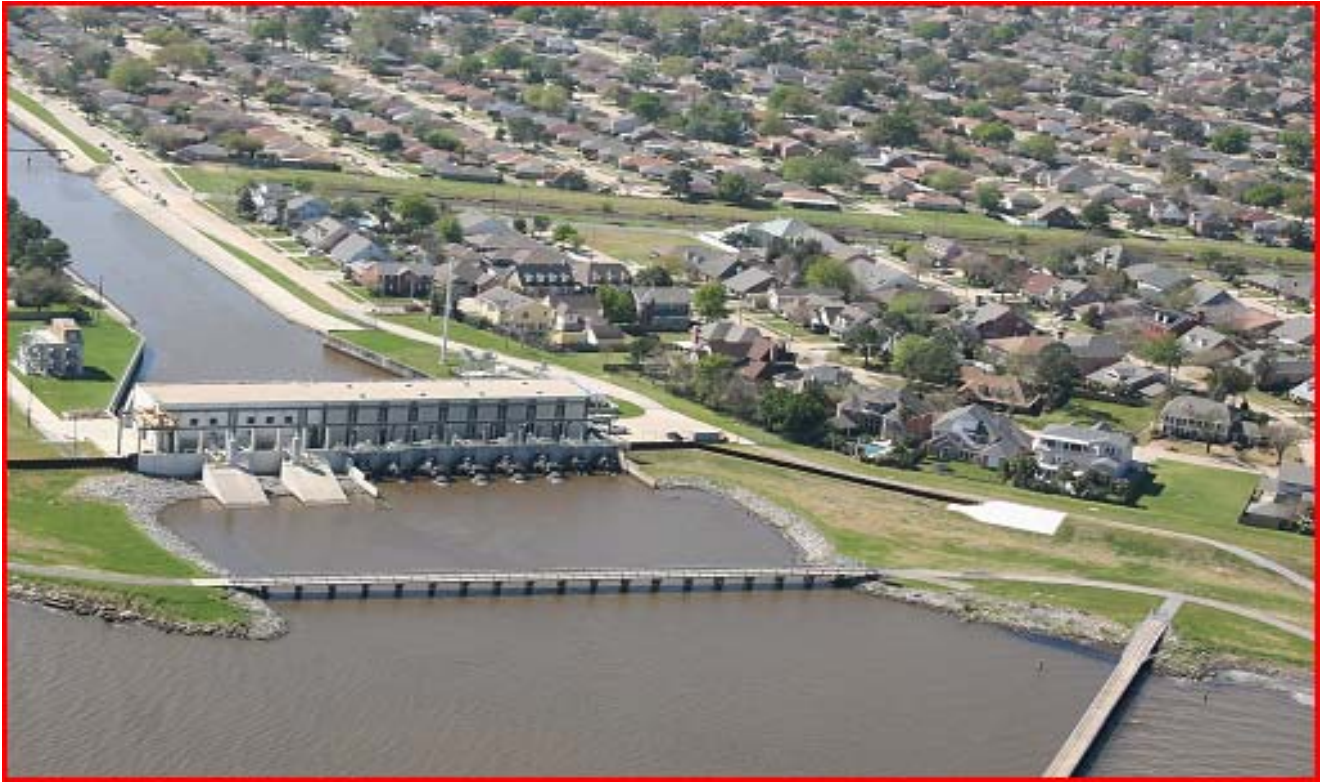
All of the levees are federal levees. The Mississippi River levee has 12 miles of flood protection from the Orleans Parish line to the St. Charles Parish line. Lake Pontchartrain has 12 miles of hurricane protection levees, 4.9 miles of floodwall at the West Return Levee (Parish line canal), and 2.8 miles at the East Return Levee (17th Street Canal). There is also 1 mile of floodwalls around the pump stations. The pump stations are operated and maintained by Jefferson Parish.

The East Jefferson Levee District's primary responsibility is to maintain the flood and storm integrity of its 30 miles of levee system. This includes the responsibility to continually inspect the levees and make necessary repairs to maintain the system's integrity. During floods and hurricanes, responsibility shifts to flood fighting and emergency actions to prevent failure, breaching or overtopping of the levees.

Additionally, the District has the responsibility to police its levees, provide security along its system, monitor construction and/or business operations for permitting violations, and to prevent encroachments on the system by adjacent landowners and utilities. In partnership with Jefferson Parish and municipalities, the District has public recreation facilities associated with the levee system.

Currently, the District's annual operating budget is approximately \$8 million and ad valorem taxes are at 4.01 mils. Approximately \$3 million a year is spent on levee maintenance, \$2 million on police, and \$1 million on administration. District equipment includes police patrol vehicles, a radio system, maintenance shop equipment, equipment for levee construction, and maintenance vehicles and equipment.

Thirty percent of the ad valorem taxes received by the District are set aside in a fund dedicated to levee improvements, levee construction, and the cost share on federal projects. The levee improvement projects currently under construction to reduce the District's risk from hurricane and storm damage to 100-year storm event levels required for participation in the National Flood Insurance Program are being constructed by the U. S. Army Corps of Engineers. The current cost estimate is \$1.2 billion, with the State's portion of the Federal cost-sharing estimated at \$30 million.



LAKE BORGNE BASIN LEVEE DISTRICT

P.O. Box 216 (mailing) 6136 E. St. Bernard Highway (physical)

Violet, LA 70092

Website: www.lbbld.com

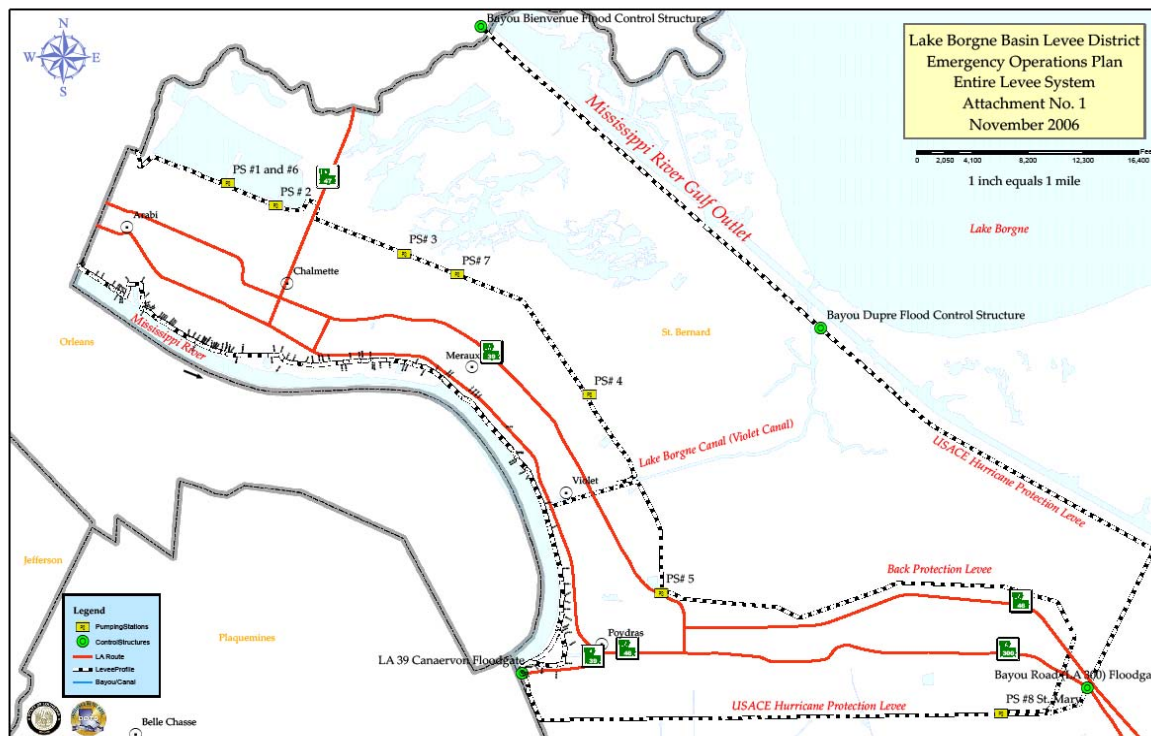
Date of origin: 1892

Source of revenue: Ad Valorem Taxes

Lake Borgne Basin Levee District's primary mission is to provide flood protection for those areas contained within its jurisdiction. To fulfill its mission the District's employees maintain and operate the following infrastructure:

- 12 miles of Mississippi River Levee (Federal)
- 26 miles of Back Protection Levee (Non-Federal)
- 23 miles of Lake Pontchartrain and Vicinity Hurricane Protection Levee (Federal)
- Bayou Dupre Control Structure
- 13 Flood Gates
- Violet Freshwater Siphon
- 55 miles of Drainage Canals
- 8 major Drainage Pumping Stations
- Main Office and Maintenance Shop

Site governing legislation: The District was created by the Louisiana State Legislature under the provisions of Louisiana Revised Statute 38:291(G) as a political subdivision of the State of Louisiana. On January 1, 2007, the Board of Commissioners of the Lake Borgne Basin Levee District was dissolved and the District was placed under the governance of the Board of Commissioners of the Southeast Louisiana Flood Protection Authority – East.



Critical Facilities and First Responder Agencies:

St. Bernard Parish houses 10 Fire Stations, 3 Wastewater Treatment Plants, 10 Schools, 1 Health Care Clinic, 3 Sheriff Substations and a criminal & dispatch office, 3 Electrical Substations in addition to the following critical facilities:

St. Bernard Parish Homeland Security & Emergency Preparedness 8201 W. Judge Perez Dr. Chalmette, LA 70043	St. Bernard Port, Harbor & Terminal District Arabi Terminal 8000 West St. Bernard Hwy. Arabi, LA 70032	St. Bernard Port, Harbor & Terminal District Chalmette Terminal & Maritime Emergency Operations Center 9000 West St. Bernard Hwy. Chalmette, LA 70043
St. Bernard Parish Water & Sewer Division Office & Water Treatment Plant 1111 E. St. Bernard Highway Chalmette, LA 70043	St. Bernard Parish Jail & Maintenance Yard 1900 St. Bernard Highway Chalmette, LA 70043	U.S. Army National Guard Jackson Barracks 6400 St. Claude Avenue New Orleans, LA 70146
St. Bernard Parish Cultural Arts Center 8245 W. Judge Perez Dr Chalmette, LA 70043	St. Bernard Parish Government Complex 8201 W. Judge Perez Dr. Chalmette, LA 70043	Val Riess Park 3900 Palmisano Chalmette, LA 70043
Parish Pick-up Point Paul Noel Gym 210 Moreau Drive Chalmette, LA 70043	St. Bernard Sheriff's Offices 8300 W. Judge Perez Dr. Chalmette, LA 70043	Domino Sugar Refinery 7417 N. Peters Road Arabi, LA 70032
Fire Department Headquarters & Communications Center 8201 W. Judge Perez Drive Chalmette, LA 70043	Paul Noel Gym 210 Moreau Drive Chalmette, LA 70043	ExxonMobil Oil 500 W. St. Bernard Hwy. Chalmette, LA 70043
Maintenance Bus Facility 5921 E. St. Bernard Hwy. Violet, LA 70092	Sammy A. Frichter Gym 7200 A. Alexander Arabi, LA 70032	Murphy Oil 2500 E. St. Bernard Hwy. Meraux, LA 70075
St. Bernard Parish Public Works 1125 E. St. Bernard Highway Chalmette, LA 70043	St. Bernard Parish Court House 1101 W. St. Bernard Hwy. Chalmette, LA 70043	Targa Resources 1901 Florissant Hwy. St. Bernard, LA 70085
St. Bernard Parish Maintenance Yard 120 Agriculture Road Chalmette, LA 70043	St. Bernard Parish School Board 200 E. St. Bernard Hwy. Chalmette, LA 70043	Toca Natural Gas Plant 2300 Bayou Road St. Bernard, LA 70085
		Chalmette Ferry St. Bernard Hwy & Paris Road Chalmette, LA 70043

Number of commissioners: 9

The Lake Borgne Basin Levee District, Orleans Levee District and East Jefferson Levee District are governed by the Board of Commissioners of the Southeast Louisiana Flood Protection Authority-East.

Executive Director and operations superintendents:

Executive Director

Pump Station Superintendant

Levee Foreman

Number of personnel:

Administrative: 4

Levee/Drainage Crew: 13

Pump Station Operators: 15

Miles of levee: 61

12 miles of the Mississippi River Levee (Federal)

26 miles of Back Protection Levee (Non-Federal)

23 miles of the Lake Pontchartrain and Vicinity Hurricane Protection Levee (Federal)

Miles of floodwall: 1.5

Number of pump stations: 8

Pump Station 1

Fortification Canal Pump Station
4200B Jean Lafitte Pkwy
Chalmette, LA 70043

Pump Station 4

Meraux Pump Station
3200 Guerra Dr.
Violet, LA 70092

Pump Station 7

Bayou Ducros Pump Station
3701 Bartolo Dr.
Meraux, LA 70075

Pump Station 2

Guichard Pump Station
4201 Jean Lafitte Pkwy.
Chalmette, LA 70043

Pump Station 5

E.J. Gore Pump Station
7701 E. Judge Perez Dr.
Violet, LA 70092

Pump Station 8

St. Mary Pump Station
3616 Bayou Road
St. Bernard, LA 70085
Meraux, LA 70075

Pump Station 3

Bayou Villere Pump Station
3700 Bartolo
Meraux, LA 70075

Pump Station 6

Jean Lafitte Pump Station
4200A Jean Lafitte Pkwy
Chalmette, LA 70043

Number of drainage structures: 26

21 drainage canals,

Creedmore Gravity Drainage Structure

Paris Road Sluice Gate

LA 46 Gravity Drainage Valve in Verret

LA 300 Gravity Drainage Valve in Verret

Verret Back Levee Drainage Valves (between LA 300 & PS #8)

Total number of floodgates: 13

Number of Railroad floodgates: 4

Number of Road floodgates: 2

Number of Channel floodgates: 1

Bayou Dupre Control Structure (56' wide Sector Gate)

Number of Industrial floodgates: 4

Number of 'other' floodgates: 2

The Mississippi River Levee runs along the left descending bank of the River along the southwestern boundary of St. Bernard Parish. It provides flood protection from high water associated with spring river flooding as well as hurricane storm surges.

The Back Protection Levee divides the pumped drainage areas of the Parish from those areas drained by gravity alone. The areas outside of the Back Protection Levee are subject to tidal action and consist mainly of open marshes.

The Lake Pontchartrain and Vicinity Hurricane Protection Levee runs from the Mississippi River Levee in Caernarvon to and along the Mississippi River Gulf Outlet and provides protection from storm surges associated with hurricanes.

Nine floodgates along the Mississippi River Levee, three floodgates along the Lake Pontchartrain and Vicinity Hurricane Protection Levee, and one floodgate along the 40 Arpent Levee are maintained and operated by the District. As a flood threat develops, floodgates throughout the Parish can be strategically placed in operation to both prevent flooding and keep evacuation routes open.

The Bayou Dupre Control Structure, located along the Lake Pontchartrain and Vicinity Hurricane Protection Levee near Martello Castle, provides a means for marine traffic to access the Mississippi River Gulf Outlet from Bayou Dupre. The Structure is closed during periods of extreme high tides associated with tropical cyclones and/or prolonged strong easterly winds.

Most of the Federal Hurricane Protection Levees were either destroyed or severely damaged by Hurricane Katrina in 2005. Since then, the US Army Corps of Engineers has been engaged in redesigning and reconstructing the Lake Pontchartrain Vicinity Hurricane Protection Project throughout the Metropolitan New Orleans area. The work being done in Lake Borgne Basin Levee District is part of the largest civil works project ever undertaken by the Corps.

Concrete floodwalls are being constructed atop the 23 miles of federal hurricane levees to an elevation that will provide at least a 100-year level of Hurricane and Storm Damage Risk

Reduction (HSDRRS). New Sector Gates will be constructed at Bayou Dupre and at Caernarvon to accommodate marine traffic.

The IHNC – Lake Borgne Hurricane Storm Surge Barrier is being constructed across the open marsh area east of the confluence of the MRGO and the GIWW. The Barrier includes a large Sector Gate and Barge Gate complex on the GIWW and a lift gate structure across Bayou Bienvenue.

The HSDRRS project when completed in June 2011 will pose many new challenges for the Lake Borgne Basin Levee District, including the operation and maintenance of billions of dollars of new hurricane protection infrastructure. A study is currently being prepared to quantify anticipated increased operations and maintenance costs associated with the new infrastructure and develop a financial plan to adequately fund O&M requirements.

Lake Borgne Basin Levee District is somewhat unique in that in addition to its levee operation and maintenance responsibilities, it is also responsible for the operation and maintenance of all major internal drainage canals and pumping stations for an entire Parish.

The land within the District naturally slopes away from the river toward the marsh areas to the north and east. Stormwater run-off is channeled through the District's network of 21 drainage canals to the drainage pump stations, where it is pumped over the levee system into the marsh.

The Levee District is responsible for operating and maintaining eight (8) major storm water drainage pump stations, providing a total pumping capacity of more than 3 million gallons per minute. Fortification (#1), Guichard (#2), and Jean Lafitte (#6) pump stations serve the drainage area from Arabi to Paris Road. Bayou Villere (#3), Meraux (#4), Bayou Ducros (#7) serve the drainage area from Paris Road to the Violet Canal. E. J. Gore (#5) and St. Mary (#8) pump stations serve the drainage areas from the Violet Canal to Verret and Verret to Caernarvon.

The Jean Lafitte (#6), Bayou Ducros (#7), and St. Mary (#8) Stations are manned on a 24-hour basis. The Fortification (#1), Guichard (#2), Bayou Villere (#3), Meraux (#4) and E. J. Gore (#5) Stations are manned only as required.

The Creedmore Gravity Drainage Structure was constructed as part of the LPV Chalmette Loop Hurricane Protection Project (circa 1970's). The Structure is located south of the intersection of Creedmore Canal and the Back Levee Canal and allows gravity drainage flow during severe rain events through the hurricane protection levee into the marsh area. It also provides a means to unwater the levee protected area after a breach or overtopping event.

The Levee District operates and maintains the Violet Freshwater Siphon located in Violet, Louisiana. The Siphon draws fresh water from the Mississippi River and discharges it into the Central Wetlands through the Violet Canal. The purpose of the siphon is to combat salt water intrusion and introduce nutrients and sediment into the Central Wetland marsh areas destroyed by the construction and operation of the Mississippi River Gulf Outlet channel constructed by the federal government circa 1950's – 1960's.

ORLEANS LEVEE DISTRICT

6920 Franklin Avenue

New Orleans, LA 70122

Website: www.orleanslevee.com

Date of Origin: Established in 1890

Source of Revenue: Ad Valorem Taxes and Mineral Revenue

The Orleans Levee District operates and maintains approximately 105 miles of levees and floodwalls, 200 floodgates, 103 drainage valves, and two marine flood control structures.

Critical Facilities and First Responder Agencies:

East Bank of Orleans Parish has approximately 9 hospitals, 48 fire stations, 197 schools, 31 nursing homes, 8 police districts.

Number of Personnel:

Executive and Administration: 22

Engineering and Inspection: 7

Operations and Maintenance: 57

Police: 30 (assigned from Division of Non-Flood Assets upon activation of Hurricane Alert)

Miles of Levee:

New Orleans Metro Polder: 26.13 (Federal - includes Mississippi River Levee)

New Orleans Metro Polder Interior: 21.56 (Non-Federal)

New Orleans East Polder: 40.83 (Federal)

New Orleans East Polder Interior: 4.78 (Non-Federal)

St. Bernard Polder: 8.57 (Federal - includes Mississippi River Levee)

St. Bernard Polder Interior: 2.92 (Non-Federal)

Total 104.79

Miles of Floodwall:

New Orleans Metro Polder: 15.16 (Federal - including Mississippi River Levee)

New Orleans Metro Polder Interior: 11.82 (Non-Federal)

New Orleans East Polder: 11.16 (Federal)

New Orleans East Polder Interior: 0 (Non-Federal)

St. Bernard Polder: 0.47 (Federal - includes Mississippi River Levee)

St. Bernard Polder Interior: 1.82 (Non-Federal)

Total 40.43

Number of Pump Stations:

Pump Stations and Frontal Protection Sluice Gates are under the jurisdiction of the New Orleans Sewage and Water Board. The temporary pump stations located at the London Avenue, Orleans Avenue, and 17th Street Outfall Canals are under the jurisdiction of the USACE.

Number of Drainage Structures:

Drainage Valves for Hurricane Levees and Floodwalls: 41

Drainage Valves for Mississippi River Levees and Floodwalls: 62

Drainage Gate Structures for Bayou Sauvage: 4 (16 valves - under the jurisdiction WL&F)

Number of Floodgates:

Railroad Floodgates: 41

Road Floodgates: 138

Channel Gates: 2

Maintenance Access Gates: 20

The District is responsible for flood control on the east bank of Orleans Parish including operation and maintenance of earthen levee systems, floodwalls, floodgates, and drainage valves. The District is responsible for approximately 105 miles of levee systems across three independent polders. There is a constant potential danger inherent from waters of both the Mississippi River and coastal lakes and waterways because most of the city's land is below sea level.

The Orleans Levee District is a tax levying body who establish millage rates on real estate and personal property within Orleans Parish in accordance with the criteria established by the State Legislature. The District has an annual operating expense budget of approximately \$11.2 million. A separate Capital Improvement Budget is established and reviewed annually for flood control facilities and other major construction items, with expenditures varying from year to year. The District employs some 86 employees.

During the period of 1916 to 1924, the Louisiana Legislature authorized the Orleans Levee Board to make studies, surveys and to begin improvements on the Lakefront. Article 16, Section 7 of the Louisiana Constitution of 1921 authorized extended powers of the Orleans Levee Board stating that the Board "has full and exclusive right, jurisdiction, power and authority to locate, relocate, construct, maintain, extend and improve levees, embankments, seawalls, jetties, breakwaters, water basins and other works in relation to such projects and to conduct all dredging operations necessary in connection with the shores, bottoms and beds of Lake Pontchartrain in the parish of Orleans."

In 1926, the construction of a permanent Lakefront levee was begun. In 1930, 5 ½ miles of seawall was constructed, and in 1931 the Board undertook the construction of Lakefront Airport built on 300 acres of reclaimed lake bottom, which was protected by a vertical-type seawall.

The stepped, concrete seawall along the lakefront was built approximately 3,000 feet out from the existing shoreline, with a filled area raised five to ten feet above the lake level. The area between the newly created seawall and Robert E. Lee Boulevard on the south side contains some 2,000 acres of reclaimed land.

The Lake Pontchartrain and Vicinity Hurricane Protection project was authorized by Congress in 1965. In late 1966, construction of floodwalls along the Inner Harbour Navigation Canal began on east and west sides. This project had advanced sufficiently so that when Hurricane Camille hit in 1969, the City was protected from similar tides as were produced by Hurricane Betsy (1965). In order to accelerate construction time, the Orleans Levee Board financed and constructed portions of the floodwalls, and in 1973 the project along the Inner Harbor Navigation Canal was virtually completed.

Construction on other portions of the project were continuing: The Citrus Back Levee, Michoud Slip Levee, New Orleans East Back Levee, New Orleans East South Point to Gulf Intercoastal Water Ways were constructed and substantially completed by 1977.

First lift levees were constructed on the Orleans portion of the Chalmette loop levee in 1970, and the major flood protection structure at Bayou Bienvenue was built in 1974 providing interim protection to the Lower Ninth Ward of New Orleans and the Chalmette area of St. Bernard.

In 1977, the Fifth District Court ruled the Environmental Impact Statement for the proposed LPV Barrier Plan inadequate and prohibited construction of the entire project. Subsequently, the injunction was modified to permit construction of the levee/floodwall elements of the hurricane protection plan including New Orleans East and Lakefront West End levees.

The LPV High Level Plan adopted in 1985 required that levee protection be constructed from the Lakefront Levees along the outfall canals to the city's pumping stations.

In 1983, under Proposition "C" the Levee Board asked the voters of New Orleans to extend the existing millage for an additional 30 years, thus providing for debt services on \$50 million of bonds and will be retired in 2015. These funds were used for utility relocations, engineering, construction and cash that were applied against the LPV assurances agreement with the U S Army Corps of Engineers to match 30% of the project cost. The entire project was approximately 95% complete and a total of approximately \$400M of improvements completed through August, 2005.

On August 29, 2005, Hurricane Katrina center made landfall on the Louisiana/Mississippi state line and the resulting storm surge inundated the Lake Pontchartrain and the Vicinity hurricane levee protection. This surge overtopped levees and floodwalls in many areas; there were over 50 breaches. After this disaster the U S Congress authorized \$14B for 100 year level of hurricane protection for southeast Louisiana known as the Greater New Orleans Hurricane and Storm Damage Risk Reduction System (HSDRRS).

Following Katrina, the Louisiana State Legislature created the Coastal Protection and Restoration Authority of Louisiana (CPRA) to oversee the rebuilding of Louisiana coastline and are the sponsors of the HSDRRS project. The Legislature also disbanded the District Board and created the Southeast Louisiana Flood Protection Authority – East (SLFPAE). This regional governmental body is the new commission responsible to restore, strengthen and enhance the multi-parish integrated hurricane and flood protection system for Orleans, East Jefferson, Lake Borgne Levee Districts and future St. Tammany and Tangipahoa Districts. The jurisdiction of the west bank of Orleans Parish was placed under the Southeast Louisiana Flood Protective Authority – West (SLFPAW). The Legislature also divested the Orleans Levee District of its non-flood assets including the New Orleans Lakefront Airport, marinas, park areas, and rental properties and placed the newly created Orleans Levee District Division of Non-Flood Assets under the State of Louisiana Department of Administration. In addition to the property, some personnel and all non-flood generated revenue was moved from the District to this new entity. In the recently completed legislation session dated August 15, 2010, a Board was created to

oversee the assets and operations of the Non-Flood Division and placed under Department of Transportation and Development.

The HSDRRS project when completed in June 2011 will pose many new challenges for the Orleans Levee District including the operation and maintenance of billions of dollars of hurricane protection improvements including the \$1.2B IHNC Lake Borgne Barrier Flood Control Wall and Gates, the \$155M Seabrook Flood Control Structure and many heightened and widened earthen levees, floodwalls, floodgates and redundancy features. The District continues to meet its levee inspection program responsibilities by submitting complete reports and remediation action reports on a quarterly basis to CPRA. A study is currently being prepared to identify the increased operations and maintenance costs required for these improvements and to plan financially for the cost increase.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - WEST

7001 River Road
Marrero, Louisiana 70072
(504) 340-0318
www.slfpa.org

The Southeast Louisiana Flood Protection Authority - West was created by the Louisiana Legislature during the 2006 First Extraordinary Session and has the responsibility for flood protection of its citizens living and working within its jurisdiction. That jurisdiction contains almost all of the lands lying on the west bank of the Mississippi River in Jefferson and Orleans parishes.

The Southeast Louisiana Flood Protection Authority - West manages its jurisdiction through a seven member board of commissioners who have the responsibility for the management of its two member levee districts, the West Jefferson Levee District and the Algiers Levee District.

WEST JEFFERSON LEVEE DISTRICT

Up until 1980, flood protection for the area of Jefferson Parish, west of the Mississippi River was the duty of the Lafourche Basin Levee District. In 1980, the West Jefferson Levee District was created by the Louisiana legislature and it assumed the responsibility for flood protection for west Jefferson Parish.

Until the end of 2006, the West Jefferson Levee District was managed by a nine member Board of Commissioners. The duties of that board transferred to the seven member Board of Commissioners of the Southeast Louisiana Flood Protection Authority - West with the passage of Act 1 of the 2006 Louisiana special session. The Louisiana legislature under pressure from its citizens also took additional action. It determined flood protection of its citizens would be better served by combining its many New Orleans area levee districts into two flood protection authorities.

During a 2006 special legislative session the Southeast Louisiana Flood Protection Authority - West and the Southeast Louisiana Flood Protection Authority – East were created. The West Jefferson Levee District and that portion of Orleans Levee District lying on the west bank were placed under the management of the Southeast Louisiana Flood Protection Authority -West.

ALGIERS LEVEE DISTRICT

During the 2007 legislative session the Algiers Levee District was created by reorganizing the Orleans Levee District giving Algiers its own levee district.

The West Bank and Vicinity Hurricane Protection Project consists of approximately 56 miles of levees, 11 miles of floodwall and 5 navigable flood gates, providing flood protection for portions of West Jefferson, Algiers, in Orleans, Belle Chasse, in Plaquemines and West St. Charles to the Davis Pond Fresh Water Diversion levees. The project began in 1991 as the Westwego to Harvey Canal Project which was designed to bring hurricane flood protection from the City of Westwego

to the west bank of the Harvey Canal. In 1996, the project expanded to include the Lake Cataouatche Levee extending protection to the communities of Avondale, Bridge City and Waggaman and the East of Harvey Canal project to provide flood protection for the communities of Gretna and Harvey as well as for Algiers, in Orleans and Belle Chasse in Plaquemines. In 2008 the project was once again expanded adding the Western Tie In extending flood protection to the parish of St. Charles up to the Davis Pond Fresh Water Diversion levees. The project is scheduled to expand again in 2009 to include the GIWW West Closure which will add another navigable flood gate and a drainage pump station both to be located just south of the Algiers and Harvey canals. The addition of this feature will eliminate the need for raising approximately 20 miles of levees along the Algiers Canal and along the Harvey Canal north of the Estelle Pump Station.

In cooperation with the Orleans Levee District and Plaquemines Parish Government, in 1996 congress authorized construction of the Lake Cataouatche Levee and the East of Harvey Canal project. Because the size and cost of the project was beyond the ability of West Jefferson Levee District to fund, the Louisiana Department of Transportation and Development was directed by the Louisiana legislature to take that responsibility. To handle non-Federal management of the project LaDOTD and the West Jefferson Levee District entered into a Cooperative Endeavor Agreement naming the levee district as agent for non-Federal interests.

The project moved very slowly as funding was always difficult to obtain from both the state legislature and congress. In 2005, Hurricanes Katrina and Rita struck the New Orleans area bringing wide spread flooding from the failure of existing flood protection projects. Following the hurricane congress provided sufficient funding and directed the U. S. Army Corps of Engineers to completely rebuild the failed flood protection system. Of benefit to the citizens of the west bank, congress also funded and directed the Corps to rapidly complete the West Bank and Vicinity Hurricane Protection Project and to raise its elevation to protect against the 100 year storm.

The Louisiana legislature created the Coastal Protection and Restoration Authority and placed it under control of the governor and directed this organization to represent Louisiana before congress in all matters concerning hurricane flood protection and coastal restoration.

During the 2009 legislative session St. Charles Parish was included into the project.

Under management of the Southeast Louisiana Flood Protection Authority – West and in cooperation with the Coastal Protection and Restoration Authority the West Bank and Vicinity Hurricane Protection Project continues to be constructed with its completion scheduled for late 2011.

17904 Hwy 3235
Galliano, LA 70354
Telephone: 985-632-7554
Fax: 985-623-7555
Website: www.slld.org



Critical facilities and first responder agencies in the area of protection:

Lady of the Sea Hospital, Galliano, LA

Fire Central, Galliano, LA

Lafourche Parish Sheriff's Office, Galliano, LA

Greater Lafourche Port Commission, Galliano, LA

- Lafourche Harbor Police

Schools include:

- Cut Off Elementary, Cut Off, LA
- Galliano Elementary, Galliano, LA
- Golden Meadow Elementary, Golden Meadow, LA
- Golden Meadow Middle, Golden Meadow, LA
- Golden Meadow Upper Elementary
- Holy Rosary Catholic, Larose, LA
- Larose-Cut Off Middle, Larose, LA
- Larose Upper, Larose, LA
- South Lafourche High, Galliano, LA

Number of commissioners: Nine (9)

Executive Director and operations superintendents:

General Manager/Executive Secretary

Levee Board Operations Superintendent

Number of personnel:

- (1) Administrative Assistant
- (2) Clerical Assistants
- (1) Levee Foreman B
- (1) Mobile Equipment Operator 1-Heavy
- (4) Mobile Equipment Operator 2
- (2) Mobile Equipment Operator 2-Heavy
- (4) Navigational Lock Operators
- (1) Operating Engineer 2
- (1) Operating Engineer Master
- (3) Laborers (part-time, temporary)

Miles of levee: 48 miles of federal levee system

Miles of floodwall: Approximately 1 mile of floodwall

Number of pump stations: 6

- Pump Station No. 1, Oak Ridge Park, Golden Meadow, LA
- Pump Station No. 2, 566 West 107th Street, Galliano, LA
- Pump Station No. 4, Yankee Canal, Golden Meadow, LA
- Pump Station No. 6, 101 LOOP Road, Galliano, LA

- Pump Station No. 7, 510 East Third, Larose, LA
- Pump Station No. 8, Golden Meadow, LA



Number of drainage structures: Seven (7) gate valves

Number of Road floodgates: 6

Number of Industrial floodgates: 1 floodgate in Larose and 1 lock in Golden Meadow

The Larose to Golden Meadow Hurricane Protection system is a flood control system comprised of approximately 48 miles of earthen levees and floodwalls enclosing a loop between the communities of Larose and Golden Meadow, Louisiana along Bayou Lafourche. To date, approximately \$115,000,000 has been spent to build the levees, drainage structures and pumping stations in the South Lafourche District. The levees also protect a critical low segment of important highways that support Port Fourchon and its strategic intermodal transport for 90% of the Nation's Gulf deep offshore oil production.

Annual maintenance costs average \$650,000. Some 33,400 acres of property are protected within the 48 mile ring levee system.

The levee district has recently completed the Leon Theriot Lock in Golden Meadow, LA at a cost of over \$25,000,000. In addition, other improvements are being made to raise the levee system from its present elevation of 10' to 13' to an increased elevation of 13' to 16'.

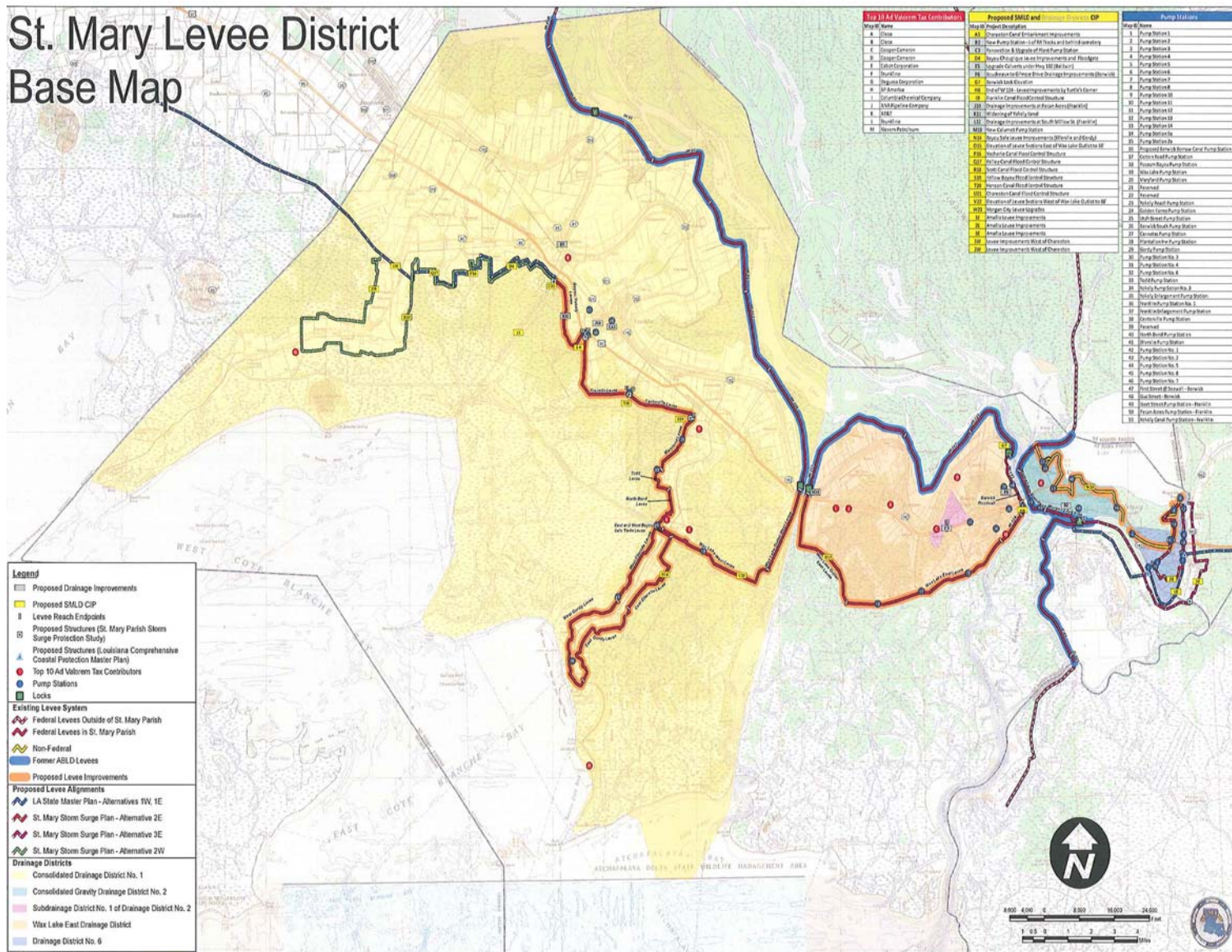
ST. MARY LEVEE DISTRICT

Mailing: P.O. Box 850
Franklin, LA 70538

Physical: St. Mary Parish Courthouse Building
500 Main Street, 3rd Flr, Suite 304
Franklin, LA 70538

Telephone: 337-828-4100 ext. 371
Fax: 337-828-4092
Website: www.smlld.org

The St. Mary Levee District is a flood protection authority created by the State Of Louisiana under Act No. 259 in 2007.



Number of commissioners: 9

Number of personnel: Administrative Assistant and Field Consultant

TECHE VERMILION FRESH WATER DISTRICT

315 South College Suite 110

Lafayette, LA 70503

Telephone: 337-233-6902

Fax: 337-233-6941

Date of origin- 1969

Source of Revenue- 1.5 mill property tax in Lafayette, Iberia, St Martin and Vermilion Parishes.

Scope of work- To restore the supply of fresh water to the Teche-Vermilion Basin that was cut off by installation of protection levees and floodways and to supply additional water for Agricultural and Industrial use.

The district includes the following parishes: Lafayette, Iberia, St. Martin and Vermilion Parishes.

Number of Commissioners: five (5) – one from each of the four parishes and one Advisory commissioner from St. Landry Parish.

Employees:

1 – Executive Director

1 – Executive Assistant

1 – Supervisor

4 – Operators

4 – Assistant Operators

Number of pump stations: one (1) pump station with five (5) pumps

Number of water control structures: seven (7)

Pump into a 6.2 mile long conveyance channel which conveys water across the West Atchafalaya Floodway. The pumped water then gravity flows into Bayou Courtableau, Bayou Teche, Bayou Amy and Bayou Vermilion. The District also owns Ruth Canal which is 4 miles long. Ruth Canal allows water to gravity flow from Bayou Teche to Bayou Vermilion. The District operates control structures to regulate and distribute the flow of water as needed within the Teche-Vermilion Basin.

TENSAS BASIN LEVEE DISTRICT

505 District Drive

Monroe, LA 71202

Telephone: 318-323-1130

Fax: 318-323-1177

The Tensas Basin Levee District was created by Act 26 of the General Assembly of the State of Louisiana in 1884 and is the oldest levee district in the state. It is composed of all or part of eight parishes: Caldwell, Catahoula, Franklin, LaSalle, Morehouse, Ouachita, Richland and West Carroll.

Critical facilities and first responder agencies in the area of protection:

Caldwell Parish: Caldwell Memorial Hospital

Catahoula Parish: Catahoula Parish Hospital

Franklin Parish: Franklin Medical Center

LaSalle Parish: LaSalle Parish Hospital

Morehouse Parish: Morehouse General Hospital

Ouachita Parish: St. Francis Hospital, Glenwood Hospital

Richland Parish: Richland Parish Hospital, Richardson Medical Center

West Carroll Parish: West Carroll Memorial Hospital

Number of commissioners: 11

Number of personnel:

Monroe Office: Executive Director, Levee Board Operations Superintendent, Administrative Assistant 5, (1) Administrative Assistant, (1) Master Mechanic, (1) Maintenance Mechanic, Foreman B, (6) Mobile Equip. Operator 1, (2) Mobile Equip. Operator 1 Heavy, (1) Mobile Equip. Operator 2, (2) Police Officers, (1) Administrative Assistant 3

Jonesville Office: Levee Maintenance Superintendent, (4) Mobile Equip. Operator 1, (2) Mobile Equip. Operator 1 Heavy, (1) Mobile Equip. Operator 2 Heavy, (1) Master Mechanic, (1) Mobile Equip. Operator 2.

Arkansas City, Arkansas Office: Levee Maintenance Superintendent, (5) Mobile Equip. Operator 1, (2) Mobile Equip. Operator 1 Heavy, Maintenance Mechanic.

Miles of floodwall: Monroe permanent floodwall is 8700 feet; West Monroe permanent floodwall is 8554 feet; Monroe's folding floodwall is 1750 feet. Jonesville Floodwall is 1425 feet.

Number of pump stations: 11

Bawcomville West in Bawcomville, La

Bawcomville East in Bawcomville, La

Black Bayou (2 stations) in West Monroe, LA

River Styx Bayou in Monroe, LA

Chauvin Bayou in Monroe, LA

Brown Lake in Columbia, LA
Davis Lake, In Columbia, LA
Columbia Local Protection (2 stations) in Columbia, LA
Jonesville Local Protection in Jonesville, LA

Number of drainage structures: 135

Total number of floodgates: 135

The District is composed of Morehouse, West Carroll, Richland, Franklin, Catahoulan, Lasalle and portions of Ouachita and Caldwell Parishes; with 1,300,000 acres.

The following projects were constructed by the U.S. Army Corps of Engineers:

Tensas Basin, Boeuf and Tensas Rivers

This project in Louisiana consists of 353.1 miles of channel improvement for flood control and to afford adequate outlet drainage for the tributary lands on the major streams of the Boeuf and Tensas Basins in Arkansas and Louisiana, some 5300 square miles. Total cost for the project was \$134,488,000 and was completed in 1977.

Harrisonburg to Little River

This levee is 3.9 miles in length and includes 8.7 miles of drainage ditch and provides interim protection to the Bushley Bayou area. Project was completed in 1960 at a cost of \$329,282.00.

Jonesville

This project provides flood protection to the City of Jonesville, Louisiana from headwater floods on the Ouachita-Black Rivers and backwater flooding from the Mississippi and Red Rivers. Levee is 4.40 miles in length with 1425 feet of floodwall, two drainage structures, a storm sewer, storm drainage pumping plant and an outlet ditch. Cost \$645,950.00

Larto Lake to Jonesville

This project consists of 63.40 miles of levee protecting 104,000 acres. The work was completed in 1976 at a cost of \$11,712,335.00.

Sicily Island Area Levee

This project consists of 56 miles of levee and protects an area of nearly 100,000 acres in Franklin and Catahoula Parishes from flooding from the Tensas and Ouachita Rivers. An estimated cost of \$45,466,372.39.

Ouachita River Levees and Floodwall

Project consists of 115.32 miles of levee and floodwall with 51 floodgate structures and 4 pumping stations. Project provides varying degrees of flood protection to a large area in the Ouachita River Basin. Protection to Monroe and other cities is an important feature of the project. The levee system was constructed over a 10-year period beginning in 1932. Approximate cost of the project as compiled by the State Board of Engineers was \$2,273,348.07.

Bawcomville

The Bawcomville loop levee provides protection to the town of Bawcomville from the Ouachita River. The levee is 3.1 miles in length and includes two stormwater-pumping plants, 2 drainage structures and appurtenant ditches. This project was completed in 1955 at a cost of \$253,323.00.

Monroe Floodwall

This 1,750 foot folding wall provides protection to the City of Monroe. Construction was completed in 1977 at a cost of \$2,560,500.00

Columbia Protection Works

The project includes 1.40 miles of levee, 3 drainage structures, a storm sewer with ditches, a storm drainage pumping plant and an outfall sanitary sewage station. The project provides protection to the City of Columbia from flooding of the Ouachita River. Project was completed in 1939 at a cost of \$204,740.00

Little Bayou Boeuf

This project consists of 7.40 miles of improved channel and provides flood control and drainage to Little Bayou Boeuf in Morehouse and Ouachita Parishes. Completion was in 1953 at a cost of \$74,436.00

Bayou Bartholomew

This project consists of 5.00 miles of levee with 11 drainage structures. The levee was constructed in 11 segments and provides varying levels of protection to adjacent lands in Morehouse Parish. The last section was constructed in 1974. The estimated would be \$4,000,000.00

Catahoula-Harrisonburg

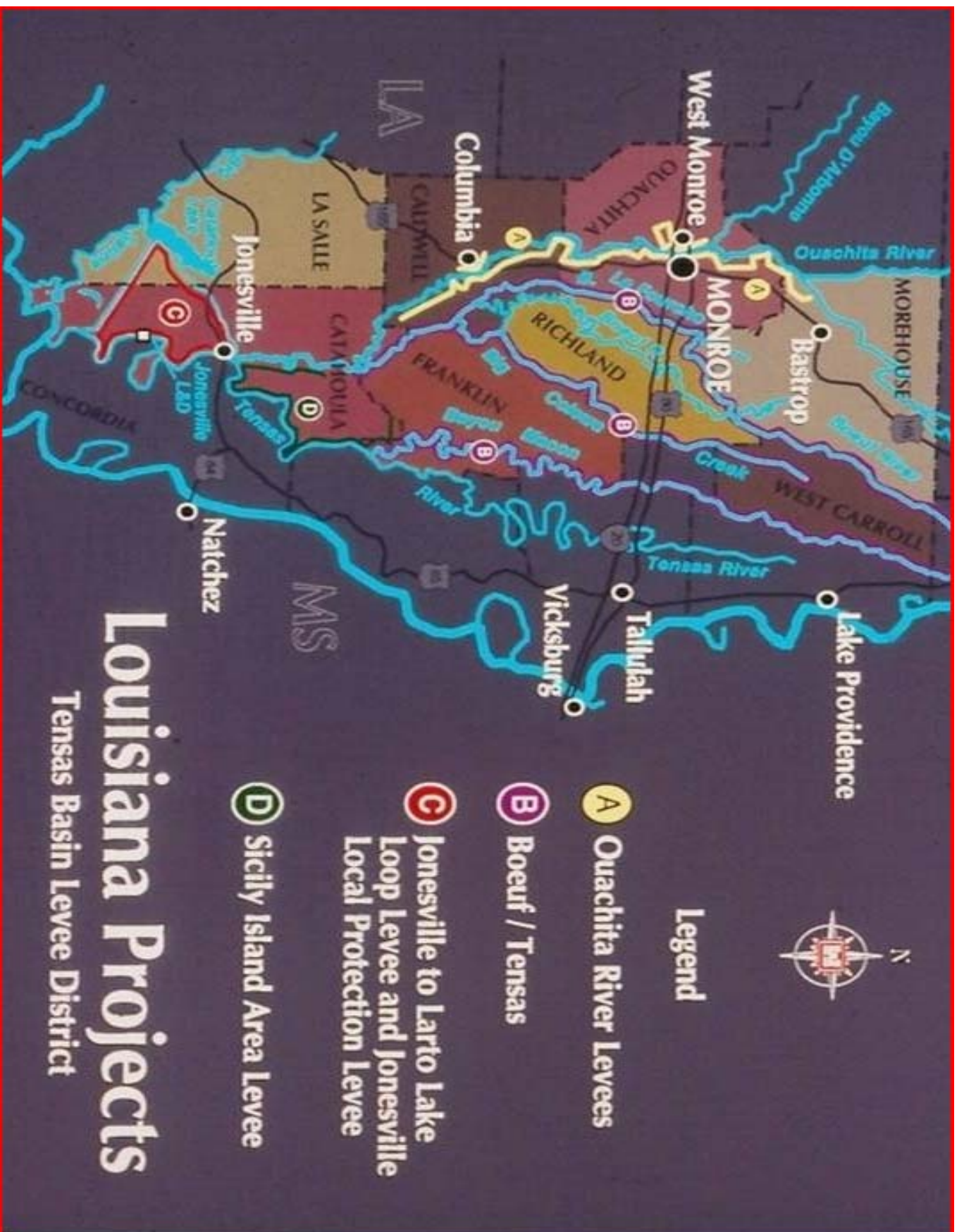
This 21.25 miles of levee provides varying levels of protection to an area between Harrisonburg and Jonesville. Construction was completed in the 1950's. Estimated cost would be \$17,252,864.52.

There are several detached levee sections not listed here.

TENSAS BASIN LEVEE DISTRICT

FLOOD CONTROL WORKS

Item	Miles		Structures			WEIRS
	LEVEES	CHANNELS	FLOOD GATES	PUMP STATIONS		
Boeuf-Tensas *						
Bayou La Fourche	-	56.80	-	-	-	1
Bayou Macon	-	124.20	-	-	-	-
Big and Colewa Creeks	-	85.00	-	-	-	6
Boeuf River	-	71.60	-	-	-	7
Little Bayou Boeuf	-	15.50	-	-	-	-
Jonesville Local Protection *	4.40	2.00	1	1	-	-
Red River Backwater *						
Harrisonburg to Little River	3.90	8.70	-	-	-	-
Sicily Island Area	56.00	11.00	35	-	-	1
Larto Lake to Jonesville	63.40	15.00	25	2	-	-
Interim Grade Cataboula Parish	9.70	-	-	-	-	-
Harrisonburg Area	11.55	-	-	-	-	-
Bawcomville Local Protection	3.10	3.00	3	2	-	-
Columbia Local Protection	1.40	.50	3	2	-	-
OnachitaEast Bank Levee & Floodwall	108.12	-	51	4	-	-
West Monroe Levee & Floodwall	7.20	2.00	6	2	-	-
Bayou Bartholomew (Detached)	5.00	4.00	11	-	-	-
Mississippi River (Arkansas)	75.60	-	-	-	-	-
Arkansas River (Arkansas)	65.00	-	-	-	-	-
(* Indicates Mississippi River & Tributaries)						
TOTALS	414.37	399.30	135	13	15	



TERREBONNE LEVEE & CONSERVATION DISTRICT

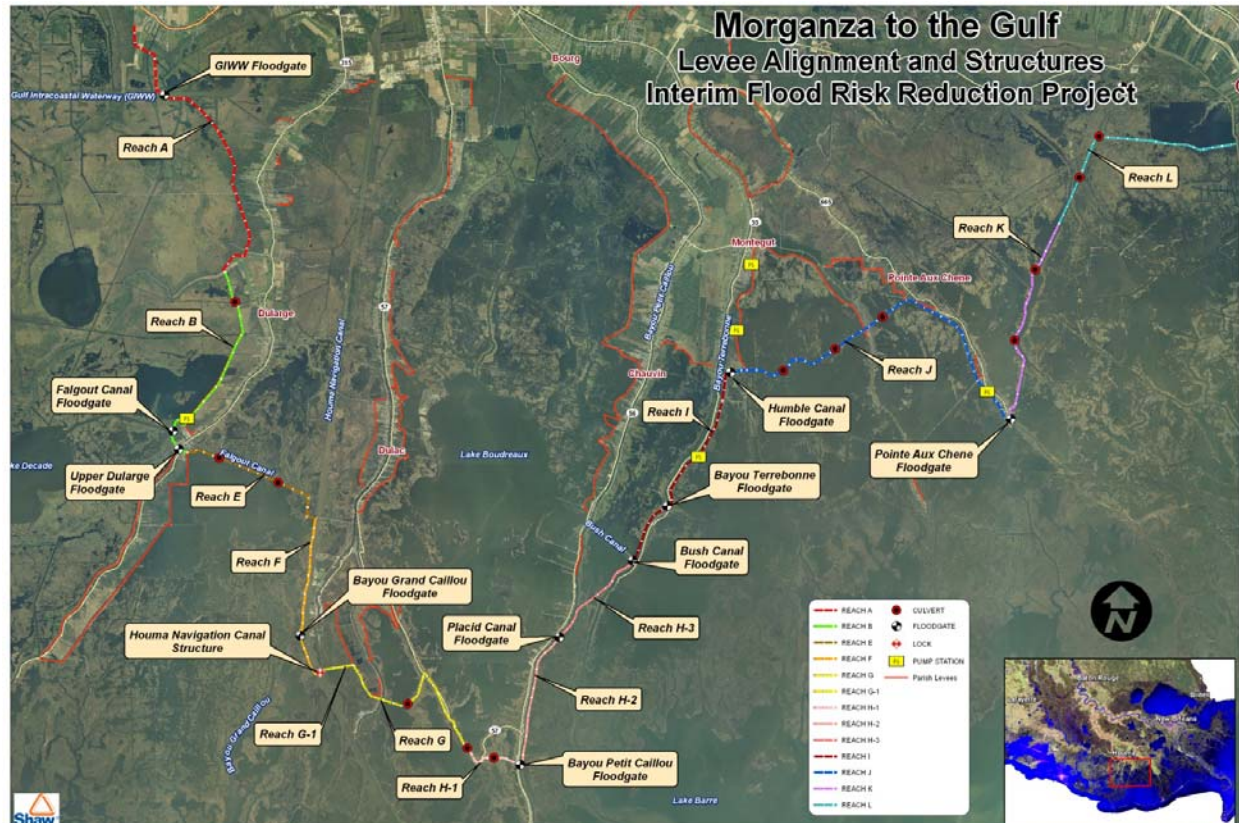
220-A Clendenning Road

Houma, LA 70363

Telephone: 985-868-8523

Fax: 985-853-2318

Website: www.tlcd.org



Morganza to the Gulf Levee Alignment and Structures Interim Flood Risk Reduction Project

The Terrebonne Levee & Conservation District (TLCD) was created by Act 1407 of the Regular Session of 1997 (House Bill 1396) authored by Representatives Dupre, Downer, Gautreaux, Rousselle and Triche, and Senators Robichaux and Siracusa. TLCD was granted parish wide jurisdiction in all of Terrebonne Parish. Further, this legislation consolidated the South Terrebonne Tidewater Management & Conservation District (created by Act 761 of 1986) and the North Terrebonne Parish Drainage and Conservation District (created by Act 672 in 1988). Act 1407 of 1997 also designated the TLCD as the “official” levee district for Terrebonne Parish, replacing the Atchafalaya Levee District.

TLCD collects approximately \$3,000,000 in annual ad valorem taxes. In 2001, the voters of Terrebonne Parish implemented a ¼% sales tax which currently generates approximately \$5,000,000 in annual revenues, specifically dedicated to the construction of the Morganza to the Gulf Hurricane Protection Project.



Bayou Terrebonne Sector Floodgate - Built in 1992



Expected Completion 2012-2013

TLCD's most important function is that this political subdivision is the local sponsor, along with its State (OCPR) and Federal (USCOE) partners for the Morganza to the Gulf Hurricane Protection Project. In 1992, Congress authorized the USCOE to begin a Reconnaissance Study for this project. In 1995, Congress authorized this effort to be elevated to a full Feasibility Study. In 2002, the Chief's Report was signed at the USCOE Headquarters. In 2007, the Morganza Project received Congressional authorization. However, the USCOE is currently in the process of doing a Post Authorization Change Report because the overall cost estimate

exceeds 20% of the authorized costs. The current cost estimate for the Morganza project exceeds \$4 Billion, with the local and state sponsors being responsible for 35% of the construction costs. After Hurricanes Gustav and Ike in 2008, TLCD in conjunction with state and local leaders, began to develop plans to build levees and floodgates along the Morganza alignment with only state and local funding. As of October, 2010, 6.5 miles of new levees and 2 floodgates were under construction. Further, an additional \$120 million of contracts are expected to be bid by mid 2011, including the Houma Navigational Canal “Bubba Dove” barge floodgate at a massive width of 274 feet.

The Morganza to the Gulf Hurricane protection project will protect approximately 200,000 South Louisiana Citizens in Terrebonne and portions of Lafourche Parishes, including all of the metro area of the City of Houma. The protection area includes two major medical centers, all schools within Terrebonne Parish and many other medical and public safety facilities.

Number of Commissioners: Nine (9)

Number of Employees: 18 employees + 3 temporary laborers

- 1 – Executive Director
- 1 – Administrative Manager/Board Secretary
- 1 – Operations Manager
- 2 – Administrative Assistants
- 1 – Clerk (part time)
- 1 – Mechanic
- 1 – Mechanic Helper
- 2 – Mobile Equipment Operators
- 4 – Heavy Equipment Operator
- 2 – Laborers
- 1 – Oiler Helper
- 1 – Maintenance Foreman
- 3 – Temporary Laborers (through Louisiana Workforce)

TLCD currently has primary jurisdiction of 34 miles of Levee within Terrebonne Parish and assists the Terrebonne Parish Consolidated Government with coastal tidal levees. Further, TLCD operates and maintains 2 sector flood gates and 3 auxiliary barge floodgates. TLCD’s ongoing state and local efforts to provide interim flood protection will result in 5 additional floodgates and 16 miles of new levees by the year 2014. Once complete, the Morganza project will have 72 miles of levee, 12 navigable floodgates, and several environmental structures, and a lock complex on the Houma Navigation Canal near Dulac, Louisiana.

TLCD generally does not operate and maintain pump stations. The parish government continues to operate drainage pump stations, even along the Morganza Hurricane Protection alignment. Currently, the only pump station under primary jurisdiction of TLCD is the Bayou Lacache Pump Station along Bush Canal Levee in Chauvin, LA. This pump station is a marsh management station with TLCD and LA DNR sharing on a 50-50 basis the costs of operation and maintenance.

COOPERATIVE ENDEAVOR AGREEMENT BY AND BETWEEN THE LEVEE
DISTRICTS OF LOUISIANA

This Cooperative Endeavor Agreement (“CEA”) is made and entered into on the dates set out below, by and between each undersigned Levee District, represented herein by each Levee District’s President, duly authorized.

WITNESSETH:

WHEREAS, Article VII, Section 14(C) of the Louisiana Constitution of 1974 provides that, “For a public purpose, the State and its political subdivisions or political corporations may engage in cooperative endeavors with each other, with the United States, or its agencies, or with any public or private association, corporation, or individual”; and,

WHEREAS, Louisiana Revised Statute 38:325(A)(5) provides that Levee Districts may engage in cooperative endeavors with other public bodies for public purposes; and,

WHEREAS, the Levee Districts are legislatively created local political subdivisions of the State of Louisiana with the constitutional and statutory authority to contract, including entering into cooperative endeavor agreements; and

WHEREAS, this CEA will be mutually beneficial to the parties in the furtherance of their respective statutory purposes and duties, and each party expects to receive benefits for themselves and the public at least equal to the costs of the responsibilities undertaken pursuant hereto; and,

WHEREAS, the Levee Districts have resources to assist each other in the event of an emergency.

NOW, THEREFORE, in consideration of the premises and mutually dependent covenants herein contained, the parties hereto agree as follows:

- 1) Each undersigned Levee District agrees to aid and assist any other undersigned Levee District in an emergency, when requested, to the extent of its ability considering its resources and its own impact from the emergency.
- 2) The aid and assistance contemplated by this CEA includes, but is not limited to, personnel, equipment, supplies, and materials.
- 3) The Responding Levee District (“RLD”) will document the aid and assistance provided to the Requesting Levee District (“RQLD”) by listing and describing with specificity the resources provided and will keep detailed records, books, documents, and other evidence pertaining to costs and expenses incurred pursuant to this CEA, and will promptly deliver them to the RQLD.

- 4) The RQLD agrees to make timely and correct application for reimbursement from the Federal Emergency Management Agency ("FEMA") and any other appropriate governmental entities, for the aid and assistance above described, and further agrees to promptly comply with all FEMA or other governmental entities' requirements for reimbursement, and to promptly deposit/negotiate reimbursements received, and in turn promptly reimburse to the RLD such reimbursements received.
- 5) The RLD agrees to maintain all records relating to the costs incurred in providing aid for a period of three (3) years following final payment.
- 6) The parties mutually agree to execute any and all acceptable documents as may be necessary or expedient in furtherance of the purposes agreed to herein.
- 7) The RQLD agrees to pay to the RLD the amount due for any damages, expenses, or costs not reimbursed by FEMA and/or other appropriate governmental entities and not covered by insurance. Any equipment which is damaged or breaks, and which is not covered by warranty or insurance, will be repaired by the RQLD.
- 8) The RQLD will maintain and fuel the equipment furnished by the RLD.
- 9) The RLD will maintain all insurance on its personnel and equipment tendered to the RQLD.
- 10) Control over its personnel and equipment will remain with the RLD.
- 11) Any party may withdraw from this CEA by thirty (30) days written notice to all other parties to this agreement.
- 12) The effective date of this CEA for each signatory is the date that the signatory signs his Agreement.
- 13) This CEA can be signed in counterparts, each of which shall be deemed an original.
- 14) This CEA shall be governed by the laws of the State of Louisiana.

IN WITNESS WHEREOF, the parties have formalized their CEA and executed same on the day, month, and year written below. The undersigned Levee District agrees to participate in this CEA pursuant to a resolution adopted by its Board of Commissioners:

Mutual Aid Agreement **Participating Levee Districts**

Atchafalaya Basin Levee District

Bossier Levee District

Caddo Levee District

East Jefferson Levee District

Fifth Louisiana Levee District

Lafourche Basin Levee District

Lake Borgne Basin Levee District

Nineteenth Louisiana Levee District

North Lafourche Conservation, Drainage & Levee District

Orleans Levee District

Pontchartrain Levee District

South Lafourche Levee District

St. Mary Levee District

Tensas Basin Levee District

Terrebonne Levee & Conservation District