

LID 19 NEWS

**PUBLIC EDUCATION AND NEWS UPDATES FOR RESIDENTS OF
FORT BEND LEVEE DISTRICT 19. PUBLISHED QUARTERLY**



UNDERSTANDING WATER FLOW

Understanding water flow can be a challenging task. With the historic record-breaking rainfall event's LID 19 has experienced recently, including Hurricane Harvey, the levee systems have shown their strengths and weaknesses. To date,

LID 19's levee has served its purpose successfully by preventing the overflow of the rising Brazos River into the district. On the other hand, the overwhelming rainfall experienced inside the levee caused concern of system's ability to pump water back into

the Brazos River quickly.

Since September 2017, efforts have been made to evaluate and increase pumping capacity to prevent the collection of rainwater 'inside' of the levee. These actions are designed to protect homes from this type of flooding. This effort

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Fort Bend County Levee Improvement District No. 19

Guiding Principles

Adopted October 24, 2019

At the October 24th board meeting, LID 19 Directors voted to adopt Guiding Principles for the District. These principles are intended to serve as a reference tool for the Board of Directors and residents of Fort Bend County Levee Improvement District No. 19 ("LID 19") to establish priorities and goals and to assist in future policy-making decisions affecting LID 19. The guiding principles may be subject to change by approval of the Board of Directors.

LID 19's primary purposes and priorities are to:

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UNDERSTANDING WATER FLOW

»» WATER FLOW FROM PAGE 1

began with Fort Bend County Levee Improvement District No. 15 (LID 15) and LID 19's immediate joint purchase of additional portable pumps to provide extra pumping capacity, followed by the expansion of the Steep Bank Creek pumping station. Below are explanations of terms used to understand the flow of the water within the district as well as the ability to rid the district of water in an emergency.

What is a watershed?

Answer: an area or ridges of land that separates waters flowing to different rivers, basins, or seas.

Fort Bend County, in general, has subtle topography, meaning it is generally flat and flows are typically not guided by natural hills or valleys. Three watersheds exist in the Riverstone community that flow into the Brazos River. (Map A above)

Alcorn Bayou watershed: Area in orange

Snake Slough watershed: Area in pink

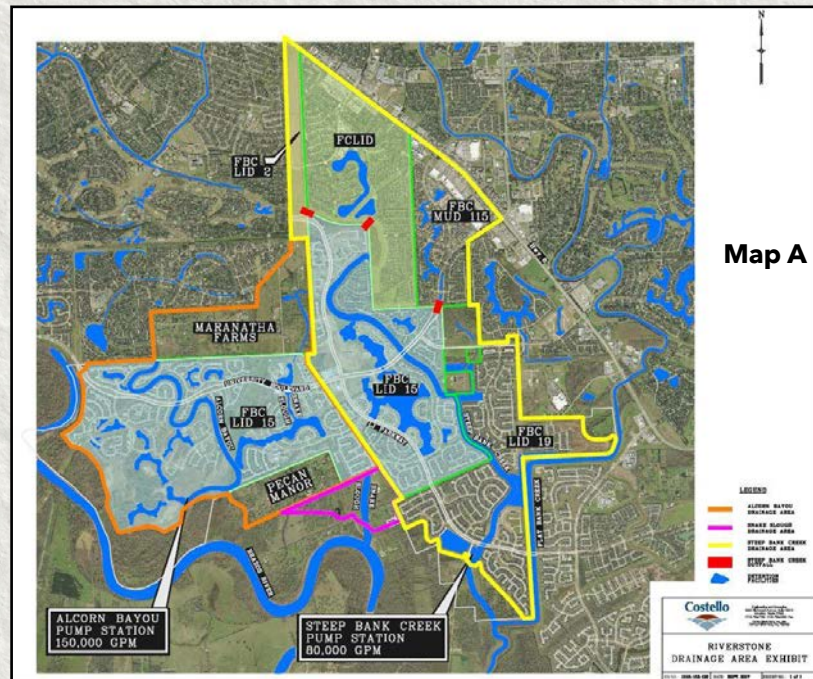
Steep Bank Creek watershed: Area in yellow

LID 19 is located solely within the Steep Bank Creek watershed.

What is a tributary?

Answer: a creek or stream flowing into a more massive river or lake.

The three watersheds are



Map A

named for the tributaries they surround- Alcorn Bayou, Snake Slough, and Steep Bank Creek. Map A above labels these tributaries that flow into the Brazos River.

The Brazos River, tributaries, retention lakes, and ditches are in blue.

What is a levee?

Answer: an embankment (a wall or bank of earth) established to prevent the overflow of a river.

Levee systems have been constructed in this area to protect naturally low-lying land from rising Brazos River waters. A levee system protects homes in LID 19.

The levee system protected the homeowners during the last several rain events,

including Harvey, by preventing the river from flowing freely into the residential area.

Map B (on page 4) shows levee boundaries in green.

What is a pump station?

Answer: facilities, including pumps and equipment, for

pumping water from inside the levee back into the Brazos River.

LID 19 has a pump station located within the Steep Bank Creek watershed.

During the last several rain events, including Harvey, the pump station operated at full capacity pumping water back out into the river.

Steep Bank Creek pump station

Current pumping capacity—

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FLOOD INSURANCE AND RISK RATING 2.0



FEMA

The National Flood Insurance Program is administered by FEMA, which is the entity charged with determining rates (premiums) for individual flood insurance policies. Historically, FEMA has developed rates based predominantly on Flood Insurance Map Rate (FIRM) zones and base flood elevation. However, FEMA has announced that it intends to rehaul its methodology for determining individual flood insurance rates through a program called Risk Rating 2.0.

FEMA has indicated that Risk Rating 2.0 will be implemented in 2021, with new premiums going into effect by October 2021. However, at this time, the actual components of Risk Rating 2.0 remain unknown. Initial announcements on

Risk Rating 2.0 indicate that FEMA will take into consideration (among other factors) distance from potential flood source and cost to rebuild. If sufficient consideration is not given for the quality of flood protection afforded by local levee systems (such as the one protecting LID 19), individual homeowner flood insurance premiums within areas, such as LID 19, could increase due to Risk Rating 2.0.

LID 19, together with Fort Bend County Precinct 4 Commissioner Ken DeMerchant, support efforts to require FEMA to provide

transparency and opportunity for stakeholder input in developing Risk Rating 2.0 prior to its adoption and implementation. As an interested member of the community, if you would like to support this effort, you may sign the commissioner's petition (with a copy of his letter to Congress) at this link:

[https://
www.fortbendcountytexas.gov/
.../com.../fema-risk-
rating-2-0](https://www.fortbendcountytexas.gov/.../com.../fema-risk-rating-2-0)

For more information:

https://www.fema.gov/.../Risk_Rating2.0_Overview_May2019.pdf

https://www.fema.gov/.../Risk_Rating_Leave_Behind_FAQs_May_20...



BOARD TO KEEP THE TAX RATE UNCHANGED

At the September 27th board meeting, LID 19 Directors voted to maintain the District's 2018 tax rate of 68 cents per \$100 of assessed value for the 2019 tax year.

The District is primarily responsible for overseeing storm drainage and maintaining the levee system that protects homes from rising water. The District also continues to implement projects that increase resilience against flooding.

The unchanged tax rate of 68 cents will allow the District to continue to provide these services while also paying down the District's debt.



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Built-in capacity: 4 pumps x 20,000 gpm = 80,000 gpm

Supplemental capacity: 12 pumps of varying capacity totaling 81,000 gpm

LID 15 and LID 19 are in the progress of expanding the pumping capacity.

Expansion: 3 built-in pumps x 50,000 gpm = 150,000 gpm

The project is currently in the design phase.

Upon completion of this expansion, the pump station's built-in capacity will be 230,000 gpm.

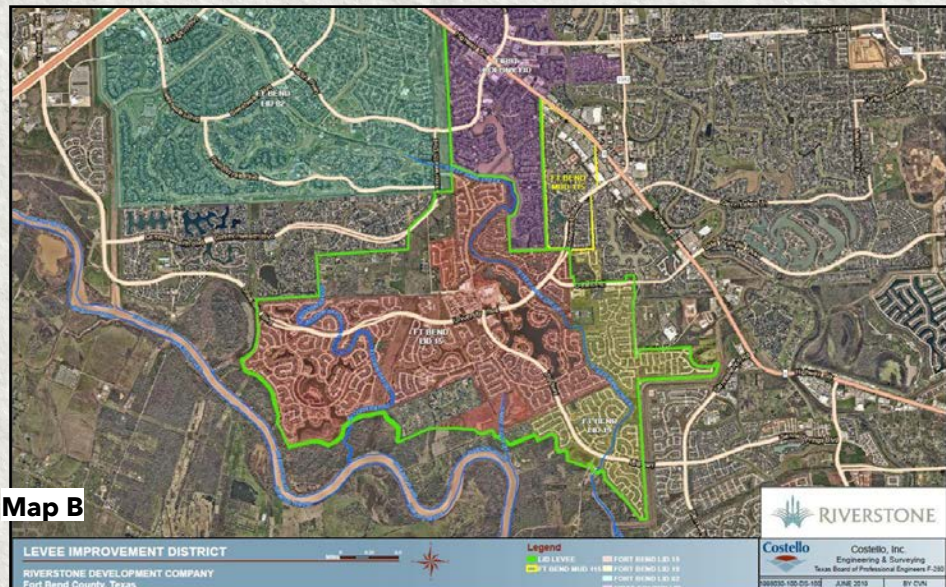
What additional pumps did LID 19 purchase after the Hurricane Harvey Rainfall event?

LID 15 and LID 19 jointly purchased additional portable pumps to have on hand to provide additional pumping capacity in future events. These pumps provide an additional 81,000 gpm capacity.

Residents witnessed these pumps 'in action' during the recent May rainfall event.

LID 15 and LID 19 are also jointly expanding the pump station at Steep Bank to add three additional pumps totaling 150,000 gpm capacity.

The LID 19 Board of Directors continues to work

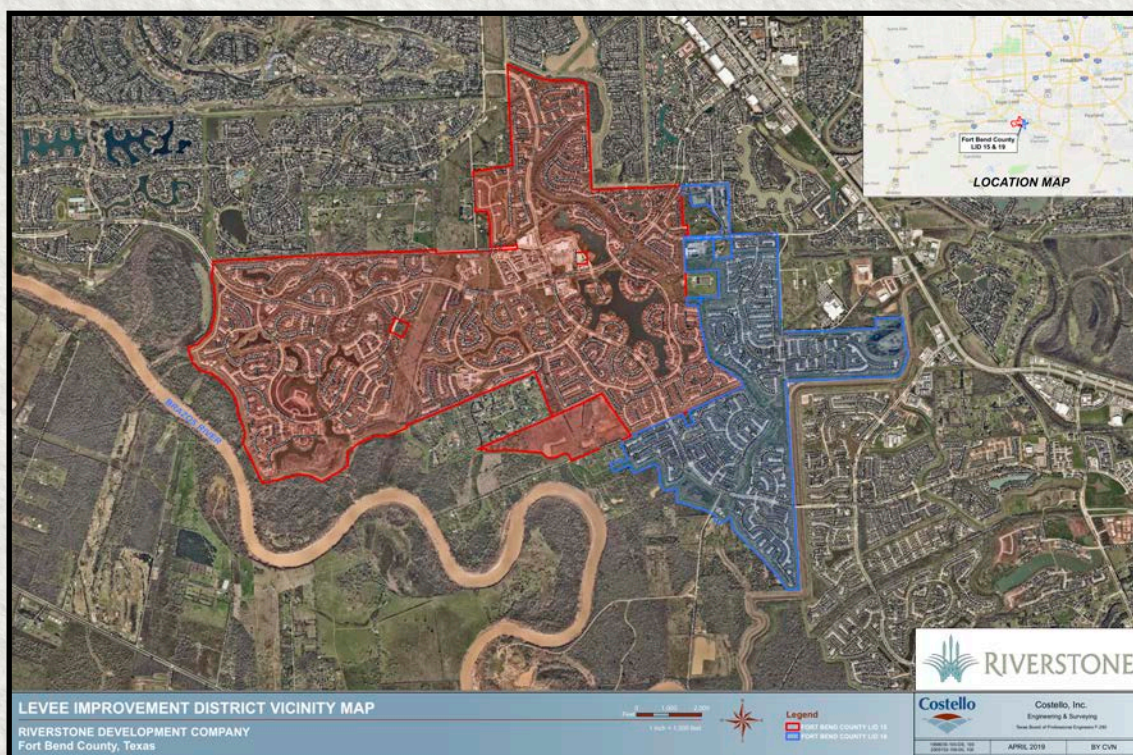


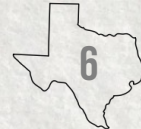
together to provide maintenance and expansion as well as an understanding for the protection of property owners. Residents are encouraged to follow Facebook and the LID 19 website to stay informed.

FOUNDING PRINCIPALS FROM PAGE 1

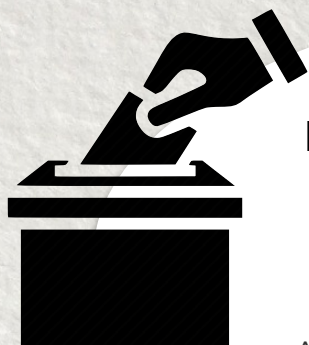
1. Maximize flood prevention and control within LID 19 within the constraints of available financial and operational resources.
2. Maintain levees and other related flood-protection infrastructure in excellent condition.
3. Identify and execute projects efficiently to improve flood prevention and control within LID 19.
4. Engage qualified providers and vendors of services (engineering, operating, accounting, legal, etc) necessary for LID 19 operations and conduct periodic evaluation of the competitiveness and quality of services provided.
5. Manage and monitor LID 19's finances, including active review of budgets, expenditures, revenues, and long-term financial planning.
6. Consider ways to accomplish cost savings while maintaining quality of services or products to potentially reduce LID 19's tax rates.
7. Maintain effective communications with LID 19 residents and other governmental entities, including Fort Bend County, Missouri City, Sugar Land, and other levee improvement districts, during both normal operations and during severe weather or potential flood events.
8. Monitor potential changes in federal and state laws and regulations and evaluate any potential impact on the LID 19's residents.
9. Minimize or avoid expenditures or resources that do not relate to legally binding requirements or issues unrelated to flood control and water management, such as "quality of life" or "convenience" issues.

Residents are encouraged to attend board meetings held each month at Muller Law Group (202 Century Square Blvd, Sugar Land, TX 77478) unless otherwise noted, on the 4th Friday of each month at 8:30 AM. Information about the district can also be found on the District Website, <http://www.fblid19.com> and Facebook page.





CONTACT US



FORT BEND COUNTY LEVEE IMPROVEMENT DISTRICT NO. 19 ELECTED OFFICIALS AND TERMS

President - Kalapi Sheth (Precinct 1), to 05/2020
Vice-President - Dean Cooper (Precinct 4), to 05/2020
Assistant Vice-President - Glenn Wong (Precinct 2), to 05/2022
Secretary - Radhika Iyer (Precinct 5), to 05/2022
Assistant Secretary - John Arndt (Precinct 3), to 05/2022



DISTRICT MAILING ADDRESS AND TELEPHONE NUMBER

Fort Bend County Levee Improvement District No. 19
c/o The Muller Law Group, PLLC, 202 Century Square Boulevard
Sugar Land, Texas 77478
(281) 500-6050



DISTRICT WEBSITE AND SOCIAL MEDIA CONTACT

Website: www.fblid19.com
Facebook page: <https://www.facebook.com/FortBendLID19>

MEETINGS - The Board of Directors meets each month. The meetings generally take place at the offices of Muller Law Group, PLLC, 202 Century Square Boulevard, Sugar Land, Texas 77478 and start at 8:30 a.m.

Dates and times are subject to change.

FORT BEND COUNTY LEVEE
IMPROVEMENT DISTRICT 19

Fort Bend Levee Improvement District No. 19
c/o The Muller Law Group, PLLC
202 Century Square Boulevard
Sugar Land, Texas 77478

