

# **Attachment A**

## **Outreach Materials**

- Media Outreach
- Public Meeting Informational Handout
- Public Meeting Display Boards
- Public Meeting Presentation
- Public Meeting Attendance Card
- Public Meeting Attendance Record
- Comment Card

## **Attachment C**

### **Public Notices for Scoping Period and Public Meetings**



# Harris County Flood Control District signs Addicks and Barker resiliency study agreement

Published Oct. 10, 2018

**HOUSTON** -- The Harris County Flood Control District (the Flood Control District) joined its federal partner, the U.S. Army Corps of Engineers (USACE), in signing a Feasibility Cost Sharing Agreement (FCSA) for a comprehensive study of the Addicks and Barker Reservoirs and surrounding watersheds. The \$6 million study will include Buffalo Bayou and its tributaries and USACE will serve as the lead agency. The signing of the FCSA marks the beginning of a three-year study period in which USACE, with input from the Flood Control District, will evaluate and recommend projects and operational changes to improve the effectiveness of the reservoirs in reducing flood risks upstream and downstream. The public will be engaged at intervals throughout the study. Over the next year, the study team will focus on identifying and evaluating alternatives, and developing a recommended plan for more detailed analysis.

Although the reservoirs are owned, operated and maintained by USACE, the Flood Control District is responsible for other flood control infrastructure throughout Harris County, including tributaries upstream and receiving channels downstream of the reservoirs. The study will provide critical information for the USACE, Flood Control District, and the public to help identify and minimize flood risks upstream and downstream of the reservoirs.

"The Flood Control District is excited to launch this long-awaited study and to continue its successful partnership with USACE under this agreement," said Russ Poppe, Executive Director of the Flood Control District. "With the agreement signed as well as the team and funding in place, we are poised to move forward with the study and toward implementation."

The agreement for the \$6 million, three-year study was approved by Harris County Commissioners Court on October 9. Under the provisions of the Bipartisan Budget Act of 2018 (BBA 2018), which was signed into law on February 9, the study will be fully funded by the federal government. The agreement therefore does not commit local funds to the study, but does formally recognize the Flood Control District as a working partner. BBA 2018 also provides that projects identified by the study may be eligible for construction funding provided by the Act.

"We are very excited to sign the FCSA with the HCFCD for the Buffalo Bayou and Tributaries Resiliency Study," said Col. Lars Zetterstrom, commander, Galveston District Corps of Engineers. "While this study will be at full federal expense, we welcome partnering with the Harris County Flood Control District to enhance the study and ensure our alternatives proposed have the full participation and involvement of the District as the non-federal sponsor and other federal, state, county and local governmental and non-governmental partners."

## ABOUT ADDICKS AND BARKER RESERVOIRS

The Addicks and Barker reservoirs were built in the 1940s as part of a federal project to reduce flooding risks along Buffalo Bayou, which runs west to east through downtown Houston. The U.S. Army Corps of Engineers (USACE) completed construction of Addicks Dam in 1948 and Barker Dam in 1945. USACE owns, operates and maintains the reservoirs, including leases or permits for some compatible recreational uses within the basins.

Operation of the outlet facilities controls discharges from the reservoirs into Buffalo Bayou. Environmentally-sensitive areas and a wide range of wildlife habitats exist within the reservoir boundaries and along the upper tributary reaches that extend into the Katy Prairie.

## ABOUT THE HARRIS COUNTY FLOOD CONTROL DISTRICT

The Harris County Flood Control District provides flood damage reduction projects that work, with appropriate regard for community and natural values. With more than 1,500 bayous and creeks totaling approximately 2,500 miles in length, the Flood Control District accomplishes its mission by devising flood damage reduction plans, implementing the plans and maintaining the infrastructure. To learn more about the Flood Control District, visit [www.hcfcd.org](http://www.hcfcd.org) or follow us on Twitter @HCFCD for all the latest #HCFCDnews.

## USACE GALVESTON

The USACE Galveston District was established in 1880 as the first engineer district in Texas to oversee river and harbor improvements. The district is directly responsible for maintaining more than 1,000 miles of channel, including 270 miles of deep draft and 750 miles of shallow draft as well as the Colorado River Locks and Brazos River Floodgates.

Learn more about the Texas coast at <http://www.swg.usace.army.mil/Missions/TexasCoastValuetheNation.aspx>. For news and information, visit [www.swg.usace.army.mil](http://www.swg.usace.army.mil). Find us on Facebook, [www.facebook.com/GalvestonDistrict](http://www.facebook.com/GalvestonDistrict) or follow us on Twitter, [www.twitter.com/USACEgalveston](http://www.twitter.com/USACEgalveston).

###

## Contact

LTC Mark T. Williford  
409-766-3005  
Galveston.TX.PublicAffairs@usace.army.mil

Release no. 18-048

Addicks and Barker

Addicks and Barker dams and reservoirs

Addicks Reservoir





**DEPARTMENT OF THE ARMY**  
GALVESTON DISTRICT, CORPS OF ENGINEERS  
P. O. BOX 1229  
GALVESTON, TEXAS 77553-1229

April 16, 2019

**Public Notice**

**BUFFALO BAYOU AND TRIBUTARIES RESILIENCY STUDY**

Interested parties are hereby notified that the U.S. Army Corps of Engineers (USACE) Galveston District is initiating the National Environmental Policy Act (NEPA) process, pursuant to NEPA of 1969, for the Buffalo Bayou and Tributaries Resiliency Study (BBTRS).

The USACE, in partnership with Harris County Flood Control District (HCFCD), has initiated the BBTRS which will investigate the causes of flooding and develop alternatives that could reduce the risk of flooding along the Buffalo Bayou and its tributaries, in Harris and Fort Bend Counties, Texas. The study will also complete a Dam Safety Modification Evaluation on the Addicks and Barker Dams. Alternatives that may be considered as a means to reduce flooding or address dam safety concerns could include structural solutions, such as tunnels, bypass channels, diversions, levees, detention, auxiliary spillway improvements, operational changes, or a new reservoir; and non-structural solutions, such as property acquisition, flood warning systems, and flood proofing.

The Study is being conducted under Section 216 of the Flood Control Act of 1970 (Public Law 91-611) and existing project authority. Section 216 allows USACE to review completed navigation, flood control, and water supply projects in which there have been significant changes in the physical or economic conditions since they were first constructed. Since the Addicks and Barker Dams were constructed in the 1940s, a number of physical improvements and operational changes to the project have been implemented in response to steady growth of the Houston metropolitan area. However, the watershed continues to experience major flood events, including the most recent and most significant occurring during Hurricane Harvey in 2017.

The USACE invites interested individuals and organizations to attend one of the five scheduled Public Scoping Meetings that will be held at the following dates and locations:

Tuesday, April 30, 2019

5:00 – 8:00 pm  
Kingsland Baptist Church  
Activity Center  
20555 Kingsland Blvd  
Katy, TX 77450

Thursday, May 2, 2019

5:00 – 8:00 pm  
Saint John Vianney Catholic Church  
Activity Center  
625 Nottingham Oaks Trail  
Houston, TX 77079

Tuesday, May 7, 2019

5:00 – 8:00 pm  
Trini Mendenhall Community Center  
1414 Wirt Rd  
Houston, TX 77055

Wednesday, May 8, 2019

5:00 – 8:00 pm

University of Houston Downtown  
Wilhelmina Cullen Robertson Auditorium  
3<sup>rd</sup> Floor (Main Street Level) of Academic  
Building\*  
1 Main St., A350  
Houston, TX 77002

Thursday, May 9, 2019

6:00 – 9:00 pm\*

Cypress Ridge High School  
9<sup>th</sup> Grade Cafeteria  
7900 N Eldridge Parkway  
Houston, TX 77041

\*Presentation given at 6:30, 7:30 and 8:30

\*Visitor Parking available at  
201 Girard St, Houston, TX 77002

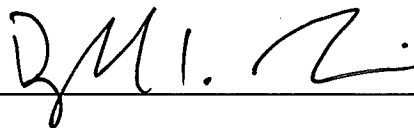
The meetings will follow an open house style format in which display boards describing the problems, purpose and need, and study process will be available for review. A formal presentation will be given at 5:30, 6:30, and 7:30 pm, unless otherwise noted above, and last about 30 minutes; however, there will not be a formal question and answer session during the presentation. Staff will be available to answer questions and take comments throughout the evening. All material presented will be the same for each meeting.

The USACE is soliciting comments from the public regarding the scope of the study, potential alternatives that should be considered, and environmental resources and impacts that should be addressed during the study process. Comments will be accepted during the 30-day scoping period beginning on April 29, 2019. Comments received will be used in the development of the EIS in accordance with the National Environmental Policy Act (NEPA). Comments can be provided in one of three ways:

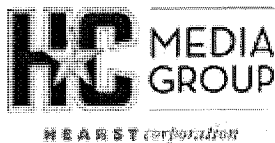
- Fill out a comment card at any of the Public Scoping Meetings
- Submit electronically to: [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil)
- Mail to: USACE, Galveston District, Attn: BBTRS, P.O. Box 1229, Galveston, TX 77553-1229

For additional information on the study, visit the USACE Galveston website at:

<https://www.swg.usace.army.mil/Missions/Projects/Buffer-Bayou-and-Tributaries-Resiliency-Study/>



Douglas C. Sims, PMP, RPA  
Chief, Environmental Branch  
Regional Planning and Environmental Center



AFFIDAVIT OF PUBLICATION

STATE OF TEXAS:

Before me, the undersigned authority, a Notary Public in and for the State of Texas, on this day personally appeared, the Newspaper Representative at the HOUSTON CHRONICLE, a daily newspaper published in Harris County, Texas, and generally circulated in the Counties of: HARRIS, TRINITY, WALKER, GRIMES, POLK, SAN JACINTO, WASHINGTON, MONTGOMERY, LIBERTY, AUSTIN, WALLER, CHAMBERS, COLORADO, BRAZORIA, FORT BEND, GALVESTON, WHARTON, JACKSON, and MATAGORDA and that the publication, of which the annexed herein, or attached to, is a true and correct copy, was published to-wit:

U.S. ARMY CORPS OF ENGINEERS      0000192915      HC066671323  
RAN A LEGAL NOTICE  
SIZE BEING: 4 x49 L

Product	Date	Class	Page
Houston Chronicle	Apr 25 2019	Legal Notices	B 4

Victoria Bond A R Clut  
NEWSPAPER REPRESENTATIVE

Sworn and subscribed to before me, this 25th Day of April A.D. 2019

Charles E Walichowski  
Notary Public in and for the State of Texas



**Public Notice****BUFFALO BAYOU AND TRIBUTARIES RESILIENCY STUDY**

Interested parties are hereby notified that the U.S. Army Corps of Engineers (USACE) Galveston District is initiating the National Environmental Policy Act (NEPA) process for the Buffalo Bayou and Tributaries Resiliency Study (BBTRS). The study will investigate the causes of flooding and develop alternatives that could reduce the risk of flooding along the Buffalo Bayou and its tributaries, in Harris and Fort Bend Counties, Texas. The study will also complete a Dam Safety Modification Evaluation on the Addicks and Barker Dams.

The USACE invites interested individuals and organizations to attend one of the five scheduled Public Scoping Meetings:

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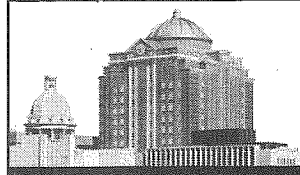
\*Presentation at 6:30, 7:30 and 8:30

The meetings will follow an open house style format in which display boards will be available for review throughout the evening. A formal presentation will be given at 5:30, 6:30, and 7:30 pm, unless otherwise noted above, and last about 30 minutes. There will not be a formal question and answer session during the presentation. Staff will be available to answer questions and take comments throughout the evening. All material presented will be the same for each meeting.

The USACE is soliciting comments from the public regarding the scope of the study, potential alternatives that should be considered, and environmental resources and impacts that should be addressed during the study process. Comments should be postmarked by May 31, 2019 for consideration during the formulation and technical analyses phase. Comments can be provided in one of three ways:

- Fill out a comment card at any of the Public Scoping Meetings
- Submit electronically to: [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil)
- Mail to: USACE, Galveston District, Attn: BBTRS, P.O. Box 1229, Galveston, TX 77553-1229

**For additional information on the study, visit: <https://www.swg.usace.army.mil/>**



# Legal Notices

**LEGAL NOTICES**

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**BIDS & PROPOSALS**

**LEGAL NOTICE**

In accordance with Chapter 34 of the City of Houston Code of Ordinances, the Houston Police Department gives notice that within the next 30 days it expects to petition a municipal court to dispose of property that is currently held in the below listed cases. If you believe that you may have a claim to any property held in one of these cases, or if your name is listed next to one of these cases, you are urged to contact the division concerned as listed below. The persons or businesses identified in this notice may have a potential claim, but are in no way guaranteed to be awarded any of the property being held. Those persons or businesses listed are not necessarily criminal defendants, suspects or the targets of any investigation.

Cases being submitted by the **Burglary and Theft Division**:

112074-18	Jose Martinez	1125074-18	Patricia Jimenez
483135-17	Stephen Blévens	483135-17	EZ Pawn
877455-18	Charletha Johnson	877455-18	Valu Pawn
1162145-18	Colin Humphreys	1299475-18	Pavnuty Abraham
1310176-18	Elmer Gonzalez	204091-18	Spring Branch Jewelry
1456677-17	Latresha Olaosebikan	1456581-18	Jeannette Gomez
1322313-17	Calvin Irvin	1258748-18	Albert Cantu
1258563-18	Layla Jones	1018118-18	Jose Sosa
1133545-18	Rodderick Jones	1437446-18	Game Stop

Any questions regarding the information contained in this notice for the above listed case numbers should be directed to the **Burglary and Theft Division Property Detail** at 713-308-0900.

Cases being submitted by the **Robbery Division**:

1378623-18	Gustavo Huerfa	1378623-18	Dumontray Keller
1466414-18	Tina Garcia	1466414-18	Erik Lopez
732315-18	Jesus Guajardo	732315-18	Hermeldia Guajardo
1611035-18	Graciela Hernandez	1611035-18	Daniel Oliveros
331160-14	Belayhun Zdisu	331160-14	Norma Garza
1339484-18	Cesar Limon	1339484-18	Mailen Benito
1500562-16	Bayou Pawn #8	1500562-16	Melanie Spradling
448478-18	Michael Leared	1197988-18	Bayou Pawn #8
181570-18	Victor Lara Lagunes	1392828-18	Willie Caguana
780037-17	Marcelino Ramos	66689-19	Alex Rose
1185859-18	Alfonso Hervert Zuniga		

Any questions regarding the information contained in this notice for the above listed case numbers should be directed to the **Auto Theft Division** at 713-308-3500.

**Public Notice**

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**INVITATION TO BID**

Sealed bids in duplicate add in the offices of Jones|Carter Texas 77401, until 10:00 a publicly opened and read for and performing all work req. **LIFT STATION NO. 2 IMPROV** The project is located 12910 Each bid must be accompanied cashier's check or a five per amount. Make the cashier's Plans, specifications, and bid com. Said documents may Jones|Carter, 6330 West Loop South, Bellaire, Texas, April 25th, 2019. Attendance The Owner reserves the right irregularities. No bid may be the date bids are open. This project will be federal ment (HUD) Department thr Department (HCCSD). App compliance with Davis-Baco Opportunity, Affirmative Act contracting with small, mino project manual.

**Request for Proposal - Hou Compliance Risk Assessment** H-GAC is seeking a qualified process improvement assess associated implementation. To view/download the RFP procurement Submit to: Procurement - M Deliver: 3555 Timmons Lane May 13, 2019 @ 3 P.M. Central

**LEGAL NOTICES**

**WEST HARRIS**

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The Board of Director District No. 5 (the "Dis on up to \$5,615,000 U "Bonds") on Thursda Time, at the offices of Parkway, Suite 2370, Directors meeting on ton Time, at the Dis Young & Brooks, 100 Texas 77024, the Boa any and all bids or acc interest cost to the Dis

A bid for the Bonds may, by telephone or de envelope addressed to West Harris County above address of Ma submit a signed "Offic in the amount of \$112 County Municipal Util Additional terms and bid for the Bonds are

The Bonds will matur 2043 and will be dat Sale." "Preliminary Or may be obtained from Masterson Advisors L Houston, Texas 77027 to sell the Bonds but i required by Texas law by means of the "Offic Official Statement," ar

Mr. Robert Ol President, Co West Harris C Harris County

In accordance with Federal nonprofit, private schools, w that the district will be makin school-year. Federal funds a federal guidelines. The meet of district boundary school

the Dr. Wanda Isambert Teaching Theater #1, 998 you are interested in partic 985-6954 to request eligib

- Fill out a comment card at any of the Public Scoping Meetings
- Submit electronically to: [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil)
- Mail to: USACE, Galveston District, Attn: BBTRS, P.O. Box 1229, Galveston, TX 77553-1229

For additional information on the study, visit: <https://www.swg.usace.army.mil/>

#### BIDS & PROPOSALS

##### INVITATION TO BID

Sealed bids in duplicate addressed to Rochester Enterprises, LLC, on behalf of Newport Municipal Utility District will be received in the offices of Rochester Engineering, 9421 FM 2920, Building 5F, Tomball Texas 77375, until **10:00 a.m., May 2, 2019**. Bids will be opened for:

**Water, Sanitary Sewer, Drainage and Detention to serve**

**Newport Sections 6 & 10 - REBID**  
**Newport Municipal Utility District**  
**Project No. 2018-1001 & 2018-1002**

There will be **NO PRE-BID CONFERENCE** for this project.

Each bid must be accompanied by a Certified or Cashier's Check, from a responsible bank in the State of Texas, or a Bid Bond, issued by a surety legally authorized to do business in the State of Texas, equal to five percent (5%) of the total bid amount. Make the Cashier's or Certified Check or Bid Bonds payable to the Owner. The successful bidder will be required to provide a performance bond and payment bond, as provided for in the bid documents, for the full amount of the contract. The above described construction will be performed in accordance with plans and specifications and any addenda thereto which may be issued prior to the opening of bids. Plans, specifications and bid documents may be obtained at the CivCast USA Website ([www.CivCastUSA.com](http://www.CivCastUSA.com)). Documents are also available for review at the office of the Engineer. ATTENTION: Pursuant to Texas Government Code 2252.908, you must be able to provide Newport Municipal Utility District with a printed, executed and notarized original of a completed Certificate of Interested Parties form (Form 1295) with the bid. Failure to do so will result in the District's inability to execute the contract. To complete the disclosure of interested parties form, or for further information, please visit the Texas Ethics Commission's website at <https://www.ethics.state.tx.us>.

The Owner reserves the right to reject any or all bids or to accept any bid deemed advantageous to it and waive informalities in bidding. No bid may be withdrawn until the expiration of 60 days from the date bids are open. All bids received after the above designated closing time will be returned to the Contractor unopened.

##### INVITATION TO BIDDERS

Sealed Bids, in duplicate, addressed to Dannenbaum Engineering Corp. will be received at the office of Dannenbaum Engineering Corporation, 3100 West Alabama, Houston, Texas 77098 (Tel. 713/520 9570) until **10:00 A.M.**, local time, **FRIDAY, MAY 3RD, 2019**, and then publicly opened and read for "Dellrose Section 6 in Harris County MUD 319, in Harris County, TX"

Scope of Work of the Contract includes the following: Water Distribution, Sanitary Sewer, and Storm Water Collection.

Bids received after the closing time will be returned unopened. A **NON-MANDATORY** pre-bid conference will be held on **FRIDAY, APRIL 26TH, 2019, AT 10:00 A.M.**, local time, at the office of Dannenbaum Engineering Corp. Each prospective bidder or its representative is encouraged to attend but is not mandatory.

Each Bid must be accompanied by a Bid Bond or a certified or cashier's check, acceptable to the Owner, in an amount not less than five percent (5%) of the total amount Bid, as a guarantee that the successful bidder will enter into the Contract and execute the Bonds on the forms provided, and provide the required insurance certificates within seven (7) days after the date Contract Documents are received by the Contractor.

Complete bidding documents are available for download at [www.civcastusa.com](http://www.civcastusa.com). Bidders must register on this website in order to view and/or download specifications, plans, soils report, and environmental reports for this Project. There is **NO** charge to view or download documents.

The Owner reserves the right to reject any or all Bids and to waive all defects and irregularities in bidding or bidding process except time of submitting a Bid. The Successful Bidder, if any, will be the responsible Bidder which in the Board's judgment will be most advantageous to the District and result in the best and most economical completion of the Project.

**Chronicle Classifieds Where More People Go To Work 713-224-6868**

#### BIDS & PROPOSALS

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#### BIDS & PROPOSALS

##### Advertisements for 4/25/19 & 5/2/19:

Lone Star College Bid Requests:  
 ● RFP #627 Accreditation Software Solution for Lone Star College. Due: 5/16/2019 @ 10 AM. Online WebEx pre-proposal meeting will be held on May 3, 2019, at 10 AM; call-in number 832-813-6703. Contact [christine.y.campos@lonestar.edu](mailto:christine.y.campos@lonestar.edu) 832-813-6873. Must register to bid: <http://wwwappsdstc.lonestar.edu/istar/supplier.htm>.

#### LEGAL NOTICES

#### LEGAL NOTICES

##### STATE OF WISCONSIN

CIRCUIT COURT  
 Branch 1  
 OZAUKEE COUNTY  
 ANTHONY S. FOTE  
 938 Glenlyon Lane  
 Port Washington, WI 53074,  
 LISA MARIE FOTE  
 938 Glenlyon Lane  
 Port Washington, WI 53074,  
 BANK OF AMERICA, NATIONAL ASSOCIATION  
 100 North Tryon Street  
 Charlotte, NC 28202,  
 Case No. 10-CV-36  
 Code: 30405 Other Real Estate  
 Petitioners,  
 vs.  
 BROOKSTONE MORTGAGE SERVICES, LP  
 10497 Town & Country Way, Suite 810  
 Houston, TX 77024,  
 Respondent.

##### SUMMONS FOR PUBLICATION

THE STATE OF WISCONSIN  
 To: Brookstone Mortgage Services, LP  
 10497 Town & Country Way, Suite 810  
 Houston, TX 77024

You are hereby notified that the petitioner named above has filed a lawsuit or other legal action against you.

Within forty (40) days after April 25, 2019, you must respond with a written demand for a copy of the Verified Petition for Discharge of Mortgage (the "Verified Petition"). The demand must be sent or delivered to the Court, whose address is 1201 South Spring Street, Port Washington, Wisconsin 53074, and to Stroud, Willink & Howard, LLC, petitioner's attorneys, whose address is 33 East Main Street, Suite 610, Madison, Wisconsin 53701-2236. You may have an attorney help or represent you. If you do not demand a copy of the Verified Petition within forty (40) days, the Court may grant judgment against you for the award of money or other legal action requested in the Verified Petition, and you may lose your right to object to anything that is or may be incorrect in the Verified Petition. Judgment may be enforced as provided by law. A judgment awarding money may become a lien against any real estate you own now or in the future and may also be enforced by garnishment or seizure of property.

Dated this 23rd day of April, 2019.  
 STROUD, WILLINK & HOWARD, LLC  
 By: electronically signed by Norman D. Farnam  
 Norman D. Farnam  
 State Bar No. 1034732  
 Attorneys for Petitioners  
 33 East Main Street, Suite 610  
 P.O. Box 2236  
 Madison, WI 53701-2236  
 (608) 257-2281

##### Retirement announcement

**Richard Edwin Pitts, M.D.**  
 After 43 years of hard work and dedication Dr. Pitts is announcing his retirement effective June 1, 2019. He would like to thank the Houston Community for the support and loyalty. Dr. Pitts will continue to see patients until May 31, 2019, after this date the practice will be turned over to Dr. Yasir Ahmed M.D. He will serve as your new physician and custodian of medical records.  
 7710 Beechnut, Suite 100  
 Houston, TX. 77074  
 (713) 777-7145

**Storage Auction at Stashable:** 3502 Bissonnet St, Houston, TX 77005. Saturday, May 11, 2019 at 10am. Unit Williams: Mattress, 2 Sofas, TV Stand, Dresser, Headboard, Set of Bed Rails, Unit Brown: 17 Storage Bins, 2 Suitcases, Tote Bag

**Place Your Ad with Houston's Leader Chronicle Classifieds 713-224-6868**

#### NOTICE TO CREDITORS

# Notice Creditor A \$74.

Call the Leg  
 713-224-  
 Ext. 6435  
 \*\$74.00 include  
 and 1 Affidavit  
 \*\$1.92 per line

#### NOTICE TO CREDITORS

Notice is hereby given that U for the Estate of Calvin Earl issued on March 26, 2019, is pending in the Probate Court Texas to: Melba Ann Alfred having claims against this E being administered are requ the undersigned within the prescribed by law c/o Angela Law, Jackson and Associates 11601 Shadow Creek Parkway Pearland, Texas 77584. Office By: Angela Jackson, Attorney at State Bar No. 24034386 [attorneyajackson@live.com](mailto:attorneyajackson@live.com) Attorney for Applicant

#### BIDS & PROPOSALS

##### SECTION 00020

**NOTICE TO BIDDERS**  
 Sealed bids in duplicate, with **COUNTY MUNICIPAL UTILITY** at the offices of AEI Engineering, Compaq Center Dr., Suite 660 77070, until **TUESDAY, MAY 2:00 P.M.**, at which time all publicly read for furnishing labor and supervision necessary the following:

##### AREA B SANITARY SEWER

The major items of work include main sanitary sewer line and lateral seal installation, including post-television inspection at Each bid proposal must be a Bond from a reliable surety order of **HARRIS COUNTY DISTRICT NO. 102** in the amount (5%) of the total bid. No bid drawn for a period of sixty opening date. The OWNER reject any or all bids, or to accept most advantageous to it. To be required to provide a performance maintenance bond for the full contract.

A Pre-Bid Conference will be held at AEI Engineering, LLC, 11450 Suite 660, Houston, Texas 77070, **MAY 2, 2019 AT 2:00 P.M.** mandatory.

Specifications and Bid Documents are available for download online at <https://www.civcastusa.com> or may be purchased at the offices of 11450 Compaq Center Dr., Suite 660, Houston, Texas 77070, for a non-refundable Business hours are Monday through Friday, 7:30 A.M. until 5:30 P.M. and Saturday, 7:30 A.M. until 11:30 A.M. Telephone 281-291-1145

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# Corps to host public scoping meetings for Buffalo Bayou and Tributaries

HOUSTON --

**(April 16, 2019)** – The U.S. Army Corps of Engineers Galveston District will host five public scoping meetings starting April 30 to inform the public about the Buffalo Bayou and Tributaries Resiliency Study (BBTRS) and to seek input from the public on the study scope, potential alternatives that should be considered, and environmental resources of concern.

“The Corps, in partnership with Harris County Flood Control District, has initiated the BBTRS, which will investigate causes of flooding within the study area and develop alternatives that could reduce the risk of flooding along Buffalo Bayou and its tributaries, in Harris and Fort Bend counties, Texas,” said project manager Andrew Weber, USACE Galveston District. “The study will also complete a Dam Safety Modification Evaluation on the Addicks and Barker Dams.”

According to Weber, staff will work to gather public feedback about significant issues and impacts. All public comments received will be considered in the draft National Environmental Policy Act (NEPA) document prepared pursuant to NEPA of 1969 and USACE regulations.

“Public involvement is an essential part of the NEPA and Federal Feasibility study process, and we encourage dialogue about concerns or issues surrounding the study,” said Weber. “We also work with federal, state, local agencies and other interested organizations to address their concerns.”

The open-house meetings are scheduled as follows:

**April 30, 2019**

**5:00-8:00 p.m.**

**Kingsland Baptist Church  
Catholic Church**

**Activity Center**

**20555 Kingsland Blvd  
Trail**

**Katy, TX 77450**

**May 7, 2019**

**5:00-8:00 p.m.**

**Trini Mendenhall Community Center  
Downtown**

**May 2, 2019**

**5:00-8:00 p.m.**

**Saint John Vianney**

**Activity Center**

**625 Nottingham Oaks**

**Houston TX, 77079**

**May 8, 2019**

**5:00-8:00 p.m.**

**University of Houston**

**1414 Wirt Rd  
Robertson Auditorium**

**Houston, TX 77055  
Level) of Academic**

**May 9, 2019**

**6:00-9:00 p.m.\***

**Cypress Ridge High School, 9<sup>th</sup> Grade Cafeteria**

**7900 N Eldridge Parkway**

**Houston, TX 77041**

**\*Presentation given at 6:30, 7:30 and 8:30**

BBTRS public meetings will follow an open-house style format with display boards describing the study purpose, need, and process. Formal presentations are scheduled for 5:30, 6:30, and 7:30 pm, unless otherwise noted above, and will last approximately 30 minutes.

“Although there will not be a formal question and answer session during the presentation, staff from the Corps and Harris County Flood Control District will be available to answer questions and take comments throughout the evening” said Melinda Fisher, biologist at USACE Galveston District. “All material presented will be the same for each scheduled public meeting.”

Written comments may be filled out on a comment card at any of the public scoping meetings or mailed to USACE, Galveston District, Attn: BBTRS, P.O. Box 1229, Galveston, TX 77553-1229. Comments may also be submitted electronically to [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil). All comments must be received or postmarked by May 31, 2019.

For additional information on the study, visit the USACE Galveston website at: <https://www.swg.usace.army.mil/Missions/Projects/Buffalo-Bayou-and-Tributaries-Resiliency-Study/>

**###USACE###**

Release no. 19-010

**Wilhelmina Cullen**

**3rd Floor (Main Street**

**Building**

**1 Main St., A350**

**Houston, TX 77002**



# buffalo bayou and tributaries



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### Buffalo Bayou and Tributaries Resiliency Study

Wed, May 8, 5:00pm

University of Houston-Downtown, Wilhelmina Cullen Robertson Auditorium, Houston, TX

Free



### Buffalo Bayou and Tributaries Resiliency Study

Tue, May 7, 5:00pm

Trini Mendenhall Community Center, Houston, TX

Free



### Buffalo Bayou and Tributaries Resiliency Study

Thu, May 2, 5:00pm

Saint John Vianney Catholic Church Activity Center, Houston, TX

Free



### Buffalo Bayou and Tributaries Resiliency Study

Thu, May 9, 6:00pm

Cypress Ridge High School, Houston, TX

Free



## Public scoping meeting discussing overview of Buffalo Bayou and Tributaries Resiliency Study

### About this Event

Public meeting to discuss the project overview of the Buffalo Bayou and Tributaries Resiliency Study. Areas of discussion include: Background, Scope, Authorization and Existing Project Authority, Non-Federal Sponsor, Project Study Area and measures Being Considered. Presentations are scheduled for 5:30p, 6:30p, 7:30p.

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#### Date And Time

Thu, May 2, 2019

5:00 PM – 8:00 PM CDT

[Add to Calendar](#)

#### Location

Saint John Vianney Catholic Church Activity Center

625 Nottingham Oaks Trail

Houston, TX 77079

[View Map](#)

**Public scoping meeting discussing overview of Buffalo Bayou and Tributaries Resiliency Study**  
**About this Event**

**Public meeting to discuss the project overview of the Buffalo Bayou and Tributaries Resiliency Study. Areas of discussion include: Background, Scope, Authorization and Existing Project Authority, Non-Federal Sponsor, Project Study Area and Measures Being Considered. Presentations are scheduled for 5:30p, 6:30p, and 7:30p.**

Tags

Things To Do In Houston, TX

Networking

Other

Share With Friends

Date And Time

Tue, May 7, 2019  
5:00 PM – 8:00 PM CDT  
[Add to Calendar](#)

Location

Trini Mendenhall Community Center  
1414 Wirt Road  
Houston, TX 77055  
[View Map](#)

---

**US Army Corps Of Engineers Galveston District**

Organizer of Buffalo Bayou and Tributaries Resiliency Study

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**More Events From This Organizer**



WED, MAY 8 5:00 PM

**Buffalo Bayou and Tributaries Resiliency Study**

University of Houston-Downtown, Wilhelmina Cullen Robertson Auditorium, Houston

FREE

#Networking

## **Public scoping meeting discussing overview of Buffalo Bayou and Tributaries Resiliency Study**

### **About this Event**

**Public meeting to discuss the project overview of the Buffalo Bayou and Tributaries Resiliency Study. Areas of discussion include: Background, Scope, Authorization and Existing Project Authority, Non-Federal Sponsor, Project Study Area and Measures Being Considered. Presentations are scheduled for 5:30p, 6:30p and 7:30p.**

**Visitor parking for this meeting is available at 201 Girard St, Houston, TX 77002**

Tags

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### Date And Time

Wed, May 8, 2019

5:00 PM – 8:00 PM CDT

[Add to Calendar](#)

### Location

University of Houston-Downtown, Wilhelmina Cullen Robertson Auditorium

1 Main St, A 350

3rd Floor of Academic Building

Houston, TX 77002

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### US Army Corps Of Engineers Galveston District

Organizer of Buffalo Bayou and Tributaries Resiliency Study

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TUE, MAY 7 5:00 PM

### Buffalo Bayou and Tributaries Resiliency Study

Trini Mendenhall Community Center, Houston

FREE

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**Public scoping meeting discussing overview of Buffalo Bayou and Tributaries Resiliency Study**  
**About this Event**

**Public meeting to discuss the project overview of the Buffalo Bayou and Tributaries Resiliency Study. Areas of discussion include: Background, Scope, Authorization and Existing Project Authority, Non-Federal Sponsor, Project Study Area and Measures Being Considered. Presentations are scheduled for 6:30p, 7:30p, and 8:30p.**

Tags

Things To Do In Houston, TX

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Date And Time

Thu, May 9, 2019  
6:00 PM – 9:00 PM CDT  
[Add to Calendar](#)

Location

Cypress Ridge High School  
7900 North Eldridge Parkway  
9th Grade Cafeteria  
Houston, TX 77041  
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 Memorial Way  
 Somerset  
 Memorial Thicket

2014

Fleetwood POA  
 Memorial Bend

2013

Memorial Bend  
 Memorial Thicket

2012

Memorial Bend  
 Nottingham Forest HOA  
 Westchester Owners Com  
 Fonn Villas Civic  
 Fleetwood  
 Memorial Thicket

2011

Memorial Bend  
 Mem Dr Acres  
 Westchester Owners  
 Fonn Villas Civic  
 Somerset Place  
 Ethan's Glen  
 Memorial Thicket  
 Barker's Landing  
 Houston Audubon

2010

Yorkshire  
 Ashford Forest  
 Memorial Thicket  
 Barker's Landing

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## Buffalo Bayou Resiliency Study Public Meetings

posted Apr 20, 2019, 12:59 PM by Memorial Super Neighborhood

Via Mark Kirschke:

Attached is the official notice of the five upcoming meetings being hosted by US Army Corps of Engineers (USACE).

Project Page: <https://www.swg.usace.army.mil/Missions/Projects/Buffalo-Bayou-and-Tributaries-Resiliency-Study>

A couple of clarifications:

All comments should be sent to [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil) (NOT to the project manager)

Within each of the 3-hour public meetings will be three (3) presentations, on the half hour. So someone interested in attending can come at 5, 6 or 7:00pm. There will be exhibits around the room to look at, and then the Corps will give a presentation at 5:30pm, 6:30pm, and 7:30pm.

Anyone who wants to comment can pick up a comment card at the meeting, submit by email to [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil) or mail to the Corps in Galveston as per the notice.

Mark F. Kirschke  
 Director of Constituent Services & Communications  
 Greg Travis, Houston City Council Member District G  
 832-393-3007 (Office)

Attachments:

[Public Notice Announcing Scoping Period.pdf](#)

[Buffalo Bayou Study 3-27-19.pdf](#)

## Comments

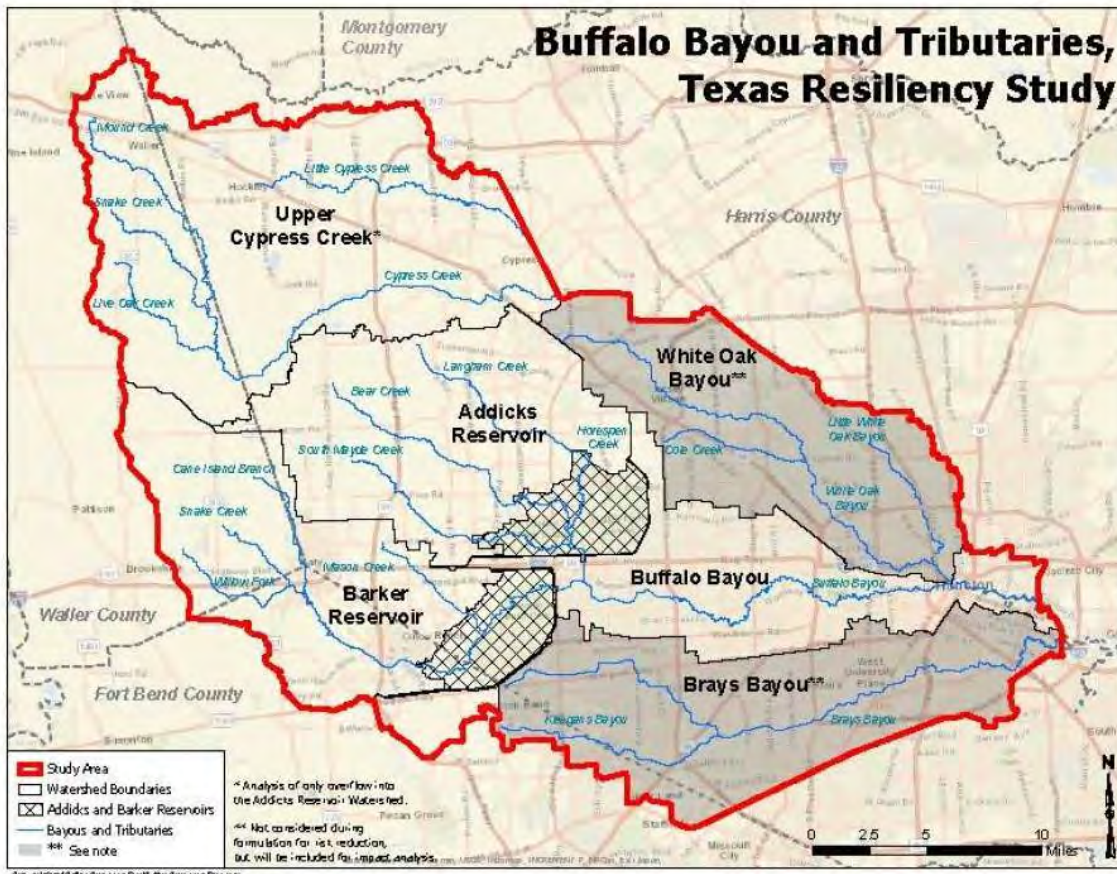
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**Chron** <https://www.chron.com/neighborhood/katy/news/article/Katy-to-host-first-meeting-on-Corps-13781656.php>

## Katy to host first meeting on Corps flood-mitigation study

By **Karen Zurawski** Published 10:00 am CDT, Monday, April 22, 2019



The U.S. Army Corps of Engineers Galveston District will host five public scoping meetings starting April 30 to inform the community about the Buffalo Bayou and Tributaries Resiliency Study and to collect public comments on the study scope, potential alternatives and environmental concerns.

Kingsland Baptist Church in Katy will host the first of five meetings planned by the U.S. Army Corps of Engineers Galveston District on its study that offers short-, mid- and long-term solutions to reduce upstream and downstream flooding risks along the Buffalo Bayou and its tributaries as well as how to improve the Addicks and Barker reservoirs.

The Katy-area meeting will be from 5-8 p.m. April 30 at the church located at 20555 Kingsland Blvd. The meeting will be an open-house format with 30-minute formal presentations scheduled at 5:30, 6:30, and 7:30 p.m. about the Buffalo Bayou and Tributaries Resiliency Study.

### Recommended Video



“Although there will not be a formal question-and-answer session during the presentation, staff from the Corps and Harris County Flood Control District will be available to answer questions and take comments throughout the evening,” said Melinda Fisher, biologist at USACE Galveston District in a news release. “All material presented will be the same for each scheduled public meeting.”

The other meetings are:

May 2 from 5-8 p.m. at St. John Vianney Catholic Church Activity Center, 625 Nottingham Oaks Trail, Houston with presentations at 5:30, 6:30 and 7:30 p.m.



May 7 from 5-8 p.m. at Trini Mendenhall Community Center, 1414 Wirt Road in Houston with presentations at 5:30, 6:30 and 7:30 p.m.

May 8 from 5-8 p.m. University of Houston Downtown, Wilhelmina Cullen Robertson Auditorium, 3rd floor Main Street Level of Academic Building, 1 Main St., A350, Houston with presentations at 5:30, 6:30 and 7:30 p.m.

May 9 from 6-9 p.m. Cypress Ridge High School, 9th grade cafeteria, 7900 N. Eldridge Parkway, Houston with presentations at 6:30, 7:30 and 8:30 p.m.

Marlin Williford said he and Wendy Duncan, co-founders of Barker Flood Prevention, "are very encouraged and excited about the Corps presenting the information in the resiliency study so the community has the opportunity to know what they're doing and to give their input on the studies they're performing."

Visit [www.houstontx.gov/council/g/Bufalo-Bayou-Study-20190327.pdf](http://www.houstontx.gov/council/g/Bufalo-Bayou-Study-20190327.pdf) for more information.

Three primary problems will be addressed by the \$6 million study, according to the USACE: Buffalo Bayou flooding downstream of the reservoirs, flooding upstream of the reservoirs and performance and risk issues related to flow around and over the uncontrolled Barker and Addicks spillways.

Andrew Weber, project manager for the three-year study that began last October, said staff will gather feedback about issues and impacts from the community. There is no preference for mitigating options that involve conveyance versus increased storage, he said in an earlier interview, calling all of them potential tools.

Conveyance, for example, could include construction of a flood tunnel to carry water from the reservoirs under the Katy Freeway to the Houston Ship Channel. Earlier this year, the Harris County Flood Control District provided an \$80,000 match for a \$320,000 federal grant to conduct a tunnel feasibility

Select excavation would provide additional detention capacity in the Barker and Addicks reservoirs. Some local government officials also say they support the more long-term solution of a third reservoir or levee to control overflow from Cypress Creek.

"The purpose of the study is to look at all of them (solutions) unbiased and what is best for the federal investment and for the future of Houston," said Weber.

The schedule calls a tentatively selected plan by April 2020, with a draft report and public review period in June 2020 before a chief's report in October 2021.

All public comments received at the five meetings will be considered in the draft National Environmental Policy Act (NEPA) document prepared pursuant to NEPA of 1969 and USACE regulations.

"Public involvement is an essential part of the NEPA and Federal Feasibility study process, and we encourage dialogue about concerns or issues surrounding the study," said Weber. "We also work with federal, state, local agencies and other interested organizations to address their concerns."

Those unable to attend the meetings may submit written comments and mail them to the USACE, Galveston District, Attn: BBTRS, P.O. Box 1229, Galveston, TX 77553-1229. Comments may also be submitted electronically to [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil). All comments must be received or postmarked by May 31, 2019.

[karen.zurawski@chron.com](mailto:karen.zurawski@chron.com)

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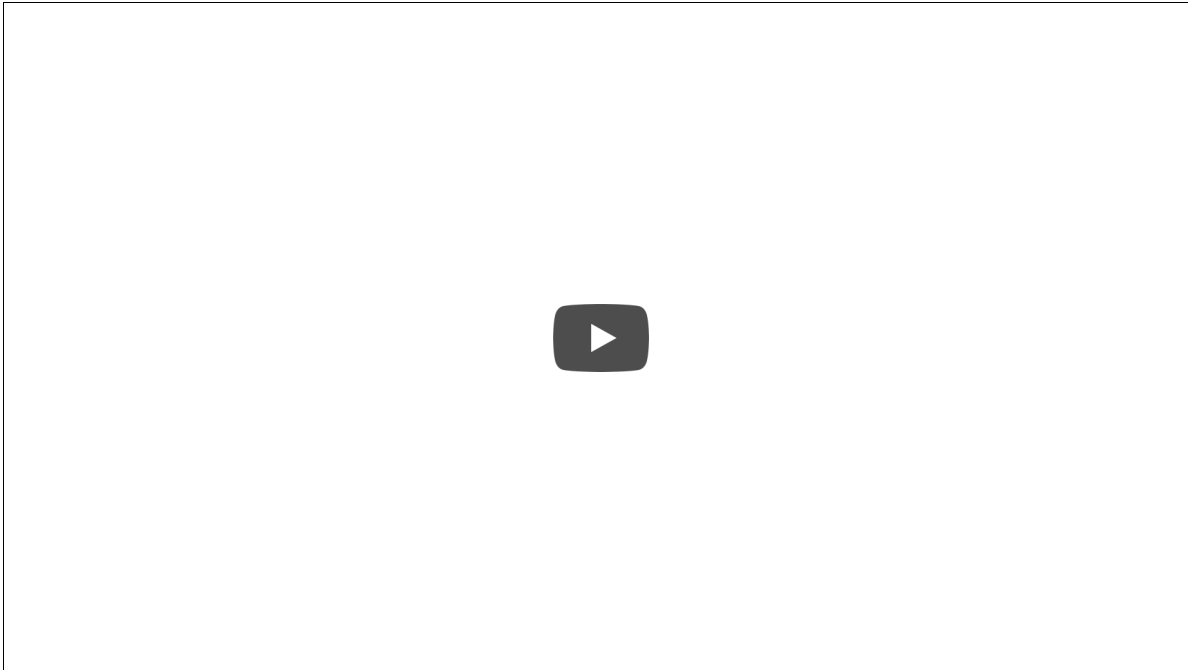
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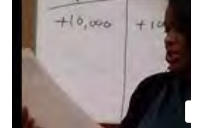
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Excluding with Andrew Weber of the USACE on the BBTR Study

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The U.S. Army Corps of Engineers Galveston District will host five public scoping meetings starting April 30 to inform the public about the Buffalo Bayou and Tributaries Resiliency Study (BBTRS) and to seek input from the public on the study scope, potential alternatives that should be considered,

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**NEWS**

# Corps To Host Buffalo Bayou Scoping Meetings

APRIL 27, 2019 BY WATERWAYS JOURNAL

The Galveston Engineer District will host five public scoping meetings starting April 30 to inform the public about the Buffalo Bayou and Tributaries Resiliency Study (BBTRS) and to seek input from the public on the study scope, potential alternatives that should be considered, and environmental resources of concern.

“The Corps, in partnership with Harris County Flood Control District, has initiated the BBTRS, which will investigate causes of flooding within the study area and develop alternatives that could reduce the risk of flooding along Buffalo Bayou and its tributaries, in Harris and Fort Bend counties, Texas,” said project manager Andrew Weber of the Galveston District. “The study will also complete a dam safety modification evaluation on the Addicks and Barker Dams.”

According to Weber, staff will work to gather public feedback about significant issues and impacts. All public comments received will be considered in the draft National Environmental Policy Act (NEPA) document prepared pursuant to NEPA of 1969 and Corps regulations.

“Public involvement is an essential part of the NEPA and federal feasibility study process, and we encourage dialogue about concerns or issues surrounding the study,” said Weber. “We also work with federal, state, local agencies and other interested organizations to address their concerns.”

The open-house meetings are scheduled as follows:

- April 30, 5-8 p.m.—Kingsland Baptist Church, Katy, Texas;
- May 2, 5-8 p.m.—Saint John Vianney Catholic Church, Houston, Texas;

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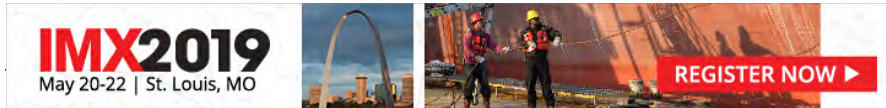
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Search for:

- May 7, 5-8 p.m.—Trini Mendenhall Community Center, Houston, Texas;
- May 8, 5-8 p.m.—University of Houston, Wilhelmina Cullen Robertson Auditorium, Houston, Texas; and
- May 9, 6-9 p.m.—Cypress Ridge High School, Houston, Texas.

Each event will include several formal presentations with time allowed for informal questions. Public comments on the study will be accepted at the meetings, or by mail or email with a May 31 deadline.

For more information on the study, [click here](#).



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TAGS:

[ADDICKS DAM](#), [ANDREW WEBER](#), [BARKER DAM](#), [BBTRS](#), [BUFFALO BAYOU](#), [GALVESTON ENGINEER DISTRICT](#), [HARRIS COUNTY FLOOD CONTROL DISTRICT](#), [RESILIENCY STUDY](#)

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<https://www.chron.com/neighborhood/katy/news/article/THIS-WEEK-National-Day-of-Prayer-slated-for-13799026.php>

## THIS WEEK: National Day of Prayer slated for Thursday

By Roy Kent, Staff writer **Published 9:00 am CDT, Sunday, April 28, 2019**



Katy Christian Ministries' second resale shop will open Wednesday, May 1. The shop will be at Kingsland Plaza, 23232 Kingsland Blvd. in Katy. From left are Christina Wiggins, KCM resale store manager; Dennis Lee, KCM board treasurer and project manager; George Puig, KCM former board president; Deysi Crespo, KCM executive director; and Becce Slinkard, KCM board vice president. Visit [www.kcm.org](http://www.kcm.org) for more information.

The National Day of Prayer is scheduled for Thursday, May 2, and Katy-area churches have joined together to celebrate the event.

More than 50 Katy-area churches and organizations are sponsoring the event, being held this year at Grace Fellowship UMC, located at 2655 S. Mason Road in Katy. This kickoff to three days of prayer will be held at 7 p.m. Thursday.

## Recommended Video



Following the National Day of Prayer event, Fire on the Altar begins three days of prayer — 50 hours of non-stop prayer — from Thursday, May 2, through

Saturday, May 4, at The Epicentre on the campus of Grace Fellowship UMC.

For more information, go to <http://katyprays.org>.

## Elections

Early voting for the May 4 election continues through Tuesday, April 30, for municipal, Katy ISD and various municipal utility districts in the area.

Running for a three-year term as mayor of Katy are incumbent Chuck Brawner and retired Katy police chief William Hastings. Council members running for two-year terms are Steve Pierson and Jenifer Jordan Stockdick for Ward B. Frank O. Carroll III is unopposed for election to his Ward A seat.

The school district ballot has candidates for Position 1 including Rebecca Fox, who now is Position 2 trustee; Donald T. “Duke” Keller Jr.; and Sean Dolan. Incumbent George Scott did not file to run again. Lance Redmon is running unopposed for Position 2.

Harris County residents can visit [www.harrisvotes.com](http://www.harrisvotes.com) to see the May 4 sample ballot. Fort Bend residents can visit <https://tinyurl.com/yxmda2oa> to check May 4 sample ballots and Waller County registered voters can go to <https://tinyurl.com/y59u38xq> for sample ballots.

## Flood mitigation meeting

The first of five meetings planned by the U.S. Army Corps of Engineers Galveston District will be held at Kingsland Baptist Church, 20555 Kingsland Blvd. in Katy from 5 to 8 p.m. Tuesday, April 30.

The meetings focus on the Corps of Engineers study that offers short-, mid- and long-term solutions to reduce upstream and downstream flooding risks along the Buffalo Bayou and its tributaries as well as how to improve the Addicks and Barker reservoirs.

The meeting will be an open-house format with 30-minute formal presentations scheduled at 5:30, 6:30, and 7:30 p.m. about the Buffalo Bayou and Tributaries Resiliency Study. Visit <https://tinyurl.com/y6x88tux> for more information.

### Katy Christian Ministries

Katy Area Chamber of Commerce will hold a May 1 ribbon-cutting ceremony for Katy Christian Ministries new resale store from 8:30-9:30 a.m. with the ribbon cutting at 8:45 a.m. The store is at 23232 Kingsland Blvd. between Peek Road and the Grand Parkway.

The Fulshear-Katy Chamber of Commerce will hold a rope cutting ceremony at 8:30 a.m.

Katy Christian Ministries is a non-profit social service organization with revenues from the resale store helping serve the Katy/West Houston area. For more information, go to <https://ktcm.org>.

### The Arc of Katy Gala

The Arc of Katy will hold its largest fundraiser of the year on Friday, May 3, while honoring two Hometown Heroes and volunteers. The benefit fundraiser will be at the Omni Houston Hotel at Westside, 13210 Katy Freeway in Houston. The evening will include dining and entertainment and live and silent auctions.

The Arc of Katy provides “opportunities for individuals with intellectual and developmental disabilities that enable each person to be included as a respected and active member of the community throughout their lifetime.”

For more information, go to [www.thearcofkaty.org](http://www.thearcofkaty.org).

### Rope cuttings



The Fulshear-Katy Chamber of Commerce will host several rope-cutting ceremonies to welcome new businesses to the area this week. The events include:

Katy Lifestyle Chiropractic from noon to 2 p.m. Thursday, May 2, at 25807 Westheimer Parkway, #207 in Katy.

Curb Appeal from 4 to 6 p.m. Thursday, May 2. The site was to be determined.

Caribbean Shape from 11 a.m. to noon Friday, May 3, at 1420 S. Mason Road, Suite #205 in Katy.

For more information, go to [www.fulshearkaty.com](http://www.fulshearkaty.com).

#### Walk for Water

The World Vision 6K for Water will be at Katy Park, 24927 Morton Road, starting at 7 a.m. Saturday, May 4. Walk, run or push a stroller. Each registration provides clean water to a child. Visit [www.teamworldvision.org/team/11257](http://www.teamworldvision.org/team/11257) for information. The event is organized by Robin Long, events coordinator, at Alief Baptist Church at Katy.

[rkent@hcnonline.com](mailto:rkent@hcnonline.com)

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<https://www.chron.com/neighborhood/katy/events/article/Katy-area-calendar-of-events-13798524.php>

## Katy-area calendar of events

Published 9:00 am CDT, Sunday, April 28, 2019



Participants fill the Merrell Center for the 60th annual observance of the National Day of Prayer in Katy on Thursday, May 5, 2011. The Great Southwest Prayer Center, 2655 S. Mason Road, will host a National Day of Prayer Ignites Fire on the Altar from 7 p.m. May 2 to 9 p.m. May 4. Visit [katyprays.org](http://katyprays.org) for more information.

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### Farmers Market

The Farmers Market at LaCenterra will be open 11 a.m.-3 p.m. April 28. It is open the fourth Sunday of every month at 23501 Cinco Ranch Blvd., Katy. The market features local vendors and artisans selling honey, cheese, fresh eggs, seasonable vegetables and more. Visit [yourneigh](http://yourneigh.com)

RECOMMENDED FOR YOU



[borhoodfarmersmarket.com](http://borhoodfarmersmarket.com) if you're interested in becoming a vendor.

April 30

### Storybook Opera

Opera singers from Houston Grand Opera will present a bilingual telling of "The Armadillo's Dream," by Dennis Arrowsmith, at 10:15 a.m. April 30 at the Katy Branch Library, 5414 Franz Road. The program is intended for toddlers. Call 281-391-3509 for information.

### Child and adult protective services

Experts will be at the Maud Marks Branch Library, 1815 Westgreen Blvd., to discuss various legal topics pertinent to Harris County residents on Tuesday, April 30, at 1:30 p.m. about child and adult protective services. Learn about fostering and how the county is protecting the most vulnerable. Pre-registration is required. Call the library at 281-492-8592 for more information.

### Flood mitigation meeting

Kingsland Baptist Church, 20555 Kingsland Blvd. in Katy, will host the first of five meetings planned by the U.S. Army Corps of Engineers Galveston District on its study that offers short-, mid- and long-term solutions to reduce upstream and downstream flooding risks along the Buffalo Bayou and its tributaries as well as how to improve the Addicks and Barker reservoirs. The meeting will be from 5-8 p.m. April 30. and will be an open-house format with 30-minute formal presentations scheduled at 5:30, 6:30, and 7:30 p.m. about the Buffalo Bayou and Tributaries Resiliency Study. Visit <https://tinyurl.com/y6x88tux> for more information.

May 1

### New KCM resale store

Katy Christian Ministries will open its new resale store at 8:30 a.m. May 1 at 23232 Kingsland Blvd. There will be a ribbon-cutting and a grand opening. Visit [www.ktcm.org](http://www.ktcm.org) for more information.

### Volunteer at the library

Volunteer opportunities abound at the Maud Marks Library during the summer. Volunteers are needed to help shelve, count patrons, coordinate summer programs, hand out certificates, and more. The library, 1815 Westgreen Blvd., will be taking applications beginning on Monday, May 1 at 10 a.m. Students should be going into the 7th grade or older and must be able to commit to two hours twice a week. Applications will be due back by Saturday, May 18 at 5 p.m. If you would like to help in any way, contact Elizabeth Herndon at 281-492-8592.

May 2

### Katy Prairie Conservancy Bash

“Our Roots Run Deep,” the Katy Prairie Conservancy Bash will be May 2 at the Houston Country Club, One Potomac Drive in Houston, from 6:30-9:30 p.m. Forrest Wylie will be honored for his passion in preserving the outdoors. Visit <http://www.katyprairie.org> for details.

May 2-4

### National Day of Prayer

The Great Southwest Prayer Center, 2655 S. Mason Road, will host a National Day of Prayer Ignites Fire on the Altar from 7 p.m. May 2 to 9 p.m. May 4. Visit [katyprays.org](http://katyprays.org) for more information.

May 2-5

### Great Southwest Round Up

The Great Southwest Equestrian Center, 2501 S. Mason Road in Katy, will host the Great Southwest Roundup featuring jumper classic and Hunter Derby classes of competition May 2-5. Visit [www.gswec.com](http://www.gswec.com) for information.

May 3

### The Arc of Katy Gala

The Arc of Katy will hold its largest fundraiser of the year on May 3 while honoring two Hometown Heroes and volunteers. The benefit fundraiser will be at the Omni Houston Hotel at Westside, 13210 Katy Freeway in Houston. The evening will include dining and entertainment and live and silent auctions.

## Cody Ray Henry Band

The Cody Ray Henry Band will return to perform a Texas acoustic show at No Label Brewing Co., 5351 1st St. in Katy, on Friday, May 3, from 5-8 p.m.

## Mother's Day Bazaar

Party Junction, 25757 Westheimer Parkway, Suite 190, Katy, will host a Mother's Day Bazaar from 10 a.m.-3 p.m. May 3.

May 4

## World Vision 6K For Water

Walk, run or push a stroller at the World Vision Global 6K for Water on May 4 at Katy Park, 24927 Morton Road in Katy. Each registration provides clean water to a child. The online registration fee is \$50 for adults and \$25 for children under age 18. Visit [www.teamworldvision.org/team/11257](http://www.teamworldvision.org/team/11257) to join the team. For information, email [rclong16119@gmail.com](mailto:rclong16119@gmail.com) or call Robin Long, events coordinator, Alief Baptist Church at Katy, 281-300-8576.

## Annual fish fry

The Katy Masonic Lodge, 3158 Katy Hockley Road, Katy, will host its annual fish fry on Saturday, May 4, from 11 a.m.-3 p.m. The meal will include fish, French fries, hush puppies and a dessert. Plates are \$15. There also will be a silent auction.

## Financial Literacy

On May 4 at 10 a.m., experts will be at Maud Marks Branch Library, 1818 Westgreen Blvd., to discuss retirement planning, estate planning, and finances for late in life. Pre-registration is required. Call the library at 281-492-8592 for more information.

## May the Fourth Be With You

Celebrate Star Wars Day with a fun program for the whole family at Maud Marks Branch Library with games, crafts, technology, refreshments, photo-ops, and a special appearance

from Space City Sabers on Saturday, May 4, beginning at 2 p.m. Space City Sabers will provide light saber demonstrations and participants will have an opportunity to learn some moves. Families will have photo opportunities with Star Wars characters. The library is located at 1815 Westgreen Blvd.

### Purposeful Purse Brunch

Christ Clinic's second annual Purposeful Purse Brunch will be 11 a.m.-1 p.m. May 4 at Grazia Italian Kitchen, 22764 Westheimer Parkway. Individual tickets are \$60. Sponsorships are available. Donate new or gently used Designer Handbags through April 30 to benefit Christ Clinic. Handbags will be auctioned at the brunch and can be dropped off at Christ Clinic's administrative offices located at 802 Dominion Drive in Katy, Monday - Friday from 8:30 a.m.-4 p.m. Contact [beverly@christclinic Katy.org](mailto:beverly@christclinic Katy.org) for more information.

### Free C.O.B.R.A. class

A special demonstration and a free class of C.O.B.R.A. Defense, created by a former law enforcement officer, will be offered from noon-1 p.m. May 4 at 1203 Price Plaza in Katy. Visit [www.katyselfdefense.com](http://www.katyselfdefense.com) or call 281-896-6040 for information.

May 5

### ServeFest

ServeFest is a "church has left the building" type event where the entire church is encouraged to participate in a variety of community projects. The Fellowship Ministries will host a May ServeFest from 9 a.m.-noon. on May 5. Email [glenn@thefellowship.org](mailto:glenn@thefellowship.org) or visit <https://www.thefellowship.org/resources/events/servefest/> for more information.

May 6

### Swing from the Heart

The 20th annual Swing from the Heart Golf Benefit for Katy Christian Ministries will be May 6 at Weston Lakes Country Club, 32611 FM 1093 Road in Fulshear. Registration will open at 10:30 a.m. Lunch will begin at 11:30 a.m. and tee time is 1 p.m. Visit <https://ktcm.org/golf/> for information.

## Public Input Sought for Flood Control Study – The Katy News

By George Slaughter



Andrew Weber, project manager of the Galveston District of the Corps of Engineers, gives a presentation Tuesday – Katy News photo by George Slaughter

The U.S. Army Corps of Engineers is preparing a study focusing on reducing flood risks along Buffalo Bayou and its tributaries, and is seeking public input.

Andrew Weber, project manager of the Galveston District of the Corps of Engineers, gave a presentation describing the study and how it was being developed. He said the goal of the study is to improve the effectiveness of both the Addicks and Barker projects, while reducing the upstream and downstream flood risks along Buffalo Bayou and its tributaries.

The need to identify options for reducing flood risks has become more urgent as Southeast Texas continues to grow and develop. Weber said the Addicks Reservoir had an elevation of 109.1 inches during Hurricane Harvey in 2017. He said the Barker Reservoir had an elevation of 101.6 inches. These were the highest elevations recorded, but they were part of a trend. Of the five examples of Addicks Reservoir flood elevation Weber cited, four of them happened after 2000.

Meanwhile, three of the five examples of Barker Reservoir flood elevation happened after 2000.

Weber said the Corps may consider numerous alternatives as it performs the study. Such alternatives can be structural solutions, such as auxiliary spillway improvements, bypass channels, channel improvements, levees, operational changes, stormwater detention or diversion, or perhaps a new reservoir.

Alternatives can also include non-structural solutions, such as flood proofing, flood warning systems, and property acquisition.

Weber said the finished study must present no unmitigated adverse impacts, address the issue of limited open land for flood control purposes, and address the historical opposition to environmental impacts on Buffalo Bayou.

Tuesday's public scoping meeting was the first of a series and was held at Kingsland Baptist Church, 20555 Kingsland Blvd.

Weber said that the public scoping phase is provided by law to ensure that the public can give its input. Upcoming meetings are scheduled as follows:

- May 2, at St. John Vianney Catholic Activity Center, 625 Nottingham Oaks Trail, Houston
- May 7, at Trini Mendenhall Community Center, 1414 Wirt Rd., Houston
- May 8, at Wilhelmina Cullen Robertson Auditorium, University of Houston-Downtown, 1 Main St.
- May 9, at Cypress Ridge High School Ninth Grade Cafeteria, 7900 N. Eldridge Pkwy., Houston

All meetings are set for 5-8 p.m. except for the May 9 meeting, which is set for 6-9 p.m. Weber gives a 30-minute presentation giving an overview of the study, and staff are situated on both the left and right sides of the room to answer questions. Weber gives his presentation at three different times so people can come and go as desired.

For those unable to attend a meeting, the Corps welcomes public feedback by e-mail at [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil) or by U.S. Mail to U.S. Army Corps of Engineers, Attn: RPEC, Environmental Branch, P.O. Box 1229, Galveston, TX 77553-1229. Mail must be postmarked by May 31.

The Corps will take the public input and evaluate possible alternatives. It expects to submit a draft report for public review in June 2020. For more information, visit the Corps web site at <https://www.swg.usace.army.mil/Missions/Projects/Buffalo-Bayou-and-Tributaries-Resiliency-Study/>.



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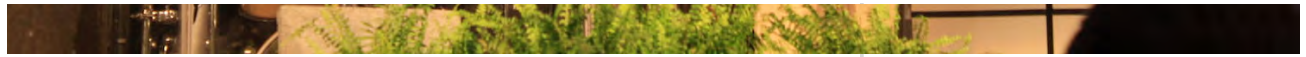
KATY

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LATEST EDITION

## Army Corps of Engineers, Harris County ask for public input on Buffalo Bayou resiliency study





*Andrew Weber, project manager for the Army Corps of Engineers Galveston District, discussed the Buffalo Bayou and Tributaries Resiliency Study on April 30 at Kingsland Baptist Church in Katy. (Jen Para/Community Impact Newspaper)*

**By Jen Para** | 12:30 pm May 1, 2019 CDT

Katy- and Cypress-area residents are encouraged to submit ideas and comments for a study that will recommend local flood mitigation projects to Congress for federal funds.

The Army Corps of Engineers Galveston District and the Harris County Flood Control District held the first of five public meetings to promote public participation in the Buffalo Bayou and Tributaries Resiliency Study on April 30 at Kingsland Baptist Church in Katy. About 150 people attended this meeting.

The goal of the study is twofold, said Andrew Weber, project manager for the Army Corps of Engineers Galveston District, and Edward Russo Jr., deputy district engineer for programs and project management for the Corps.

The first is to continue to improve the safety of the Addicks and Barker reservoirs, which are currently undergoing a \$75 million construction project on the dams' primary outlet control structures. The second is to identify, research and recommend alternative measures for federal funding that will address the flooding risk along Buffalo Bayou and its tributaries.

With public input, the Corps and the HCFCD will investigate alternative solutions to reduce flooding on the Buffalo Bayou watershed and its effect on human health and erosion, according to meeting materials. These solutions can include building a third reservoir, detention or sedimentation basins, levees, flood tunnels, or bypass and diversion channels; increasing reservoir storage; removing reservoirs; raising structures; and home buyouts.



POPULAR

**Army Corps of Harris County public input on Bayou resiliency**

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“We are still very early in the process, and everything you see is subject to your comment,” Weber said at the public meeting. “As you prepare your comment cards tonight, please consider: Is there anything the Corps missed? ... Is there anything that the Corps needs to take under consideration?”

The \$6 million Buffalo Bayou and Tributaries Resiliency Study was funded by federal dollars from the Bipartisan Budget Act of 2018, which provided funds to communities devastated by Hurricanes Harvey, Irma and Maria.

The study began in October and is scheduled to be completed in October 2021, Weber said. Between now and then, the Corps and the HCFCD will:

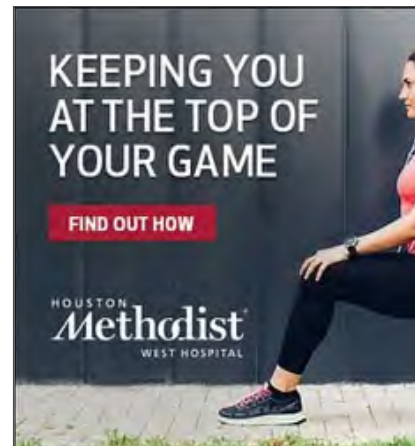
- host four more public meetings by May 9;
- accept public comments for solutions to investigate until May 31;
- perform an analysis of the solutions;
- outline a Tentatively Selected Plan around April 2020;
- present a draft report of solutions to be recommended for federal funds for public review around June 2020;
- refine the report;
- present the final report for public review; and
- submit the final report of the recommended projects to Congress by October 2021.

However, the Corps and the HCFCD—and any other project sponsors that sign on—cannot begin implementing the solutions identified in the final report until federal funds are appropriated, or distributed, by Congress, which can take years, Russo said.

The next four public meetings will be held:



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THE LATEST EDITION

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Flood control officials in Harris County are studying the feasibility of building underground tunnels to carry water throughout the county,...

- May 2, 5-8 p.m., St. John Vianney Catholic Church, 625 Nottingham Oaks Trail, Houston
- May 7, 5-8 p.m., Trini Mendenhall Community Center, 1414 Wirt Road, Houston
- May 8, 5-8 p.m., University of Houston-Downtown, Wilhelmina Cullen Robertson Auditorium, 1 Main St., Ste. A350, Houston
- May 9, 6-9 p.m., Cypress Ridge High School, 7900 N. Eldridge Parkway, Houston

Residents can submit comments about the study at the public meetings by emailing [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil) or by mailing to USACE, Galveston District, ATTN: BBTRS, PO Box 1229, Galveston, TX, 77553-1229.

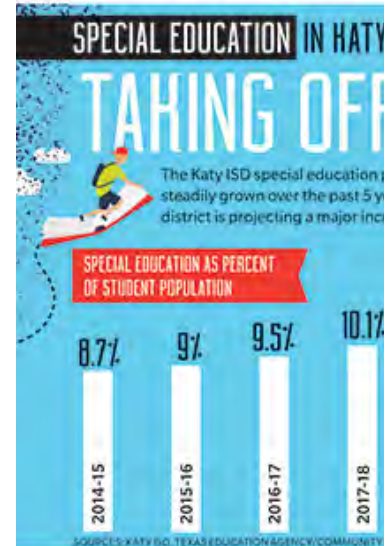
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COMMENT



**JEN PARA**

Jen joined Community Impact Newspaper in fall 2018. A graduate of the University of Missouri, Jen has written about business, politics and education since 2013. Prior to CI, Jen was the web producer at Houston Business Journal.



**Katy ISD projects h Year-over-year growth expect**

BY JEN PARA  
 Katy ISD is preparing for a major increase in students with disabilities. As of October, the number of students at KISD was 8,647, according to a report. By October 2019, the district estimates 10,984 special education students, or a 25% increase.

VIE

Posted on the Citizens' Environmental Coalition Website on May 1, 2019

# Buffalo Bayou and Tributaries Resiliency Study public scoping meeting

(<http://cechouston.org/calendar/>)

(<https://www.eventbrite.com/e/buffalo-bayou-and-tributaries-resiliency-study-tickets-60626813431>)



**WHEN:**

May 2, 2019 @ 5:00 pm – 8:00 pm America/Chicago Timezone

**WHERE:**

Saint John Vianney Catholic Church Activity Center  
8 Lake Dr  
Round Rock, TX 78665  
USA

**COST:**

Free

**CONTACT:**

Buffalo Bayou and Tributaries Resiliency Study  
Email (<mailto:BBTRS@usace.army.mil>)

Event website

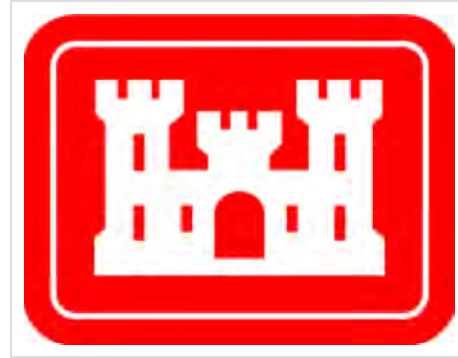
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PUBLIC MEETING ([HTTP://CECHOUSTON.ORG/CALENDAR/CAT\\_IDS~462/](HTTP://CECHOUSTON.ORG/CALENDAR/CAT_IDS~462/))

(Presentations at 5:30, 6:30, 7:30 p.m.)

The U.S. Army Corps of Engineers Galveston District has initiated the National Environmental Policy Act (NEPA) process for the [Buffalo Bayou and Tributaries Resiliency Study](#). The study will investigate the causes of flooding and develop alternatives that could reduce the risk of flooding along the Buffalo Bayou and its tributaries, in Harris and Fort

Bend Counties. The study will also complete a Dam Safety Modification Evaluation on the Addicks and Barker Dams. The USACE invites interested individuals and organizations to attend one of the five scheduled Public Scoping meetings.



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<https://www.chron.com/neighborhood/memorial/news/article/Corps-seeks-flood-mitigation-comments-from-13825639.php>

## Corps seeks flood-mitigation comments from community

By [Karen Zurawski](#) Published 11:16 am CDT, Tuesday, May 7, 2019



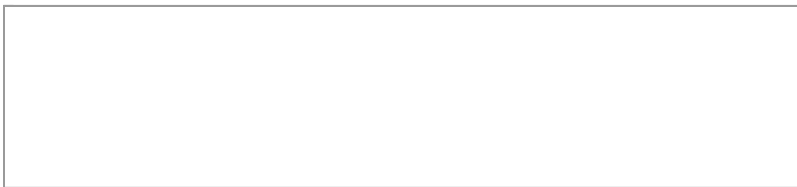
### IMAGE 1 OF 10

A crowd attended the April 30 meeting at Kingsland Baptist Church organized by the U.S. Army Corps of Engineers to focus reducing flooding risks along the Buffalo Bayou and its tributaries. Above, Andrew Weber, [... more](#)

The U.S. Army Corps of Engineers met Katy-area residents April 30 to collect feedback on a federal study to reduce the flooding risks along the Buffalo Bayou and its tributaries.

“We’re listening and will take your comments into consideration,” said Edmond J. Russo Jr., USACE deputy district engineer, programs and project management.

### Recommended Video



The USACE project manager for the Buffalo Bayou & Tributaries Resiliency Study is Andrew Weber, who has worked as a civil engineer since 2009 and whose other

projects include the Addicks and Barker Dams Safety Modification Project and the Coastal Texas Study.

The \$6 million Buffalo Bayou study started in October 2018 and is scheduled to last three years until October 2021, he said. The Harris County Flood Control District is a study partner.

As he presented slides and updated the study for an audience of approximately 150 people at Kingsland Baptist Church, Weber said, “We’re still very early in the process and everything you see is subject to your comments.”

Weber said three primary problem areas have been identified so far for the study: flooding upstream and downstream of the reservoirs and performance and risk issues related to flow around and over uncontrolled spillways.

The project goal is to improve the effectiveness of the Barker and Addicks reservoirs and to reduce upstream and downstream flood risks. Some alternatives could increase storage capacity. Others could improve the efficiency of the stormwater flow, he said.

Nothing is set in stone, according to Weber, who said next will be a transition to the evaluation and analysis phase where alternatives will be evaluated and compared. A tentatively selected plan is to be ready by next summer for further public review and comment.

“The plan that maximizes the benefits becomes the benchmark for federal funding,” said Weber. The final plan is due by October 2021. It’s up to Congress to authorize the project and appropriate funds, he said.

Visit <https://www.swg.usace.army.mil/Missions/Projects/Buffalo-Bayou-and-Tributaries-Resiliency-Study/> to see what options are being discussed. This link also lists remaining dates and sites for Corps scheduled meetings to collect public comment throughout the Houston area.

“Please consider is there anything the Corps has missed,” Weber said. “In your knowledge is there anything the Corps needs to take under consideration? Is there anything you know that can improve how we develop these plans and, maybe, even is there something the Corps has right?”

Comments will be accepted for a 30-day period that started April 29. Comments can be emailed to [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil) or mailed to the U.S. Army Corps of Engineers, Attn: RPEC, Environmental Branch, P.O.Box 1229 Galveston, Texas 77553-1229. Mail must be postmarked by May 31, 2019, said Russo.

Katy resident Clet Landry of Pine Forest subdivision, which experienced flooding after Hurricane Harvey, was among those attending the April 30 meeting. He said he had distributed information about that night’s meeting to other residents and saw many of his neighbors there, too. His goal is to further share the Corps information and get the word out about the study.

Residents of Cinco Ranch and Fairways at Kelliwood also were among attendees.

The Fairways at Kelliwood resident said, “I think what they’re saying seems pretty vague. It seems they’re just getting started and there’s not a lot to look at.”

Hurricane Harvey left 18 inches of water in his house.

“Fifty-four inches in four days — there’s not an answer for everything,” he said.

The Cinco Ranch resident, who said he had 19 to 20 inches in his house after Harvey, raised a concern about the study’s duration and that a final report wouldn’t be available until 2021.

But Lt. Col. Mark T. Williford, USACE chief of public affairs, noted that it was Harvey that brought the different levels of government agencies as well as community groups together to work to reduce flooding risks.

Said Weber, "Flood-risk management is a shared effort across all levels of government."

karen.zurawski@chron.com

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# COMMUNITY MEETING: BUFFALO BAYOU AND TRIBUTARIES RESILIENCY STUDY

**MAY 8 @ 5:00 PM - 8:00 PM**

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« Nature of the Flood: City of Houston Climate Action  
Understanding Our Dynamic Plan Meeting »  
Rivers and Bayous

The U.S. Army Corps of Engineers (USACE) Galveston District has initiated the National Environmental Policy Act (NEPA) process for the Buffalo Bayou and Tributaries Resiliency Study (BBTRS). The study will investigate the causes of

flooding and develop alternatives that could reduce the risk of flooding along the Buffalo Bayou and its tributaries, in Harris and Fort Bend Counties, Texas. The study will also complete a Dam Safety Modification Evaluation on the Addicks and Barker Dams.

In connection with the study, five public engagement meetings have been scheduled.

The meetings will follow an open house style format in which display boards will be available for review throughout the evening. A formal presentation will be given at 5:30, 6:30, and 7:30 pm, unless otherwise noted above, and last about 30 minutes. There will not be a formal question and answer session during the presentation. Staff will be available to answer questions and take comments throughout the evening.

The USACE is soliciting comments from the public regarding the scope of the study, potential alternatives that should be considered, and environmental resources and impacts that should be addressed during the study process. Comments should be postmarked by May 31, 2019 for consideration during the formulation and technical analyses phase. Comments can be provided in one of three ways:

- Fill out a comment card at any of the Public Scoping Meetings
- Submit electronically to: [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil)
- Mail to: USACE, Galveston District, Attn: BBTRS, P.O. Box 1229, Galveston, TX 77553-1229
- For additional information on the study, visit:  
<https://www.swg.usace.army.mil/>

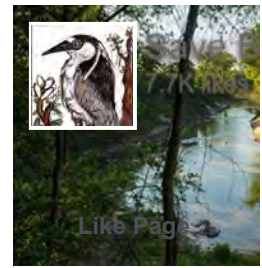
For additional information, contact the USACE project manager:

Andrew Weber, P.E.

[andrew.weber@usace.army.mil](mailto:andrew.weber@usace.army.mil)

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5:00 pm - 8:00 pm

**Website:**

<https://www.swg.usace.army.mil/Missions/Projects/Buffalo-Bayou-and-Tributaries-Resiliency-Study/>

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### Buffalo Bayou Public Meetings May 2019

Buffalo Bayou and Tributaries Resiliency Study public scoping meetings

The U.S. Army Corps of Engineers Galveston District has initiated the National Environmental Policy Act (NEPA) process for the [Buffalo Bayou and Tributaries Resiliency Study](#). The study will investigate the causes of flooding and develop alternatives that could reduce the risk of flooding along the Buffalo Bayou and its tributaries, in Harris and Fort Bend Counties. The study will also complete a Dam Safety Modification Evaluation on the Addicks and Barker Dams. The USACE invites interested individuals and organizations to attend one of the five scheduled Public Scoping meetings. Find more information about the Study and the meetings at [www.swg.usace.army.mil](http://www.swg.usace.army.mil).



- Kingsland Baptist Church Activity Center, April 30
- Saint John Vianney Catholic Church Activity Center, May 2
- Trini Mendenhall Community Center, May 7
- Wilhelmina Cullen Robertson Auditorium, May 8
- Cypress Ridge High School, May 9



*The Houston Canoe Club  
is a Paddle America Club*

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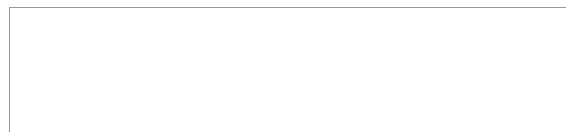
 <https://www.chron.com/neighborhood/katy/news/article/USACE-closes-study-s-comment-period-13922278.php>

## USACE closes study's comment period

Staff Report Published 12:14 pm CDT, Monday, June 3, 2019

A total of 461 individuals attended one of five public scoping meetings for the Buffalo Bayou and Tributaries Resiliency Study that were held April 30, May 2 and May 7-9, 2019 by the U.S. Army Corps of Engineers, said Sandra Arnold, chief of public affairs, U.S. Army Corps of Engineers, Galveston District.

"Two of the five meetings were held upstream of the Addicks and Barker Reservoirs, while the remaining three were held downstream of the dams to downtown Houston. These meetings were well- attended considering the significant weather that occurred during the second week, where local officials encouraged residents to stay home if possible," she added.



Arnold said, "In general, attendees were appreciative to receive information about the study and to know that progress is being made. Conversely, a number of people expressed displeasure with the length of time it will take before the study is complete and concerned with how long it could be until construction could

begin."

"The U.S. Army Corps of Engineers Galveston District received a total of 19 comments during the public meetings and have received an additional 150 email/mail submissions as of May 30, 2019, at 4:30 p.m."

The scoping period ended May 31.

"General comments include a variety of topics such as the submission of additional suggestions and ideas on measures or locations to consider; opposition to diverting water out of Buffalo Bayou into Brays Bayou; construction of a levee near Cypress Creek; support for other measures such as tunnels, reservoirs and detention along with a general concern for the impact that any of the measures could have on the environment," said Arnold.

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# BUFFALO BAYOU AND TRIBUTARIES RESILIENCY STUDY

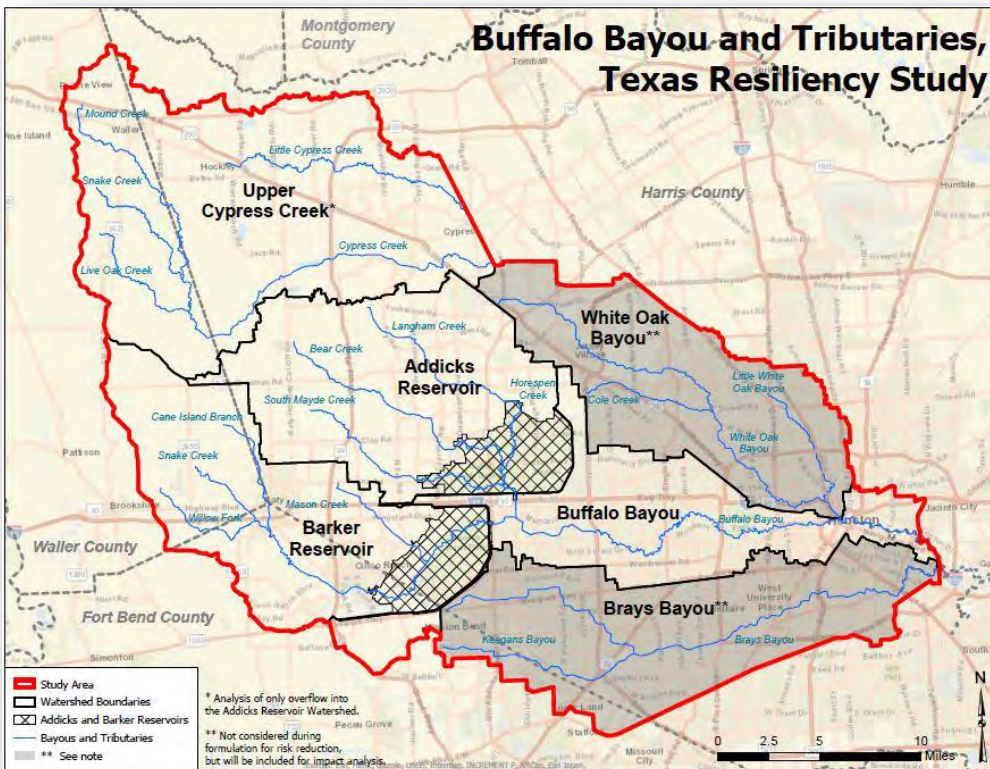


US Army Corps  
of Engineers®  
Galveston District



**About the Study:** In October of 2018, the US Army Corps of Engineers (USACE) signed a partnership agreement with Harris County Flood Control District (HCFCD) to examine the feasibility of construction projects to address the flooding risks along Buffalo Bayou and its tributaries. The study will also complete a Dam Safety Modification Evaluation (DSME) on Addicks and Barker Dams.

**Need for this Study:** Buffalo Bayou and Tributaries, Texas Project was authorized in 1938 leading to the construction of Addicks and Barker Dams. Since their completion, there has been significant changes in land use and development in the watershed. The watershed has experienced significant flooding in recent years.



**PUBLIC MEETINGS  
APRIL-MAY 2019**

More Information is available online at:

<https://www.swg.usace.army.mil/Missions/Projects/Buffalo-Bayou-and-Tributaries-Resiliency-Study/>



## **What is a Feasibility Study?**

The Feasibility Study is the first stage of development for a potential Federal water resources development project. The feasibility study phase is the disciplined process under which Corps planners work with a non-federal study sponsor and multi-disciplinary study teams to identify, evaluate and recommend to decision makers a workable solution to identified water resources problems and opportunities. A feasibility study is used to investigate the Federal interest, engineering feasibility, economic justification and environmental acceptability of a recommended water resources project. A feasibility study determines if Congressional authorization and implementation of a Civil Works project are warranted.

The final feasibility report documents the study results and findings, including the formulation of alternatives, the selection process of the recommended alternative, and the costs and benefits of the recommended plan. The final feasibility report provides a sound and documented basis for decision makers and stakeholders regarding the recommended solution.

A feasibility study ends when the Chief of Engineers signs a "Chief's Report" and transmits it to The Assistant Secretary of the Army (Civil Works) (ASA(CW)). The ASA(CW) then officially submits the report to Congress for consideration of authorization to construct the recommended plan.

Following the transmittal of the Chief's Report, the Corps and its non-federal sponsor complete the detailed engineering and technical studies and design needed to begin construction in a phase known as the "Pre-Construction Engineering and Design" phase. Construction may begin after congressional authority and appropriations for the recommended are made.

## **Where are we in the Study Process?**

We are currently in the public scoping phase of the study. Scoping provides an opportunity for the public, interested stakeholders, and resource agencies to provide input on the range of issues to be addressed by the study. The most common way for the agency to reach the public is through public meetings.

Following this period, the study team will review and address the input received during the comment period. The information will be used to further develop the alternatives and aid in the impact analysis. It is anticipated that the Draft Feasibility Report and Environmental Impact Statement will be published for public review in the spring of 2020.

## **What is National Environmental Policy Act (NEPA)?**

NEPA is a Federal law applicable to all Federal agencies. NEPA requires that agencies take a hard look at the potential environmental impacts of a proposed federal action before making decisions and taking action.

The NEPA process is intended to promote better agency decisions by ensuring high-quality environmental information is available to decision makers and the public before the agency decides whether or how to undertake a federal action.

The appropriate NEPA documentation for a particular study depends largely on the significance – in terms of context and intensity – of the project's potential environmental impacts.

# THE NEPA AND FEASIBILITY STUDY PROCESS

The preparation of the Environmental Impact Statement and Feasibility Report are being prepared concurrently.

## Stages of NEPA and Feasibility Study Process

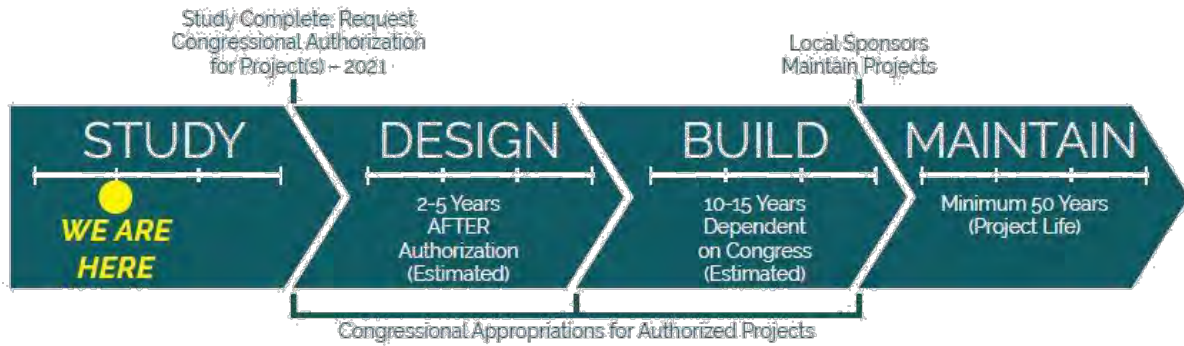
1. Initiate Study
2. Notify the Public
3. Scoping Meeting
4. Analysis of Alternatives
5. Complete Draft Report
6. Public Review of Draft Report
7. Refinement of the TSP
8. Final Report Available for Review
9. Report Signed

## Stages of Public and Private Participation





# ESTIMATED PROJECT SCHEDULE



## How Can You Participate?

You can participate by providing comments for consideration by the study team. The comment period is open from April 29<sup>th</sup>- May 31<sup>st</sup>, 2019.

Comments can be sent by email to [bbtrs@usace.army.mil](mailto:bbtrs@usace.army.mil) or mailed to

USACE, Galveston  
ATTN: BBTRS  
P.O. Box 1229  
Galveston, TX 77553

## What Will Happen Next?

The team will work with the measures developed and the comments that we receive from you to develop alternatives to address the flooding and dam safety risks. From there we will select a Tentatively Selected Plan based on the costs, benefits, and environmental impacts. The analysis of all alternatives considered will be released in a draft report to the public.

## Public Scoping Meetings

### Tuesday, April 30, 2019

5:00-8:00 pm

Kingsland Baptist Church Activity Center  
20555 Kingsland Boulevard  
Katy, Texas 77450

### Thursday, May 2, 2019

5:00-8:00 pm

Saint John Vianney Catholic Church Activity Center  
625 Nottingham Oaks Trail  
Houston, Texas 77079

### Wednesday, May 8, 2019

5:00-8:00 pm

University of Houston Downtown  
Wilhelmina Cullen Robertson  
Auditorium  
3rd Floor (Main Street Level) of  
Academic Building  
1 Main Street, A 350  
Houston, Texas 77002  
(Visitor Parking available at 201  
Girard Street)

### Tuesday, May 7, 2019

5:00-8:00 pm

Trini Mendenhall Community Center  
1414 Wirt Road  
Houston, Texas 77055

### Thursday, May 9, 2019

6:00-9:00 pm

(Presentation given at 6:30, 7:30,  
and 8:30)  
Cypress Ridge High School  
9th Grade Cafeteria

# Measures Being Considered

## Exposure and Vulnerability:

- **Update Emergency Action Plan/Hazard Maps**
- **Dry/Wet Proofing-** Waterproof coatings and coverings for homes and businesses
- **Flood Warning Systems-** Audible warning systems of rising waters
- **Property Acquisition-** Purchase land, remove all buildings and utilities, and allow to restore to pre-development condition
- **Signage**

## Dam Safety:

- **Relocation of Auxiliary Spillway-** Moving the auxiliary spillway of Addicks and Barker Dams to a new location
- **Remove Dams-** Demolition of dams. This is a measure considered to compare the benefits and risks that the dams have on the surrounding communities
- **Axillary Spillway Improvements**
- **Modify Dam Operations-** Change the rate or frequency at which the dams can release water from the reservoirs

## Convey Water:

- **Bypass-** A channel that redirects water from one bayou around a flood prone area and then back into the original bayou
- **Diversion-** A channel that redirects flow from one bayou or watershed around a flood prone area into a nearby bayou or watershed
- **Tunnels-** An underground floodway that diverts excess floodwater from the surface underground until it has been moved outside of the flood risk area
- **Channel Improvements-** Modifications to the existing Buffalo Bayou Channel to convey water more efficiently

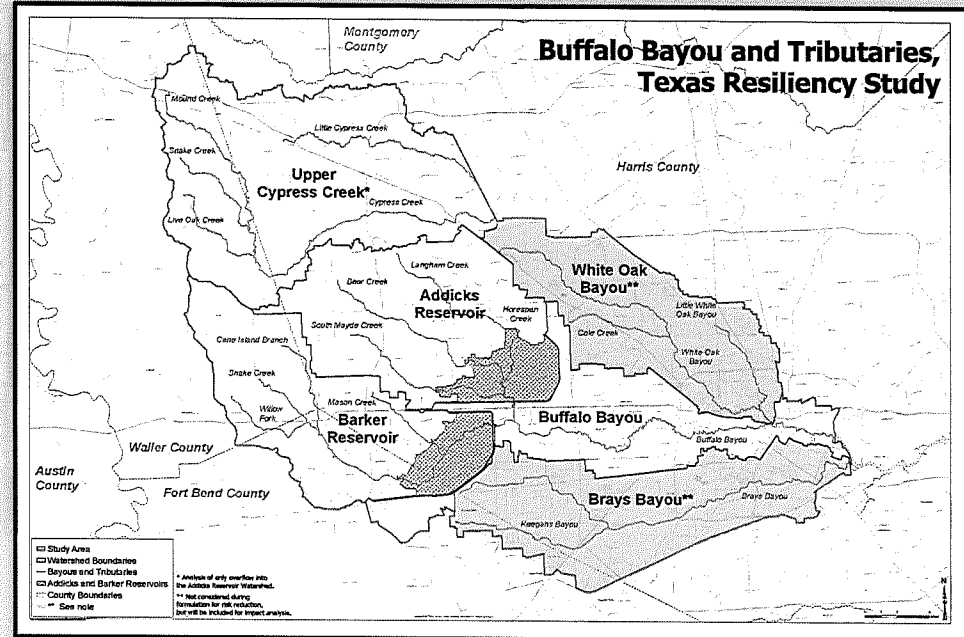
## Store Water:

- **Increase Reservoir Storage-** Increasing the capacity of water that Addicks and Barker Reservoirs can hold on government property
- **Levees-** Provide a barrier between surging waters and built structures
- **Detention-** Excavations on the landscape used to receive and temporarily store surface water
- **Sedimentation Basin-** A structure to remove sediment from flowing water to prevent the deposit of sediments which can decrease storage
- **New Reservoir/Dam-** Dam constructed across the bayou to temporarily store flows and then released in an regulated manner

# Study Overview

**Purpose** The study has two goals

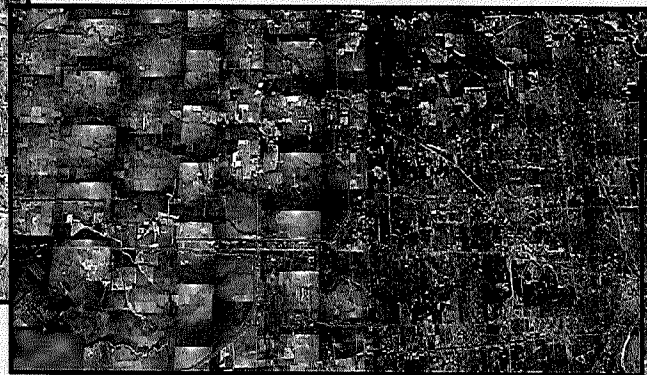
- **Flood Risk Management:** Identify and recommend an alternative that reduce the risk of flooding along Buffalo Bayou and its tributaries and upstream and downstream of Addicks and Barker Reservoirs due to changed physical and economic conditions since construction of the project in the 1940s.
- **Dam Safety:** Reassess the integrity of Addicks and Barker Dams in light of changed hydrologic conditions and determine if and what measures are needed to address dam safety concerns



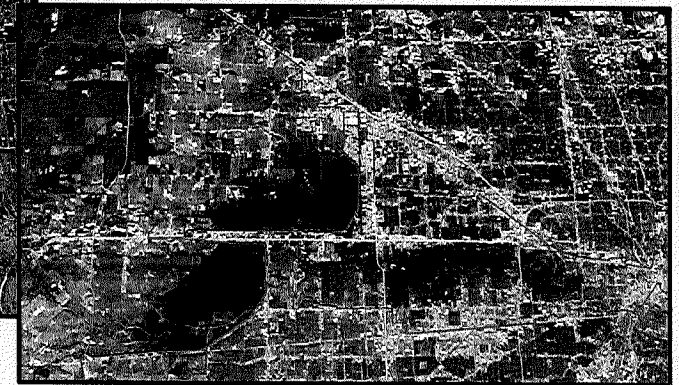
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1978

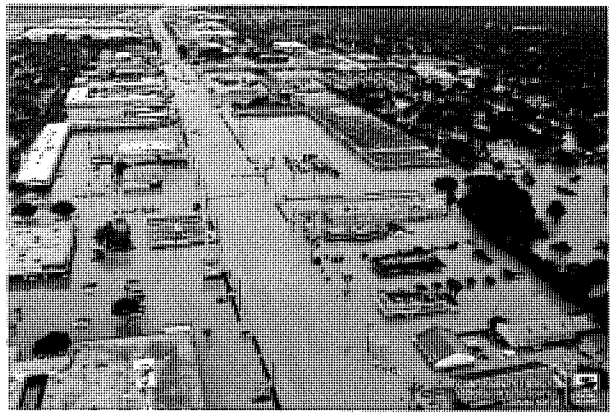


2017



A number of physical improvements and operational changes to the project have been implemented in response to steady growth of the Houston metropolitan area. However, the watershed continues to experience major flood events, including the most recent and most significant during Hurricane Harvey in 2017.

# Overview – Flood Risk Management

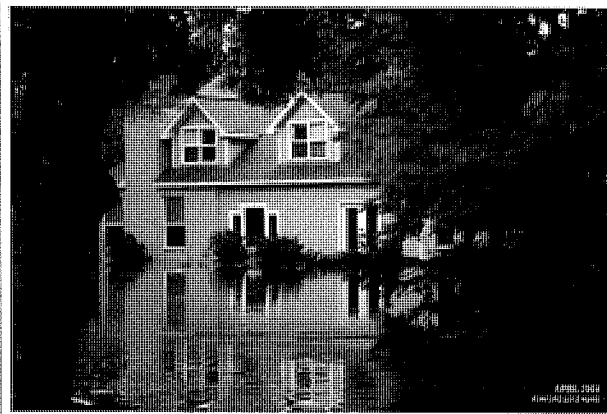


## **Problem -- Flooding**

Flood events have resulted in property damages, degradation of critical infrastructure, increase in overall regional flood risk and, in extreme events, loss of life.

Historic urban expansion has modified the way water moves throughout the watersheds.

- Less surface runoff can be absorbed than under historic conditions resulting in more water entering the bays and reservoirs.
- When the capacity of the bayou or reservoirs is exceeded, flooding can occur in adjacent developed areas.



## **Primary Study Objectives**

Identify a plan that:

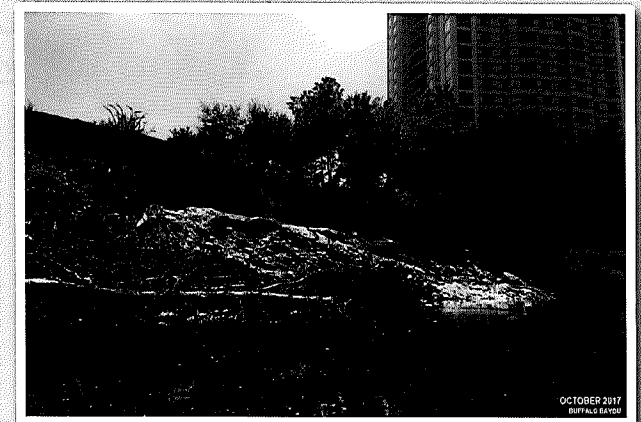
- Reduces the risk of flooding;
- Reduces the risk to health and life safety; and
- Reduces sediment and erosion.



## **Problem -- Erosion**

Sedimentation has been a persistent problem along the stream banks of Buffalo Bayou for decades. Erosion and the subsequent sediment transport in the bayou contributes to the flooding risk in several ways:

- During an event, erosion causes vegetation to fall into the channel potentially causing an obstruction to the flow path;
- Sedimentation reduces channel capacity; and
- Structural integrity of buildings adjacent to the bayou are threatened by eroding stream banks.





# Overview – Dam Safety Phase II

## What was done in Phase I?

The Phase I Dam Safety Modification Study (DSMS) was completed in 2013. The DSMS identified solutions to address the primary dam safety concerns:

- Seepage and piping beneath, around, and near the outlet structures

In 2015, USACE awarded a \$75 million contract to replace the outlet structures. Work should be completed in 2020.

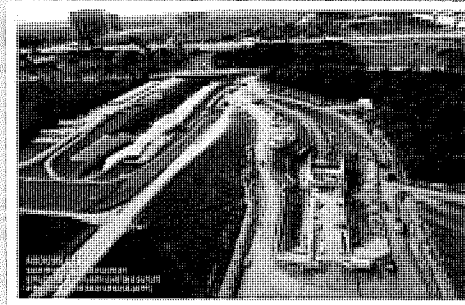
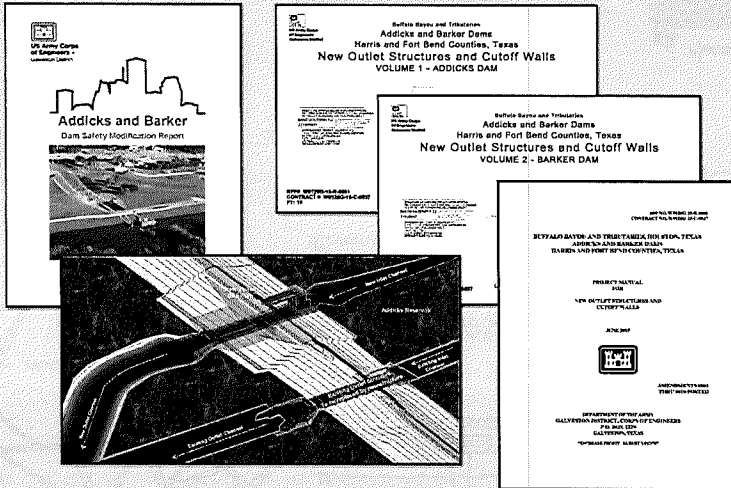


Flow around the end of the dams, and over untested auxiliary spillways can occur during extreme flood events. This could lead to a potential failure of a portion of the dam embankment.

## Current Dam Safety Rating

### DSAC 1: “Extremely High Risk”

This designation is based on a formula that accounts for the dam safety risks and potential consequences (life loss and property damages) downstream if something happened to the dam. When a dam protects a significantly populated area like Houston, the consequences of failure are much greater than if the dam was protecting farm or ranch land.



Like much of our national infrastructure, the dams have been around a long time. The original design was developed when technology was more limited and design standards were different. While safety issues associated with the water control structures are currently being addressed, issues associated with the auxiliary spillways still need to be investigated.



## What is Phase II?

The Phase II Dam Safety Modification Evaluation will identify solutions to secondary dam safety concerns including:

- How will the dams respond to flow around the ends of the dams and/or over the auxiliary spillway?
- How does changing precipitation patterns affect the frequency of flow around the end or over the auxiliary spillways of the dams?

**Addicks and Barker Dams are not in imminent danger of failing.**

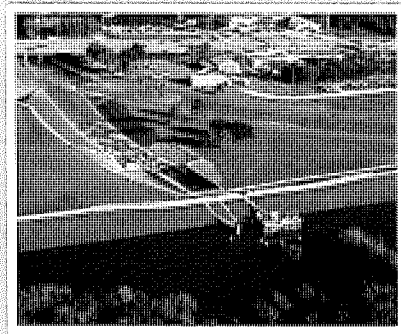
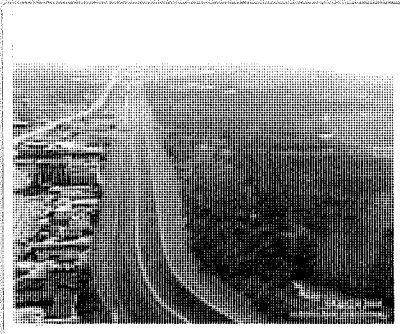
The two dams are continuously monitored by full-time staff to ensure their structural integrity.

# Addicks and Barker Dams and Reservoirs

The purpose of the dams and reservoirs is to provide flood damage reduction along Buffalo Bayou downstream of the dams and through the center of the City of Houston.

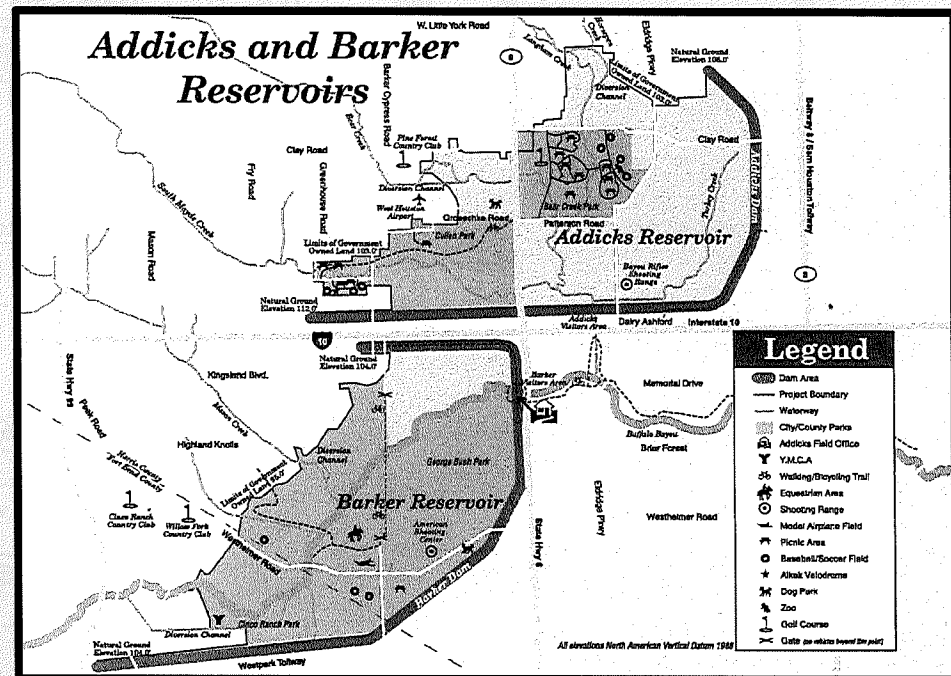
- The dams detain water generated from rainfall runoff in the Addicks and Barker Watersheds. The water is then slowly released into Buffalo Bayou through the water control structures when the risk of downstream flooding is past.
- Under normal conditions, the reservoirs are dry and the gates remain open to allow the normal low flows of the creeks and bayous to pass through the dams and down Buffalo Bayou.

Since 1948, the dams have prevented flood damages estimated to be in excess of \$25 billion, along with countless lives saved, historical treasures preserved, and continued growth of a thriving metropolitan area.



## Dam Operations -- The gates are open until there is a threat of flooding.

- Under normal operations, the gates are closed when more than 2" of rain falls upstream of the dams and/or 1" of rain has fallen below the dam.
- Dam releases for both dams are regulated by the flow measured at the Piney Point Gage Station.
- If stored floodwaters are being released from the reservoirs when a rain event is threatening, the releases are adjusted based on the amount of rainfall predicted.
- It takes 8 hours for water released from the reservoirs to travel from the gates to Piney Point Gage Station and approximately 24 hours for the water to travel through downtown.



Addicks and Barker Reservoirs are located near the intersection of Interstate 10 and State Highway 6 in an area considered to be in the upper watershed of Buffalo Bayou.

# Plan Formulation

## Management Measures Considered During Plan Formulation

### Storm Water Storage

- New Reservoirs/Dams\*
- New Detention Basins
- Sedimentation Basins
- Increase Reservoir Storage\*
- Levees/Floodwalls

### Limit Exposure & Vulnerability

- Land Acquisition/Relocation
- Flood Proofing
- Warning Systems
- Raising a Structure in Place
- Update Emergency Action Plans and Hazard Maps

### Storm Water Conveyance

- Bypass Channels
- Diversion Channels\*
- Tunnels\*
- Channel Improvements\*

### Dam Safety

- Auxiliary Spillway Improvements
- Relocation of Auxiliary Spillway
- Modify Dam Operations
- Remove Dams

\* Anchor Measure

**Plan Formulation:** The process of building alternatives and eventual plans that meet study objectives while also avoiding any study constraints in order to achieve a complete and effective plan.

**Management Measure:** Generalized concept or approach that addresses one or more problems.

**Anchor Measure:** A management measure that serves as the basis for the alternative and contributes the greatest benefit to addressing a problem(s).

**Alternative:** Consists of either a stand-alone management measure or a combination of management measures as a means of addressing problems and objectives. For this study, alternatives would be either a stand-alone anchor measure or an anchor measure combined with other management measures.

## Alternatives Developed Around the Anchor Measure

No Action	Storage		Conveyance			Dam Safety	Comprehensive	Nonstructural
Alt #1	Alt #2 S1	Alt #3 S2	Alt #4 C1	Alt #5 C2	Alt #6 C3	Alt #7 Dam Safety	Alt #8	Alt #9
No Action	New Reservoir/Dam	Increase Reservoir Storage	Tunnels	Diversion	Channel Improvements	Change to Auxiliary Spillway	Best of Storage & Conveyance Alternatives Combined	Nonstructural

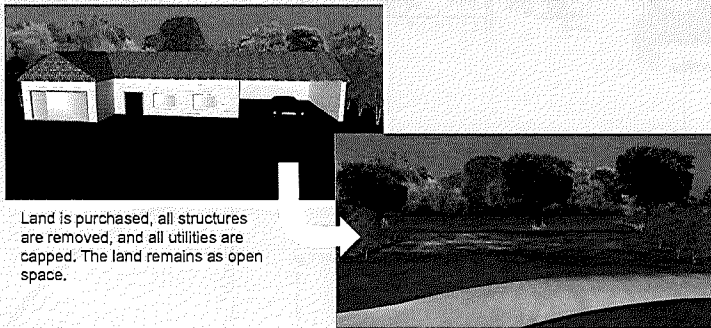
\* Note: Each alternative may have additional non-anchor measures added to the alternative to further reduce risk.



# Potential Measures that Limit Exposure and Vulnerability

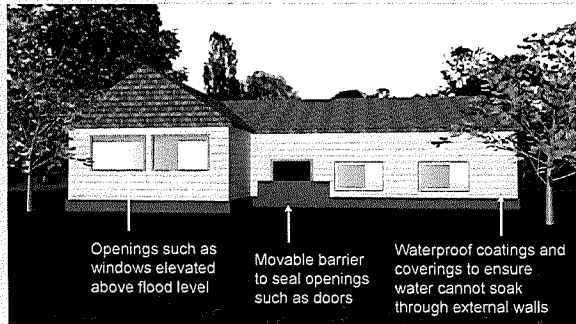
Nonstructural Measures reduce human exposure or vulnerability to a flood hazard without altering the nature or extent of that hazard.

- A **hazard** for this study refers to water associated with flooding within the Buffalo Bayou Watershed.
- An **exposure** is who or what would be impacted by the hazard
- A **vulnerability** is how susceptible exposed people and properties are to damage or harm from the hazard.



Land is purchased, all structures are removed, and all utilities are capped. The land remains as open space.

Land Acquisition



Openings such as windows elevated above flood level

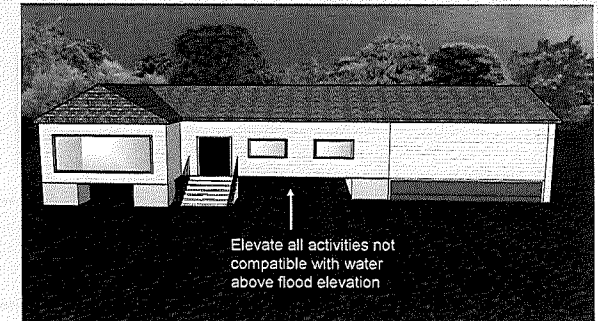
Movable barrier to seal openings such as doors

Waterproof coatings and coverings to ensure water cannot soak through external walls

Flood Proofing

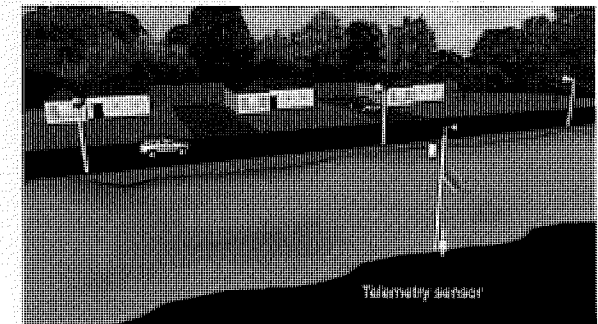
## Nonstructural Measures Being Considered

- Land Acquisition
- Relocation
- Flood Proofing
- Warning Systems
- Raise Structure in Place
- Update Emergency Action Plans and Hazard Maps



Elevate all activities not compatible with water above flood elevation

Raise Structure in Place



Warning Systems

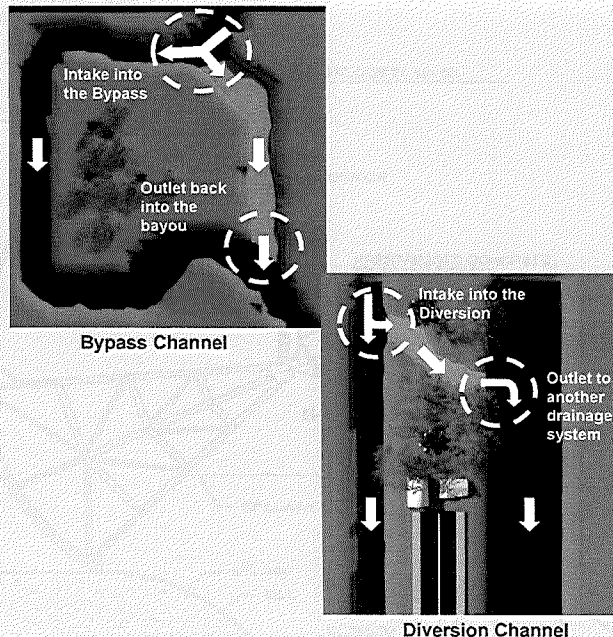


# Potential Storm Water Conveyance Measures

Structural measures that reduce the impacts of riverine flooding by improving how water moves through the drainage system.

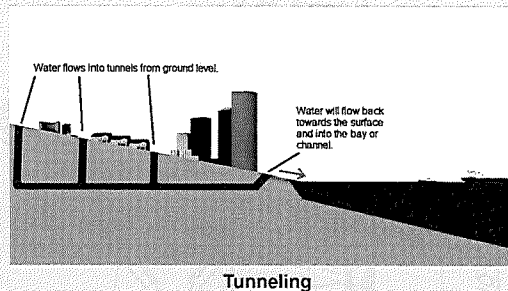
## Bypass and Diversion Channels

A channel that redirects river flows at a point upstream of a particular area and then discharge the flow back into the same river (bypass) or a separate nearby drainage system (diversion).



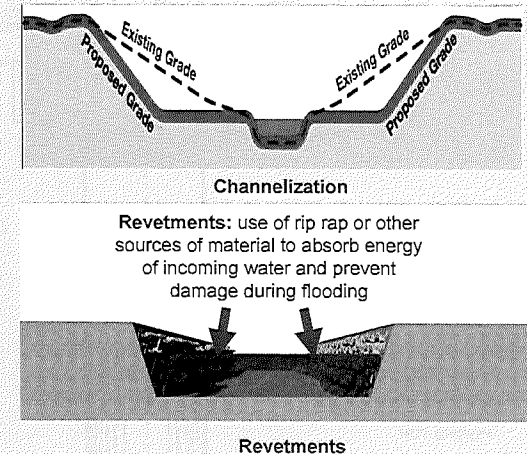
## Tunnels

An underground floodway that diverts excess floodwaters from the surface into underground tunnel. The tunnels would then carry and discharge water around the flood prone areas.



## Channel Improvements

Various measures that are undertaken to increase flow depths/widths and increase the overall carrying capacity and effectiveness.



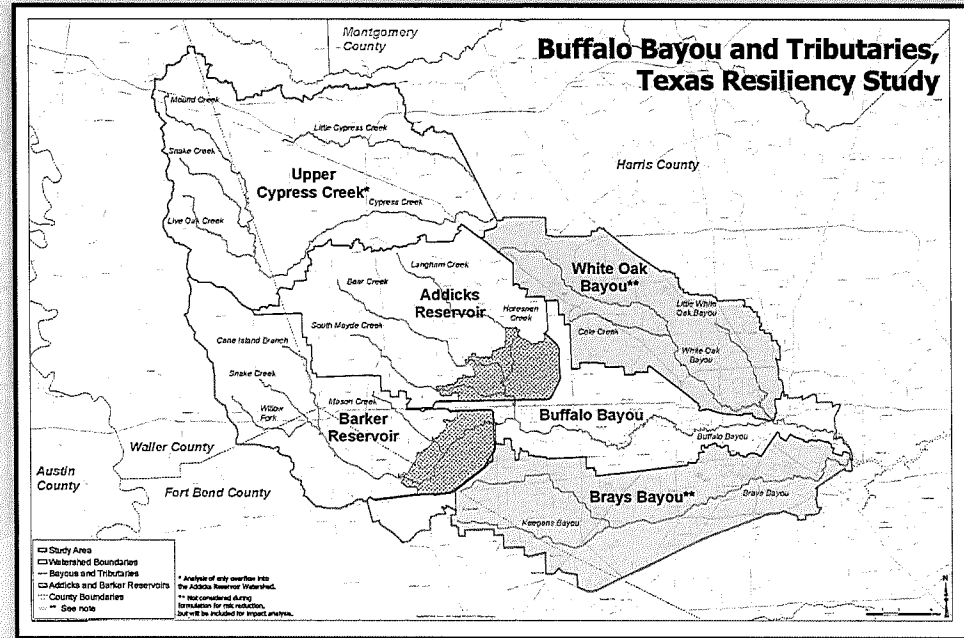
### **Other Forms of Channel Improvement:**

- Bridge modifications
- Add/Remove/Modify Culverts
- Weirs

# Study Overview

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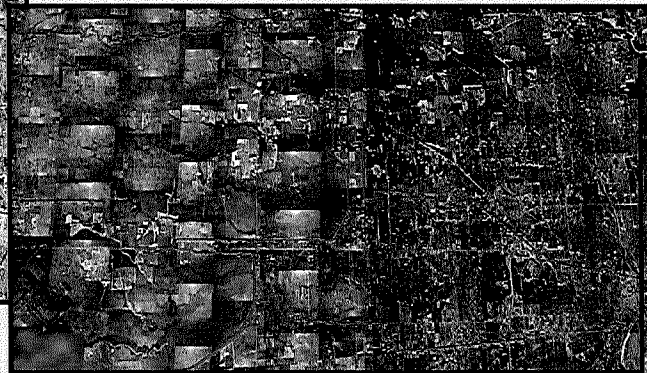
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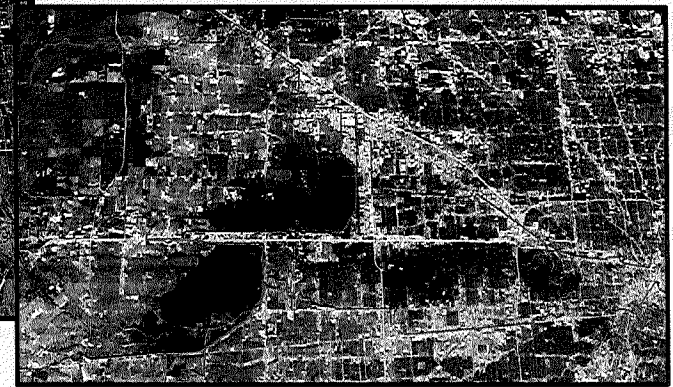
1953



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A number of physical improvements and operational changes to the project have been implemented in response to steady growth of the Houston metropolitan area. However, the watershed continues to experience major flood events, including the most recent and most significant during Hurricane Harvey in 2017.

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## **Problem -- Flooding**

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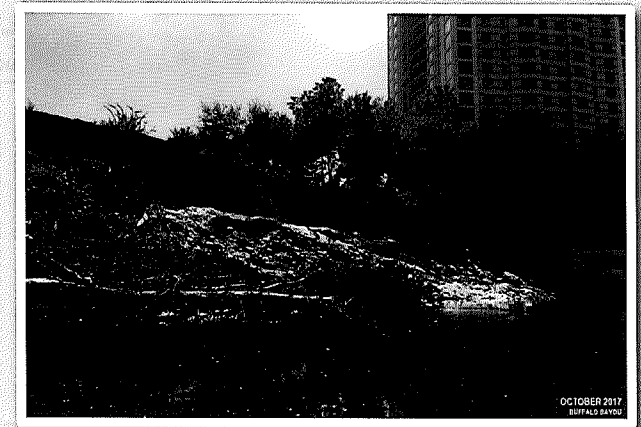
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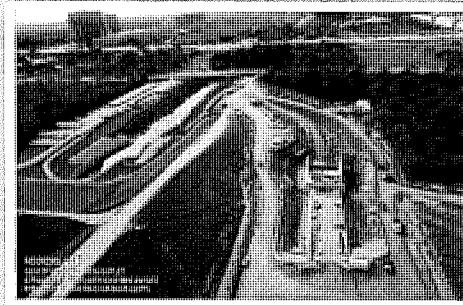
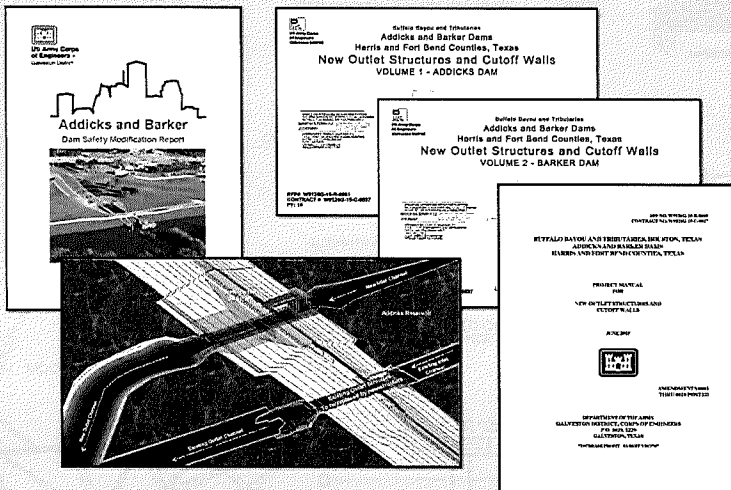


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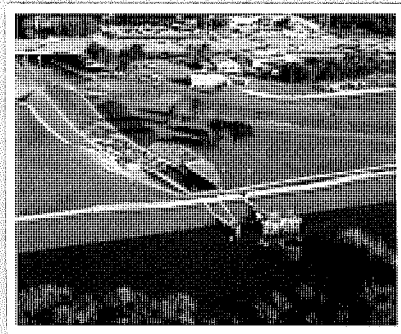
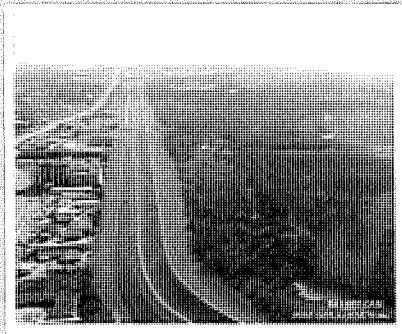
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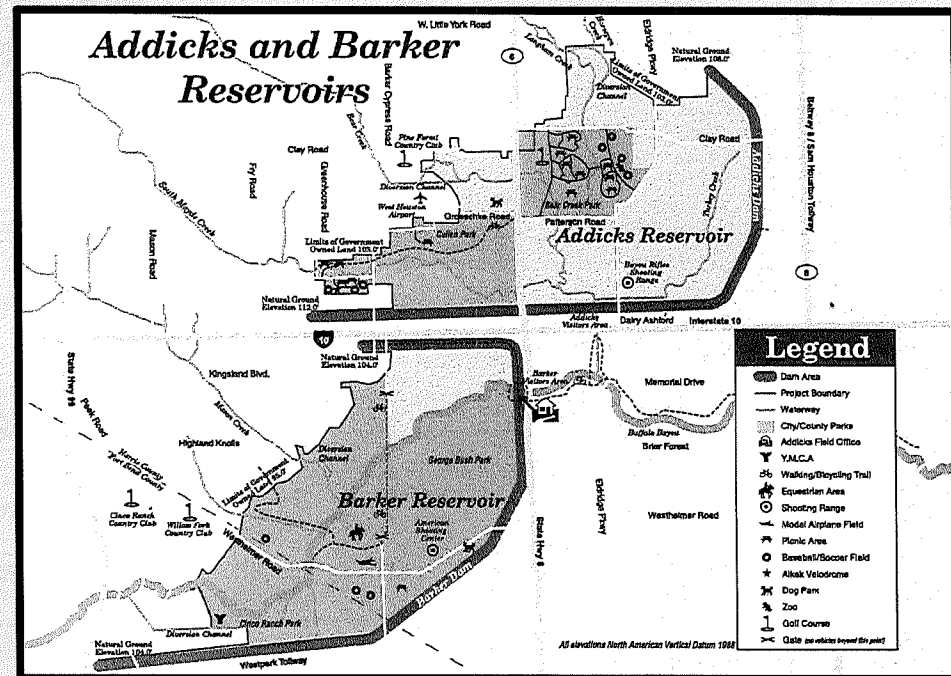
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# Plan Formulation

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\* Anchor Measure

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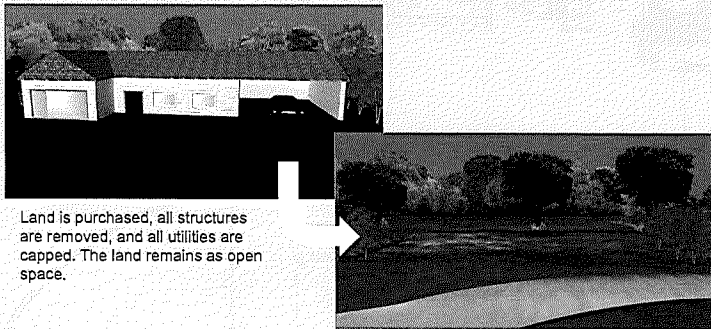
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# Potential Measures that Limit Exposure and Vulnerability

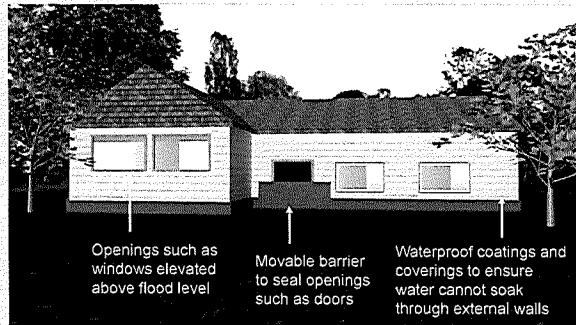
Nonstructural Measures reduce human exposure or vulnerability to a flood hazard without altering the nature or extent of that hazard.

- A **hazard** for this study refers to water associated with flooding within the Buffalo Bayou Watershed.
- An **exposure** is who or what would be impacted by the hazard
- A **vulnerability** is how susceptible exposed people and properties are to damage or harm from the hazard.



Land is purchased, all structures are removed, and all utilities are capped. The land remains as open space.

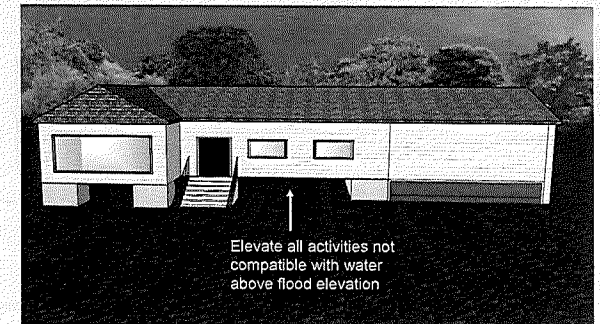
Land Acquisition



Flood Proofing

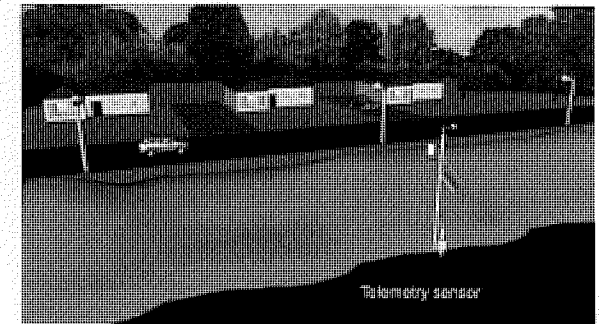
## Nonstructural Measures Being Considered

- Land Acquisition
- Relocation
- Flood Proofing
- Warning Systems
- Raise Structure in Place
- Update Emergency Action Plans and Hazard Maps



Elevate all activities not compatible with water above flood elevation

Raise Structure in Place



Warning Systems

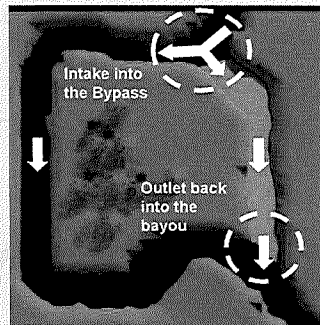


# Potential Storm Water Conveyance Measures

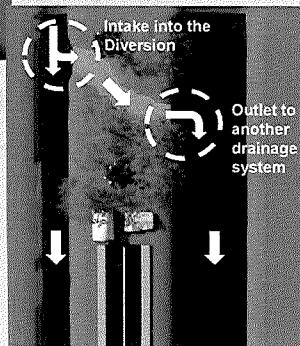
Structural measures that reduce the impacts of riverine flooding by improving how water moves through the drainage system.

## Bypass and Diversion Channels

A channel that redirects river flows at a point upstream of a particular area and then discharge the flow back into the same river (bypass) or a separate nearby drainage system (diversion).



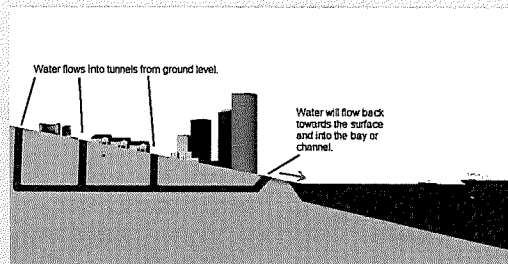
Bypass Channel



Diversion Channel

## Tunnels

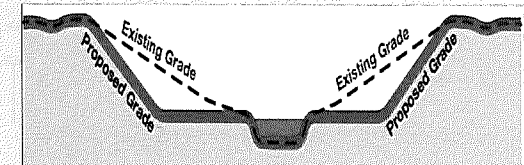
An underground floodway that diverts excess floodwaters from the surface into underground tunnel. The tunnels would then carry and discharge water around the flood prone areas.



Tunneling

## Channel Improvements

Various measures that are undertaken to increase flow depths/widths and increase the overall carrying capacity and effectiveness.



Channelization

**Revetments:** use of rip rap or other sources of material to absorb energy of incoming water and prevent damage during flooding

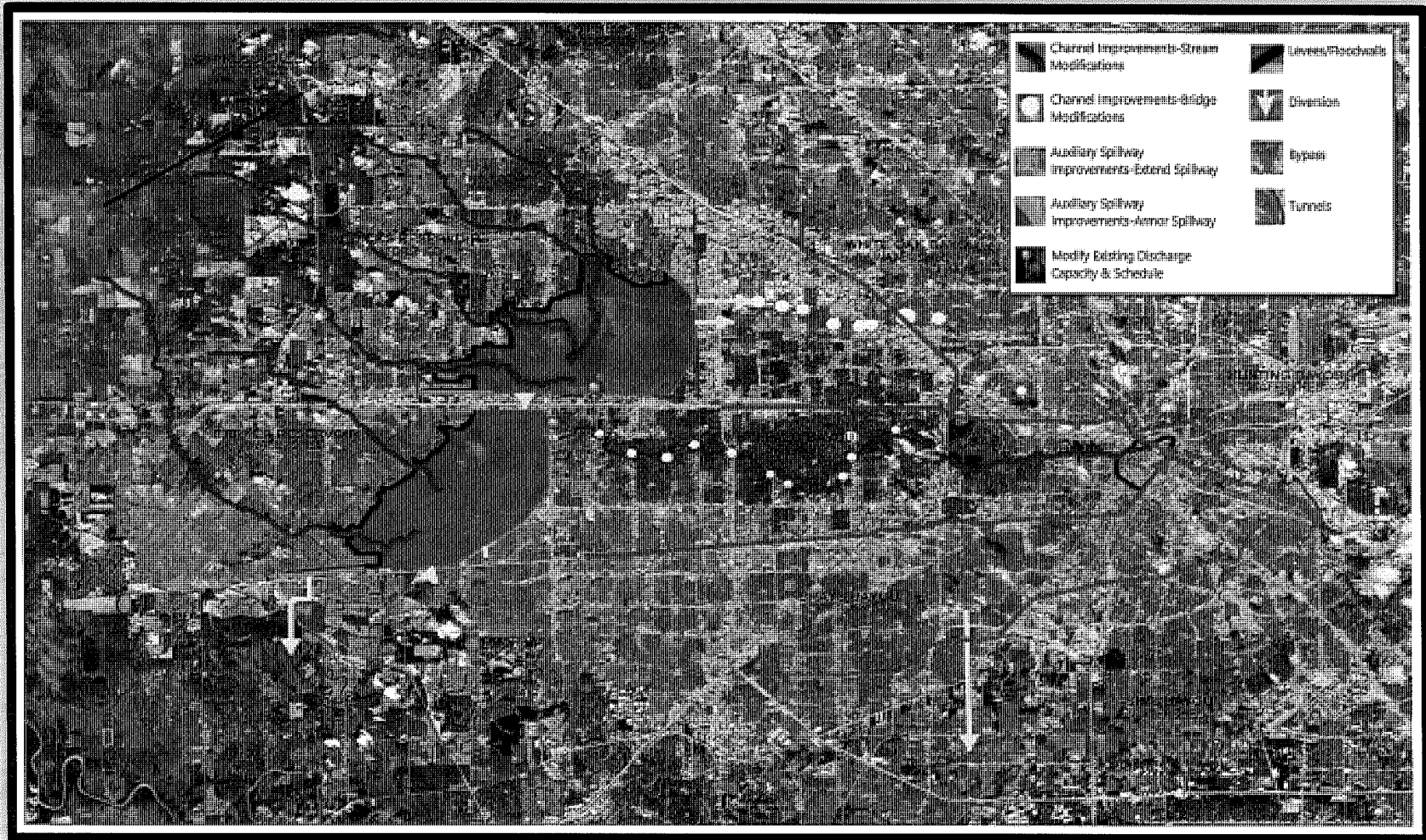


Revetments

## **Other Forms of Channel Improvement:**

- Bridge modifications
- Add/Remove/Modify Culverts
- Weirs

# Potential Storm Water Conveyance Measures



**Note: These measures and locations are conceptual and subject to change during the formulation and technical analyses phase. Any combination or subset of these measures could be included in the alternatives developed.**

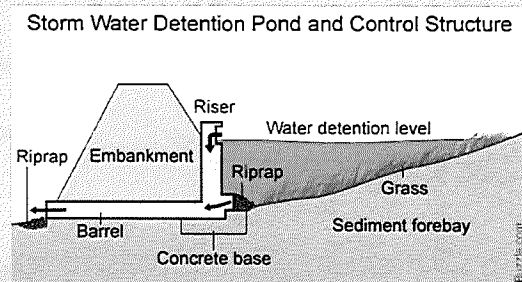
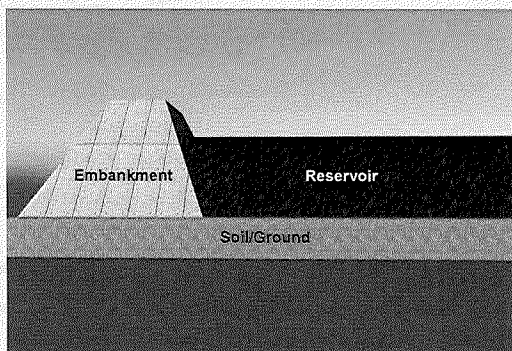


# Potential Storm Water Storage Measures

Structural measures that store a portion of the flood waters so that the peak flows are minimized in downstream areas.

## New Dams and Reservoirs

Dams are constructed across waterways to regulate water levels and flooding downstream of the dam by temporarily storing the flood volume and releasing it in a regulated manner, like Addicks and Barker Reservoirs.

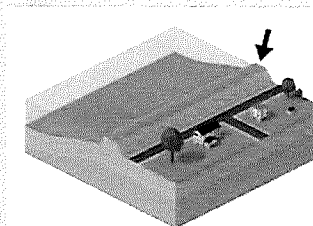


## Detention Basins

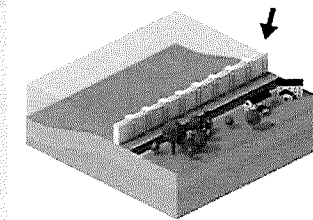
Excavations on the landscape used to receive and temporarily store surface flows. Flows are then slowly released at a predetermined rate into a natural or man-made drainage channel once the receiving channel has sufficient carrying capacity. Basins may not have a permanent pool of water.

## Levees/Floodwalls

Both floodwalls and levees provide a barrier between surging waters and built structures.



**Levees:** Artificial mounds of compacted soil with sloping sides and a wide crest.

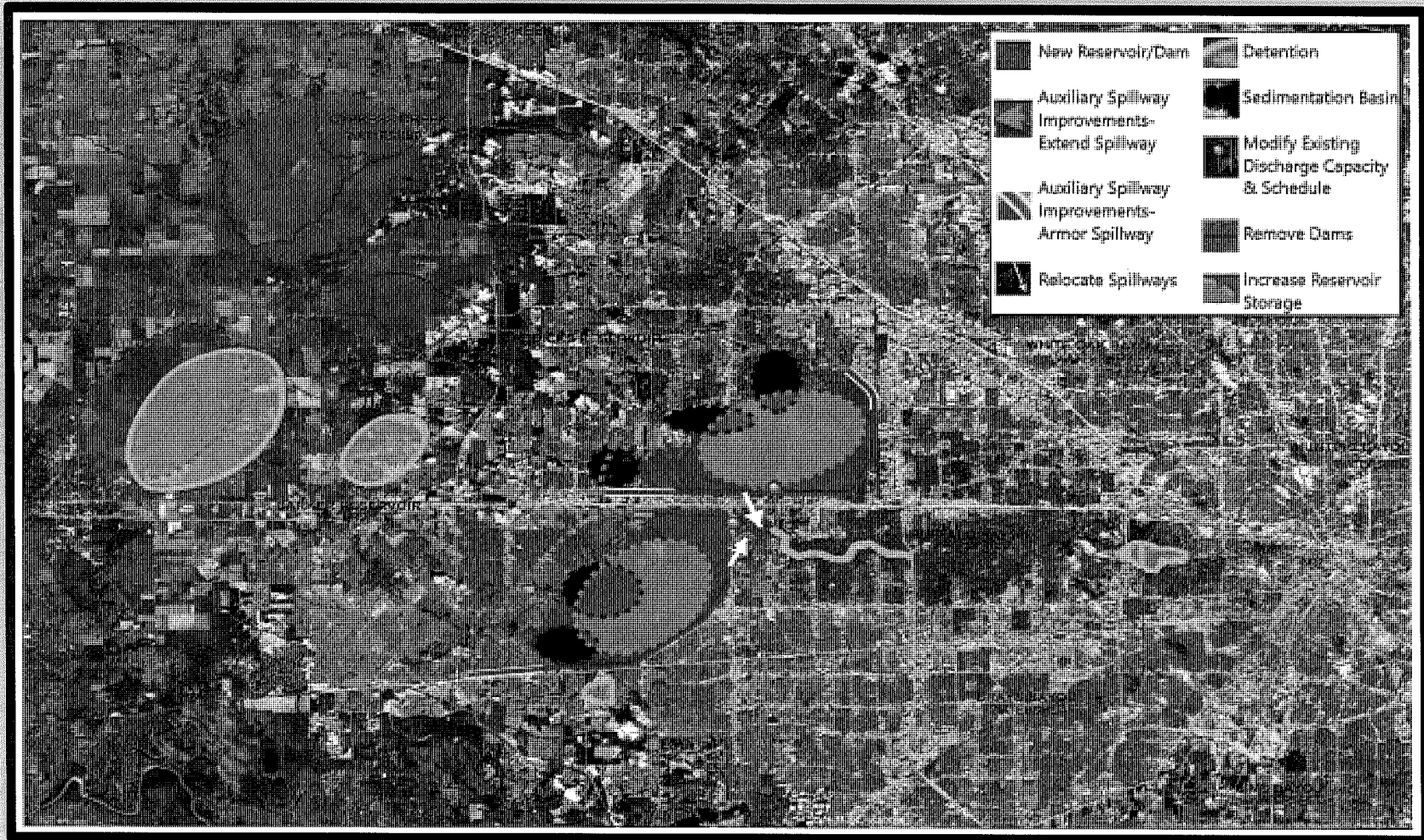


**Floodwalls:** Engineered structures made of reinforced concrete

## Increase and/or Restore Reservoir Storage

Regain storage space by removing sediments from the reservoir or raising the dam.

# Potential Storm Water Storage Measures



**Note:** These measures and locations are conceptual and subject to change during the formulation and technical analyses phase. Any combination of a subset of these measures could be included in the alternatives developed.



# Study Process

2018



**Study Start:** The USACE and Harris County Flood Control District (HCFCF) partnered to initiate the study.

## We Are Here



**Scoping Period:** The public and interested stakeholders are invited to public meetings and are given the opportunity to ask questions and identify issues or concerns, review measures, and identify potentially significant effects that should be considered.

2019



**Formulation of Alternatives and Technical Analysis:** Technical experts will identify solutions to the problem, develop conceptual designs, determine the rough costs and benefits of each alternative, and identify the environmental and social impacts of each alternative.



**Tentatively Selected Plan Identified:** The team has completed sufficient analysis to determine the most cost-effective and technically feasible plan.

2020



**Public Review of the Draft Report and EIS:** The technical studies are compiled into a Feasibility Report and all impacts are disclosed in the EIS. Both reports are made available for public review and individuals are invited to provide feedback, comments, concerns, etc. Several public meetings will be held with informational exhibits, presentations, and staff available to answer questions.



**Final Reports Completed:** The team scaled the measures and features of the recommended plan in response to more detailed analysis and public comments received during the public review period.

2021



**Study Complete:** The Chief of Engineers endorses the recommended plan in a Chief's Report and the Record of Decision is signed. All reports are forwarded to Congress for review to approve.

## What is NEPA?

### National Environmental Policy Act (NEPA) of 1969

- One of the nation's oldest environmental laws
- Requires Federal agencies to consider and disclose the environmental and social effects of their proposed actions in a publically available document.

## What type of document will be prepared?

An Environmental Impact Statement (EIS) will be prepared and fully disclose the:

- Purpose and Need,
- Alternatives Considered,
- Baseline Conditions,
- Environmental Effects,
- Social Effects.

An EIS results in a Record of Decision (ROD)

## What topics are being evaluated?

- Air Quality
- Climate Change
- Hydrology
- Water Quality
- Wetlands
- Fish and Wildlife Resources
- Recreation
- Traffic
- Land Use
- Cultural and Historic Resources
- Economics and Socioeconomics
- Noise

# How Can You Participate?

## ▪ Today's Scoping Meeting

- Review information on the display boards and handouts
- Ask the USACE and HCFCD Staff questions

## ▪ Provide Comments

- Place comment cards in comment box tonight
- E-mail comments to: [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil)
- Mail comments to:

**3 Options to  
Submit Your  
Comments**

Comments must  
be postmarked by:

**May 31, 2019**

USACE, Galveston District

Attn: BBTRS

PO Box 1229

Galveston, TX 77553-1229

# Where Can I Get Information?

**For additional information, please visit our website where you can find:**

- This Evening's Presentation
- A Copy of the Display Boards
- Meeting Handouts
- Latest Updates on the Study

**[https://www.swg.usace.army.mil/Missions/Projects/ Buffalo-Bayou-and-Tributaries-Resiliency-Study/](https://www.swg.usace.army.mil/Missions/Projects/Buffalo-Bayou-and-Tributaries-Resiliency-Study/)**

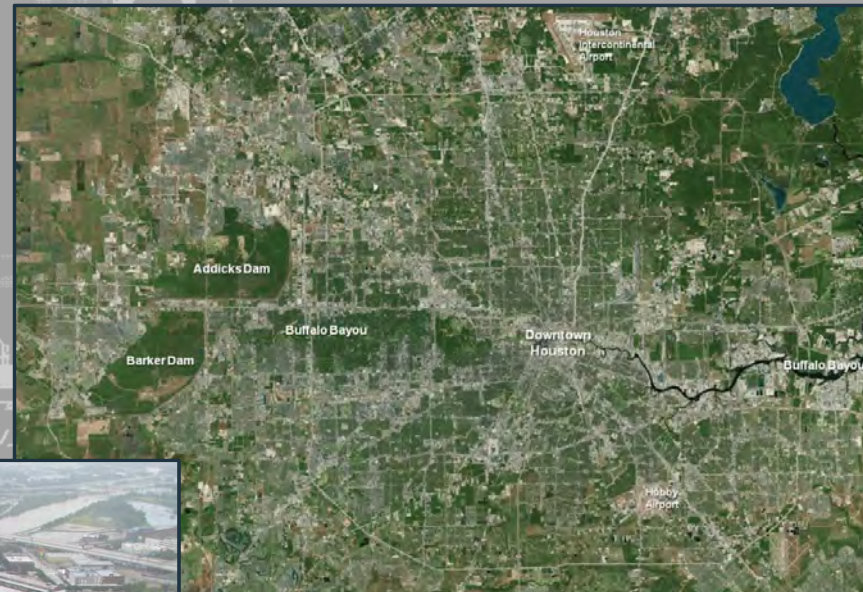


# Buffalo Bayou and Tributaries Resiliency Study

Public Meetings

30 April; 2, 7-9 May, 2019

Andrew Weber, P.E. – Project Manager



*"The views, opinions and findings herein are those of the author and do not constitute an official Department of the Army position or official documentation."*



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# Presentation Purpose & Agenda

Purpose: To provide an update on the Buffalo Bayou & Tributaries Resiliency Study to include and solicit public comment. This presentations will include:

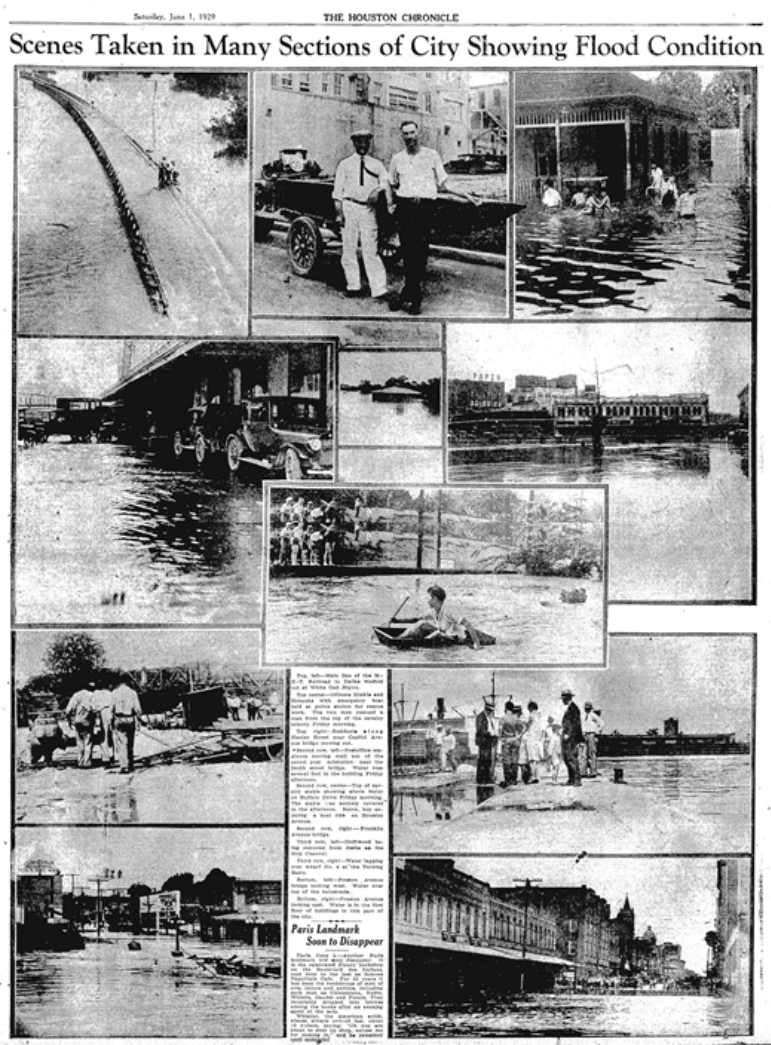
- Background
- Study Overview
- The Public Scoping Process
- Study Update
- Path Forward





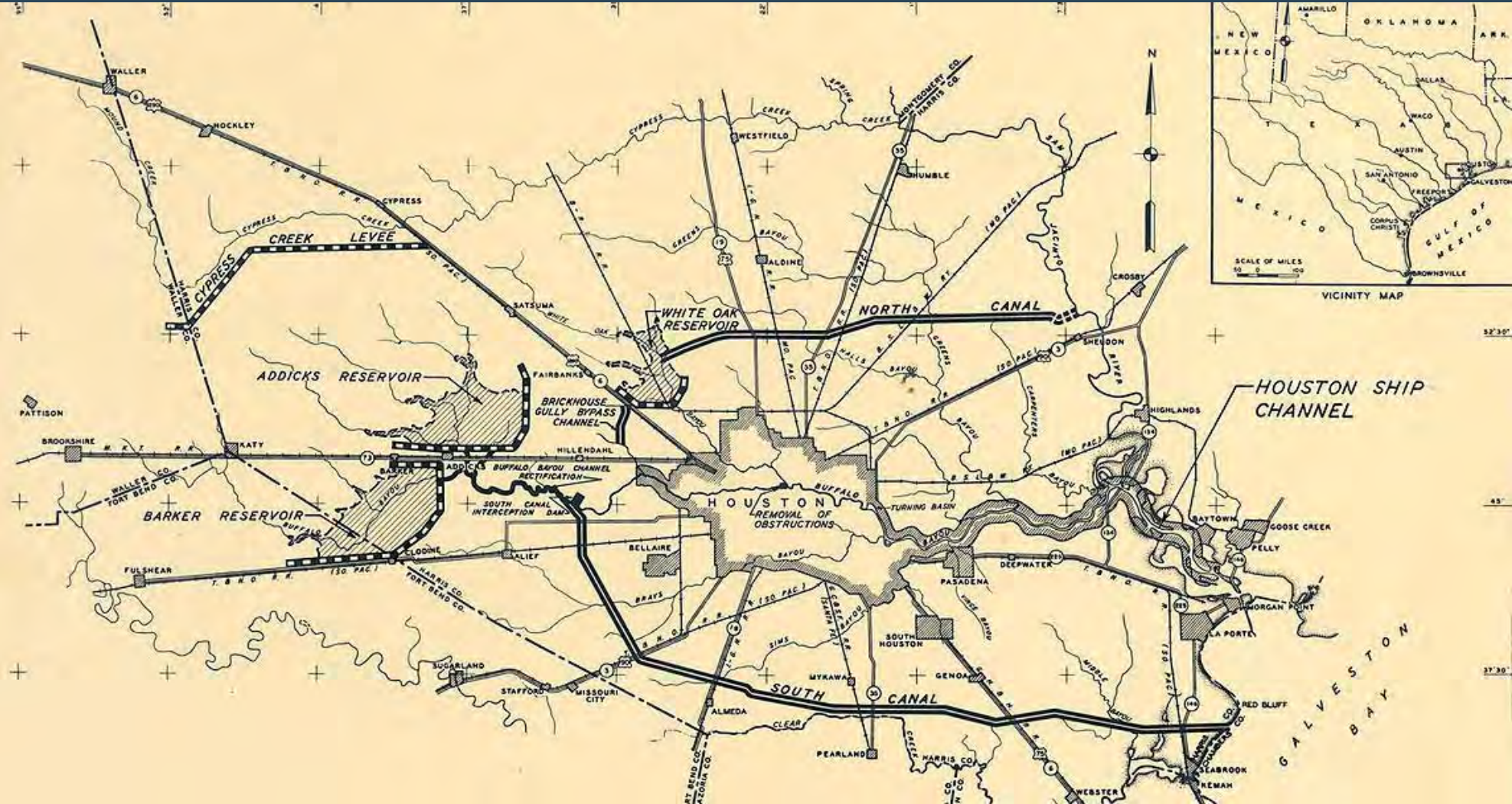
# Early Houston Floods

31 May 1929, 1-2 June 1929 and 7-10 December 1935



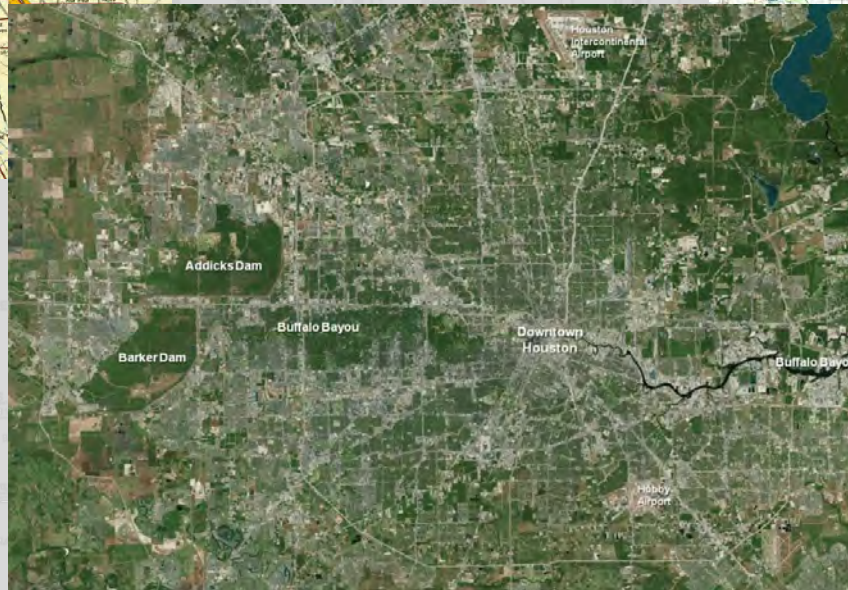
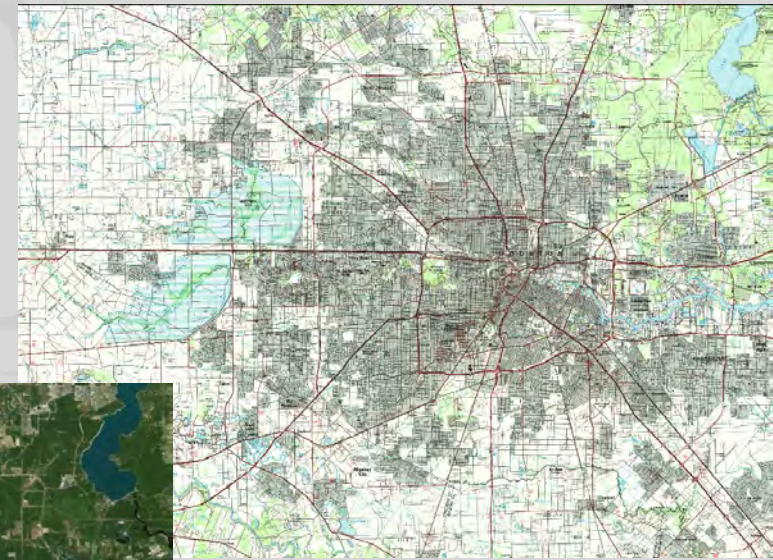
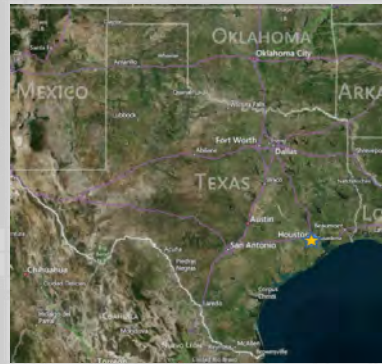
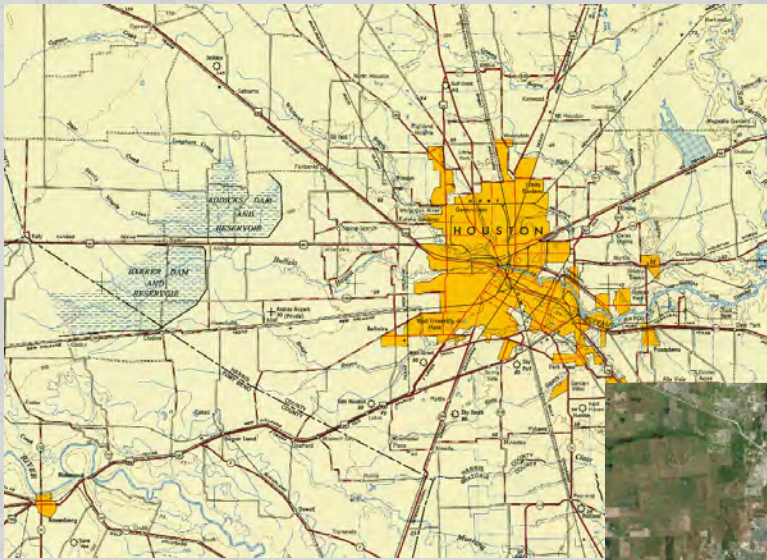


# Buffalo Bayou & Tributaries 1940's Original Plan





# Houston 1950, 1992, 2016



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# Study Summary

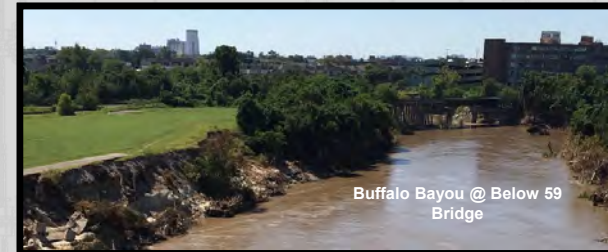
**Study:** Buffalo Bayou & Tributaries Resiliency Study  
**Authorization:** Section 216 of Flood Control Act of 1970  
**Appropriation:** Bipartisan Budget Act of 2018  
**Budget:** \$6 Million (100% Federal)

**Purpose:** Flood Risk Management (FRM)  
**Non-Federal Sponsor:** Harris County Flood Control District

**Study Start:** October 2018  
**Scheduled Completion:** October 2021

**Scope:**  
To identify, study, and recommend measures to address flood risk along Buffalo Bayou

To perform a Dam Safety Modification Evaluation on Addicks and Barker Dams, and if necessary, identify, study, and recommend measures to reduce risks associated with the structural performance of the dams.





# Public Scoping Period

- **Public Scoping Period: 29 April – 31 May 2019**

- **Public Scoping Meetings**

1. April 30, 2019 from 5-8 p.m. - Kingsland Baptist Church Activity Center, 20555 Kingsland Blvd, Katy, TX 77450
2. May 2, 2019 from 5-8 p.m. - St John Vianney Catholic Church Activity Center, 625 Nottingham Oaks Trail, Houston, TX 77079
3. May 7, 2019 from 5-8 p.m. - Trini Mendenhall Community Center, 1414 Wirt Rd, Houston, TX 77055
4. May 8, 2019 from 5-8 p.m. - UofH DT, Wilhelmina Cullen Robertson Auditorium, 3rd Floor (Main St Level) of Academic building, 1 Main St, A350, Houston, TX 77002
5. May 9, 2019 from 6-9 p.m. - Cypress Ridge High School, 9th grade cafeteria, 7900 N. Eldridge Parkway, Houston, TX 77041.  
\*Presentations at 6:30, 7:30, and 8:30

**Format: Open House, with formal presentation at 5:30, 6:30, 7:30, unless otherwise noted.**

**All material & presentations will be the same for each meeting.**

**Submit Your Comment:**

1. **Comment card at public meeting**
2. **Email: [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil)**
3. **Mail to: USACE, Galveston District, ATTN: BBTRS  
P.O. Box 1229  
Galveston, TX, 77553**

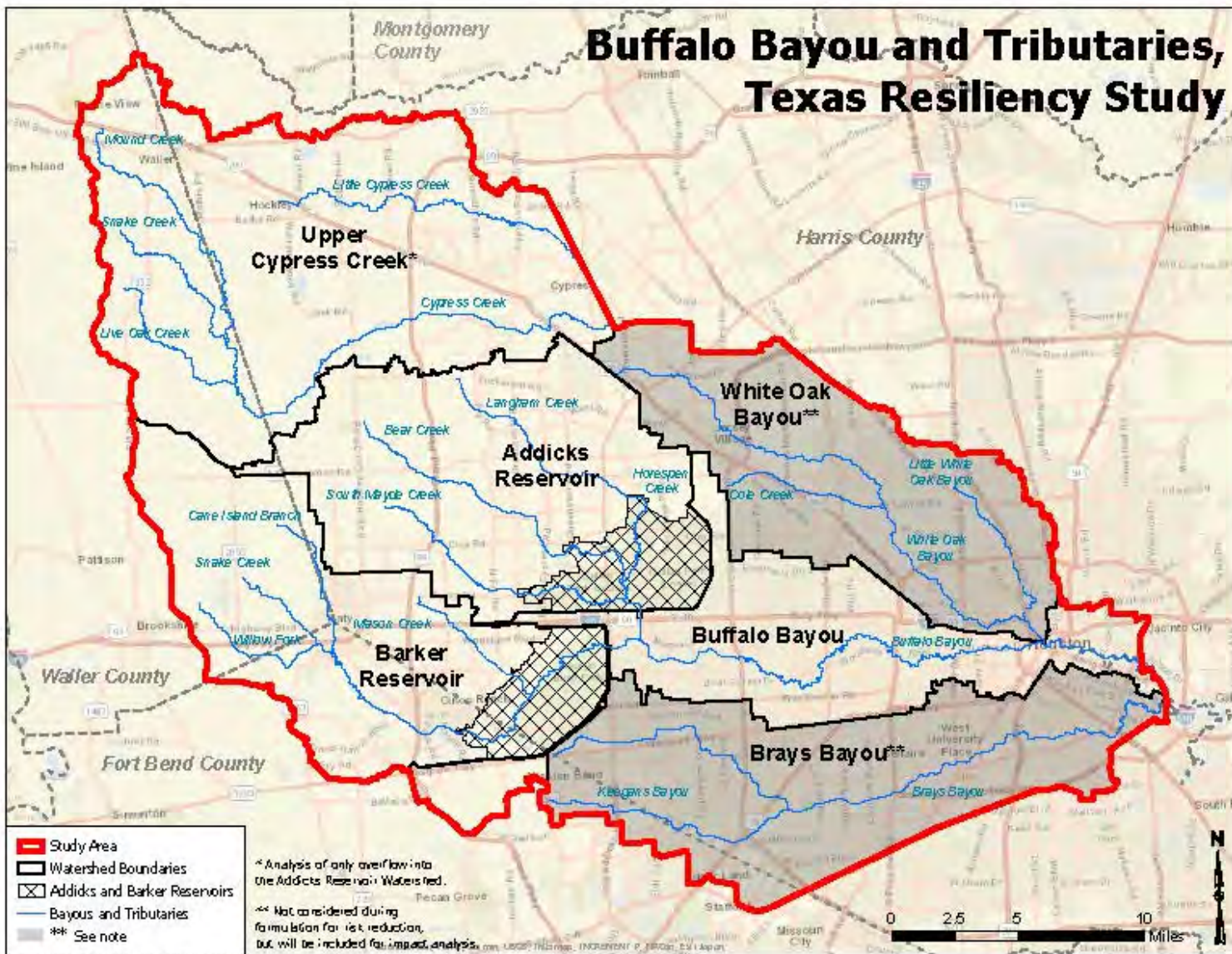


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# Buffalo Bayou and Tributaries, Texas Resiliency Study





# Study Problems

## Problems:

Three primary problem areas have been identified.

1. Flooding downstream of the reservoirs on Buffalo Bayou (Dam Surge Releases and from other non-impounded rainfall)
2. Flooding Upstream of the reservoirs from impoundment of water above government owned land and natural runoff traveling to the reservoirs.
3. Performance and risk issues related to flow around and over the uncontrolled spillways.





# Buffalo Bayou



Event Date	HWM
Harvey-2017	71.6
4/28/09	65.4
3/4/92	64.5
4/18/16	65.3
5/26/15	62.9



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# Barker Reservoir



## Top 5 Pools

Date	Elevation
Harvey - 2017	101.6
Apr 2016	95.22
Mar 1992	93.60
Nov 2002	93.24
Nov 1998	92.31





# Addicks Reservoir



## Top 5 Pools

Date	Elevation
Harvey - 2017	109.1
Apr 2016	102.65
Mar 1992	97.64
Apr 2009	97.08
Nov 2002	96.63







# Study Goal and Objectives

**Goal:** Improve the effectiveness of Addicks and Barker project and reduce the upstream and downstream flood risks along Buffalo Bayou and Tribs.

## Objectives

- Reduce damages from river flooding/reservoir pool flooding on channels upstream and downstream
- Optimize the reservoir operations
- Optimize/improve/safely convey detained water
- Reduce sediment and erosion
- Reduce risk of dam failure
- Reduce risk to health and life safety



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# Study Opportunities & Constraints

## Opportunities

- Improve transportation reliability during flood events
- Engineer with nature and implement nature-based features
- Increase public awareness and education
- Improve flood forecasting and also improve emergency response and coordination
- Provide increased recreational opportunities

## Constraints

- No unmitigated adverse impacts
- Limited open land
- Historic opposition to environmental impacts on Buffalo Bayou



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# Potential Measures

## STRUCTURAL

- Tunnels
- Bypass
- Diversion
- Levees
- New Reservoir/Dam
- Detention
- Channel Improvements
- Sedimentation Basin
- Increase Reservoir Storage
- Auxiliary Spillway Improvements
- Remove Dams
- Modify Existing Discharge Capacity
- Relocation of Auxiliary Spillway

## NON-STRUCTURAL

- Change Release Schedules in the Addicks and Barker Water Control Manual
- Buyout/Acquisition
- Dry/Wet Flood Proofing
- Flood Warning Systems
- Signage
- Public Education/Outreach about Risk
- Update Emergency Action Plan/Hazard maps



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# Alternatives Development

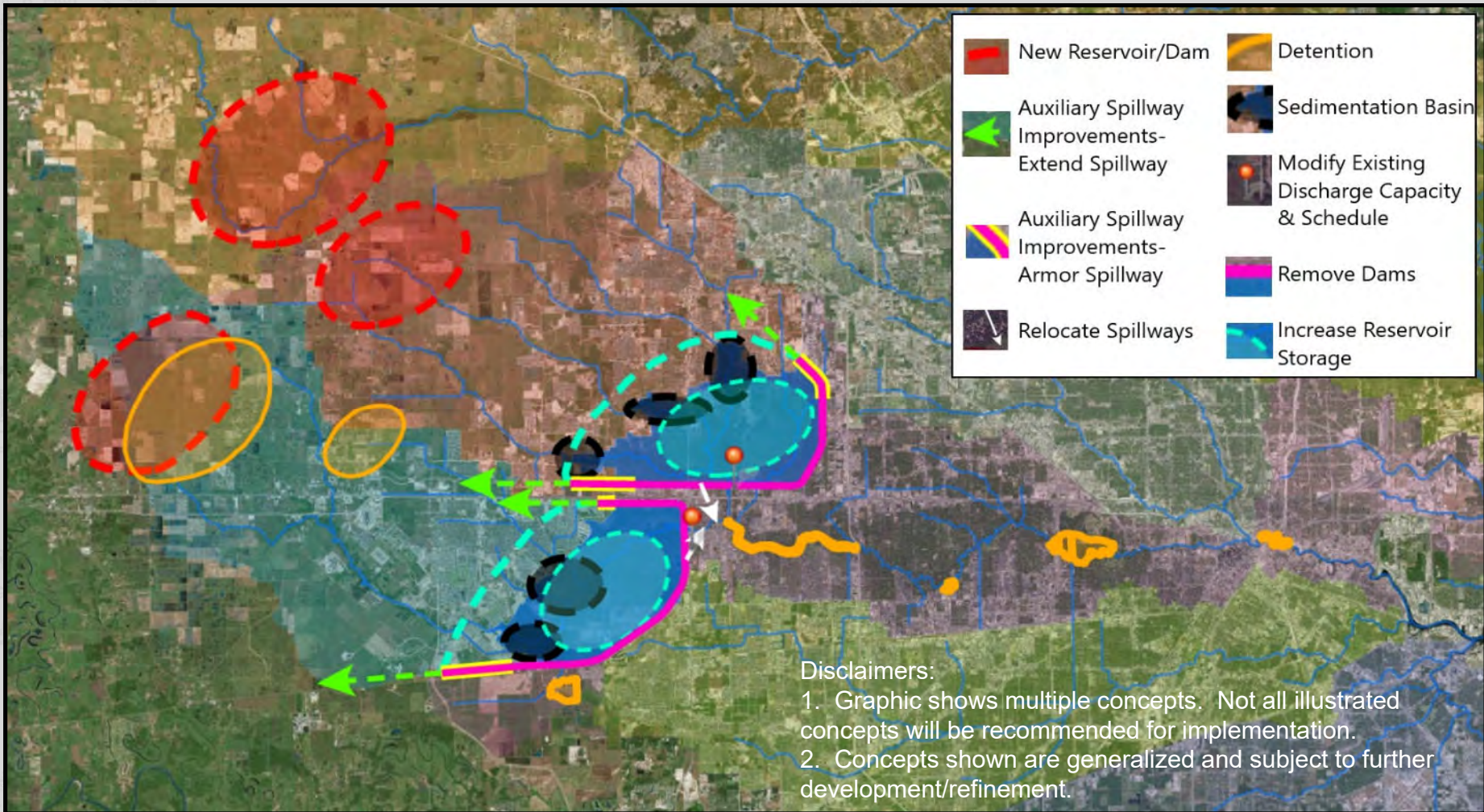
## Strategies for combining measures into alternatives

- Storage –
  - Detention
  - Levees/Floodwalls
  - Increase Reservoir Storage
  - New Reservoir/Dam
  - Sediment Sump
- Conveyance – to effectively move water
  - Tunnels
  - Bypass
  - Diversion
  - Channel Improvements
- Dam Safety –
  - Additional Spillway
  - Auxiliary Spillway Improvements
  - Relocate Auxiliary Spillway
  - Remove the dams



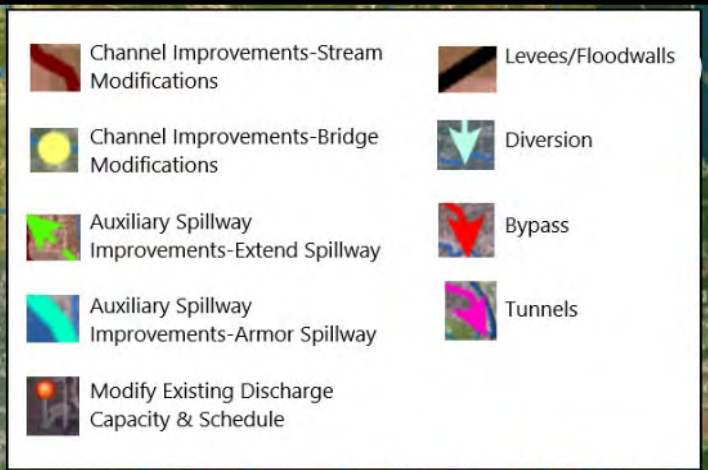


# Storage Strategies





# Conveyance Strategies



Disclaimers:  
1. Graphic shows multiple concepts. Not all illustrated concepts will be recommended for implementation.  
2. Concepts shown are generalized and subject to further development/refinement.



# Array of Alternatives

## Strategies for combining measures into alternatives

- Anchor Measures
  - Potential to have system wide impact.
  - Potential to generate the majority of benefits by itself

	Storage		Conveyance			Dam Safety	Comprehensive	Nonstructural
Alt #1	Alt #2 S1	Alt #3 S2	Alt #4 C1	Alt #5 C2	Alt #6 C3	Alt #7 Dam Safety	Alt #8	Alt #9
No Action	New Reservoir/Dam	Increase Reservoir Storage	Tunnels	Diversion	Channel Improvements	Auxiliary Spillway Improvements	Best of S & C	Nonstructural

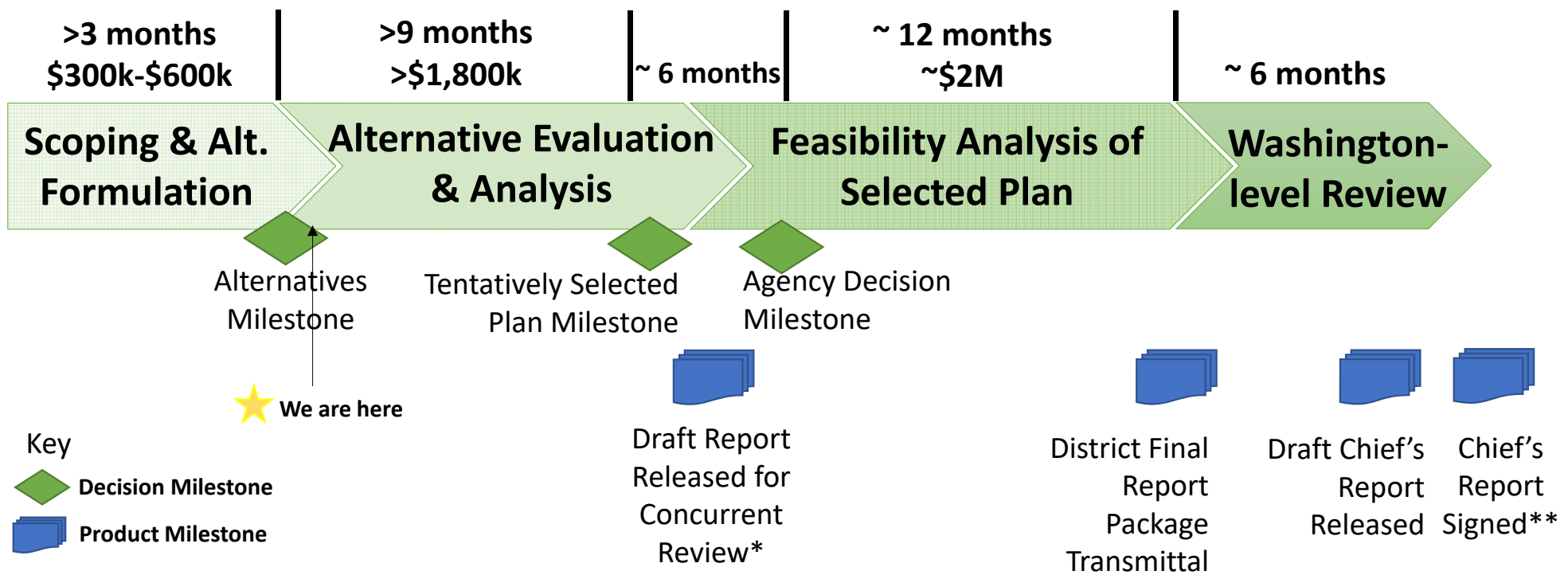


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# The Feasibility Study Process: Approximate Times to Reach Key Decision & Product Milestones in a 3-Year, \$6M Study



\*Scheduled Summer 2020

\*\*Scheduled October 2021



# Upcoming Activities

- **Continued Concept Development**
  - **Engineering**
  - **Environmental & Cultural**
  - **Real Estate**
  - **Cost**
  - **Economics**
- **Evaluation & Comparison of Alternatives**
- **Tentatively Selected Plan Milestone – April 2020**
- **Draft Report & Public Review Period – June 2020**
- **Chiefs Report – October 2021**



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# Questions



**Thank You**

**Follow the study:**  
email: [BBTRS@usace.army.mil](mailto:BBTRS@usace.army.mil)  
<https://www.swg.usace.army.mil>



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# Buffalo Bayou and Tributaries Resiliency Study

**Are you a public official?**

¿Es usted un funcionario público?

Yes

No

**Public Meeting**

Kingsland

Trini Mendenhall

Saint John Vianney

UH Downtown

Cypress Ridge HS

**Position** Posición: \_\_\_\_\_

**First and Last Name** Nombre y Apellido: \_\_\_\_\_

**Mailing Address** Dirección de Envío: \_\_\_\_\_

**E-mail Address** Correo Electrónico: \_\_\_\_\_

**Affiliation/Neighborhood** Afiliación: \_\_\_\_\_

**Was your home flooded in the last 5 years?**

¿Su casa fue inundada en los últimos 5 años?

Yes

No

**To what depth?**

¿A qué profundidad? \_\_\_\_\_

**Do you want to be put on our mailing list for future information/meetings?**

¿Quieres ser incluido en nuestra lista de direcciones para enviarte información?

Yes

No

**How did you hear about the meeting?**

¿Como escuchaste acerca de la reunión?

Newspaper

Social Media

Radio

Organization/Civic Association

Other



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# Buffalo Bayou and Tributaries Resiliency Study

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Radio

Organization/Civic Association

Other

## Buffalo Bayou and Tributaries Resiliency Study Attendance Record of Early Scoping Public Meetings

Meeting	Name	Number of People	Position
Kingsland	Gregory Owen	1	
Kingsland	Brony Jones	1	
Kingsland	David Stockard	1	
Kingsland	Craig Kalkomey	1	
Kingsland	Michael Huffmaster	1	
Kingsland	Patrick Friend	1	
Kingsland	Barbra Brentlinger	1	
Kingsland	Sherry and Vidar Andersen	2	
Kingsland	Cory Stoll	1	
Kingsland	Manuel Cano	1	
Kingsland	James Welsh	1	
Kingsland	Bruce Newell	1	
Kingsland	Chris and Christine Seibel	2	
Kingsland	Erich Schroeder	1	
Kingsland	Heather Zayas	1	
Kingsland	Terry Adymson	1	
Kingsland	Mark De Buyl	1	
Kingsland	Robert Weyner	1	Director MUD 341
Kingsland	Mark Durka	1	MUD 341 Board Member
Kingsland	Theresa Wiens	1	
Kingsland	Orv Wiens	1	
Kingsland	Beverly Caljoun	1	
Kingsland	Henry Chang	1	
Kingsland	Samantha Haritus	1	
Kingsland	Stone Fagley	1	
Kingsland	Matt Galosi	1	
Kingsland	Colleen Fargham	1	
Kingsland	Wesley Hawker	1	
Kingsland	Tom Specht	1	
Kingsland	Roger Armstrong	1	
Kingsland	George Yand	1	
Kingsland	Matthew Berg	1	
Kingsland	Al and Aliece Brake	2	
Kingsland	Stan Kitzman	1	Superinttendent, Brookshire-Katy Drainage District
Kingsland	Clet and Marsha Landry	2	
Kingsland	Jim Robertson	1	
Kingsland	David Drake	1	President Cinco MUD 7
Kingsland	Mark Gredell	1	
Kingsland	Brian Weatherall	1	
Kingsland	Kelly Xie	1	
Kingsland	Brian Waggoner	1	Director BROD?
Kingsland	George and Joanna Reiter	2	

Kingsland	George and Roberta Durby	2	
Kingsland	Carlos H Gonzalez	1	
Kingsland	Richard Harman	1	
Kingsland	Ralph and Charolette Peil	2	
Kingsland	Janis Jemer	1	
Kingsland	David and Libby Clark	2	
Kingsland	John Barrett	1	
Kingsland	Bob Harris	1	
Kingsland	Judith McGlughlin	1	
Kingsland	Henry Kebodeaex	1	
Kingsland	Nick Kornuta	1	
Kingsland	Darrell Stucky	1	
Kingsland	Tom Hurley	1	
Kingsland	Mel Derong	1	
Kingsland	Richard Horstman	1	
Kingsland	Cory Wilder	1	
Kingsland	Justin Wells	1	
Kingsland	Paul Taylor	1	
Kingsland	Gregg Nady	1	
Kingsland	Rick St Clair	1	
Kingsland	Ken and Mario Christine Smith	2	
Kingsland	Robin L Armstrong	1	
Kingsland	Gerry Bergmanr	1	
Kingsland	Lark Sphenson	1	
Kingsland	Keith Ivy	1	
Kingsland	Andrea Oliver	1	
Kingsland	Dean Barnes	1	
Kingsland	Leola Ross	1	
Kingsland	David Frishman	1	
Kingsland	Terry Barr	1	
Kingsland	Ron Oliver	2	
Kingsland	David Corbin	1	
Kingsland	Gordon Wilkinson	1	
Kingsland	Paul Schaws	1	
Kingsland	Jerri Sadowski	1	
Kingsland	Noel Mcinnis	1	
Kingsland	Kyle Cloyes	1	
Kingsland	Allen Hess	1	
Kingsland	Sue and Bill Lierman	2	
Kingsland	Glenn Reddick	1	
Kingsland	T Scott McCay	1	
Kingsland	Lizetle Wende	1	
Kingsland	Ken Casey	1	
Kingsland	Raymond Lastovica	1	
Kingsland	Kenneth Schaudt	1	
Kingsland	Robert Poldervaart	1	
Kingsland	Joseph Sheridan	1	
Kingsland	Andy and Sarah Boal	2	
Kingsland	Ed and Gen Crawford	2	

Kingsland	Richard and Teresa Moro	2	
Kingsland	James Wilcos	1	
Kingsland	Tom	1	
Kingsland	Leticia Gonzalez	1	
Kingsland	Mark Vincent	1	Dr. Charnel Dev PHA
Kingsland	Alexander/ Magda Prissovsy	2	
Kingsland	James Poage	1	
Kingsland	Hortensia and Willaim Higgins	2	
Kingsland	Susanne Bredlau	1	Director Nottingham HOA
Kingsland	Debera and Ken Smith	2	
Kingsland	Kent Blancett	1	
Kingsland	Sybil Lowry	1	
Kingsland	Jamie Richards	1	
Kingsland	Deborah Derong	1	
Kingsland	Fredrick Neill	1	
Kingsland	Santhosh Joseph	1	
Kingsland	Mary and Pracetin KPC	2	
Kingsland	John and Martha McKinstry	2	
Kingsland	Stephen Tavelki	1	Cornerstgnis MUD Director
Kingsland	Robert Stowe	1	
Kingsland	Glennn Heathcock	1	
Kingsland	Felipe McNamara	1	
Kingsland	Richard McNamana	1	
Kingsland	James Counce	1	
Kingsland	Wayne Wilson	1	
Kingsland	Max Altorfer	1	
Kingsland	Tom Windorf	1	
Kingsland	Reme Whik	1	
Kingsland	Will Hickman	1	Memorial Glen HOA
Kingsland	Mary Owen	1	
Kingsland	Vahe Asadurian	1	
Kingsland	John Cameron	1	Cdirector Mason Creek UD
Kingsland	John Voll	1	
Kingsland	Marlin Williford	1	
Kingsland	Jennifer and Allen Berryman	2	
Kingsland	Dennis R Kilpatrick	1	
Kingsland	Evelyn Garland	1	
Kingsland	Thomas Zowry	1	
Saint John Vianney	Greg Travis	1	Houston City Council District G
Saint John Vianney	Claudia Morales	1	Staff for Lizze Fletcher
Saint John Vianney	Melissa Torbet	2	
Saint John Vianney	Colin Leach	2	
Saint John Vianney	Michael Bloom	1	
Saint John Vianney	Beatrice Bomba	1	
Saint John Vianney	Bernard Goizoechea	1	



Saint John Vianney	Randy Jones	1	
Saint John Vianney	Robert Bucher	1	
Saint John Vianney	Pat and Chuck Gray	2	
Saint John Vianney	Al Flores	1	
Saint John Vianney	Fred and Rosie Graves	2	
Saint John Vianney	John and Carole Moore	2	
Saint John Vianney	AL and Barbara Denson	2	
Saint John Vianney	Paul Dolan	2	
Saint John Vianney	Peter and Patricial Wilson	2	
Saint John Vianney	Friendhelm and Judann Luening	2	
Saint John Vianney	Joe and Diana Ramsey	2	
Saint John Vianney	Lois Myers	1	
Saint John Vianney	Robert Stewart	1	
Saint John Vianney	Steve Fitzgerald	1	
Saint John Vianney	Mayra Sierra	1	
Saint John Vianney	Walt Thome	1	
Saint John Vianney	Demir Karsan	1	
Saint John Vianney	Andy Adams	1	
Saint John Vianney	Charles Gfortk	1	
Saint John Vianney	Crystal Stapleton	1	
Saint John Vianney	Barbara Bozemon	1	
Saint John Vianney	Robin Krenek	1	
Saint John Vianney	Joseph Smith	1	
Saint John Vianney	Sallie Alcorn	1	
Saint John Vianney	Dalia Azios	1	
Saint John Vianney	Robin Giammaruti	1	
Saint John Vianney	John Smart	1	
Saint John Vianney	MaryAnn Bocox	1	
Saint John Vianney	Joan Alford	1	
Saint John Vianney	Mary Reinosd	1	
Saint John Vianney	Patrica Peters	1	
Saint John Vianney	H Probert		
Saint John Vianney	Refused to Sign In	1	
Saint John Vianney	Scott M Fleming	1	
Saint John Vianney	Kathrn Earle	1	
Saint John Vianney	Larry Jzmilton	1	
Saint John Vianney	Kathryn Clark	1	
Saint John Vianney	Satoshi Mochizula	1	
Saint John Vianney	Peter Seidel	1	
Saint John Vianney	Dean Robenaldt	1	
Saint John Vianney	Bunda Trevino	1	
Saint John Vianney	Frederick Plummer	1	
Saint John Vianney	Robin Menuet	1	
Saint John Vianney	Robert Miesen	1	
Saint John Vianney	Anthony Castiglie	1	
Saint John Vianney	Sue Steinbis	1	
Saint John Vianney	Catherine Strong	1	
Saint John Vianney	David Sproul	1	
Saint John Vianney	Hua Chang	1	

Saint John Vianney	Gwen Kelley	1	
Saint John Vianney	John Sehn	1	
Saint John Vianney	Diana Howie	1	
Saint John Vianney	Jack Liu	1	
Saint John Vianney	Shanon Cornelius	1	HOA President
Saint John Vianney	Jean Gilruth	1	
Saint John Vianney	Angela Owens	1	
Saint John Vianney	Robert Krinock	1	
Saint John Vianney	Mary Jo Alberto	1	
Saint John Vianney	Jean Lue Slirilf	1	
Saint John Vianney	Nick Kornuta	1	
Saint John Vianney	Elaine hutzelman	1	
Saint John Vianney	Shoira Takiroua	1	
Saint John Vianney	Paul Barone	1	
Saint John Vianney	Selim Shaker	1	
Saint John Vianney	Dorian Myers	1	
Saint John Vianney	Micheal Looney	1	
Saint John Vianney	John Peyton	1	
Saint John Vianney	Roberta Perry	1	
Saint John Vianney	Steve Anderson	1	
Saint John Vianney	Henry Egan	1	
Saint John Vianney	Cath Bussa	1	
Saint John Vianney	Joanne Chewrieve	1	
Saint John Vianney	Robert Owen	1	
Saint John Vianney	Earl Vanzat	1	
Saint John Vianney	Bedford Percy	1	
Saint John Vianney	Clay Fernandez	1	
Saint John Vianney	Charles Beal	1	
Saint John Vianney	Barbara Robins	1	
Saint John Vianney	Mark Narro	1	
Saint John Vianney	Kelly Humphries	1	
Saint John Vianney	Sandra Moore	1	
Saint John Vianney	Chris Janda	1	
Saint John Vianney	Robt Tartell	1	
Saint John Vianney	Myrizm Lopez	1	
Saint John Vianney	Micheal William	1	
Saint John Vianney	Geoge Alcorn	1	
Saint John Vianney	Harry Bussa	1	
Saint John Vianney	Pat Whitnel	1	
Saint John Vianney	Robert Rossen	1	
Saint John Vianney	Jack Carlson	1	
Saint John Vianney	Jim Narum	1	
Saint John Vianney	Cynthia Neely	1	
Saint John Vianney	Paul and Dana Cutts	2	
Saint John Vianney	Roger Murray	1	
Saint John Vianney	Wendy Petuzzi	1	
Saint John Vianney	Linda Rawson	1	
Saint John Vianney	Julie Heil	1	
Saint John Vianney	Mel Derong	1	

Saint John Vianney	David Nelson	1	
Saint John Vianney	Brooke Williams	1	
Saint John Vianney	James Squire	1	
Saint John Vianney	Brad Moore	1	
Saint John Vianney	Larry Funk	1	
Saint John Vianney	Carmell Whitehead	1	
Saint John Vianney	John Askounis	1	
Saint John Vianney	Jill Robson	1	
Saint John Vianney	Mitch Gaspard	1	
Saint John Vianney	Clare Wade	1	
Saint John Vianney	Greg Sergesketter	1	
Saint John Vianney	Wronald Bond	1	
Saint John Vianney	Ron Bond	1	
Saint John Vianney	Molly Bruce	2	
Saint John Vianney	Peter and Susan Sellier	2	
Saint John Vianney	Gayland and DeLanine Stehle	2	
Saint John Vianney	Carol Brown	1	
Saint John Vianney	Paula and Bob Gochnour	2	
Saint John Vianney	John Crossin	1	
Saint John Vianney	Matt Kelley	1	
Saint John Vianney	Cecilia Shappee	2	
Saint John Vianney	John and Laura Shamrock	2	
Saint John Vianney	Susan and Monte Duntun	2	
Saint John Vianney	May and David	2	
Saint John Vianney	Markus Dyson	2	
Saint John Vianney	Robert/Pat Rhaubddt	2	
Saint John Vianney	Beverly and Jerry Kimmitt	2	
Saint John Vianney	Rik Turrentine	2	
Saint John Vianney	Mike Vandusery	2	
Saint John Vianney	Tom and Euzanth Wordorf	2	
Saint John Vianney	Maryann and Gerold Russell	2	
Saint John Vianney	Patrick Jankowski	2	
Saint John Vianney	Wayne Wheeler	2	
Saint John Vianney	Gianni and Mary Matteucci	2	
Saint John Vianney	Pete and June Trammell	2	
Saint John Vianney	Mark Miller	2	
Saint John Vianney	Robert Schulze	2	
Saint John Vianney	CarolAnn Canducci	2	
Saint John Vianney	Jim and Cawdi Wood	2	
Saint John Vianney	Annessa Boane	2	
Trini Mendenhall	Edwarn Browne	1	
Trini Mendenhall	John Jackson	1	
Trini Mendenhall	Wayne Bostow	1	
Trini Mendenhall	Virginia Johnson	1	
Trini Mendenhall	James Mackey	1	
Trini Mendenhall	Jessica Koutny	1	
Trini Mendenhall	Tommi Jo Scott	1	
Trini Mendenhall	Susan Ghadimck	1	
Trini Mendenhall	Beau Johnson	1	

Trini Mendenhall	Stephen Harris	1	
Trini Mendenhall	John Keane	1	
Trini Mendenhall	Marlene Gafrick	1	
Trini Mendenhall	Scott Croston	1	
Trini Mendenhall	Sandra Ortiz	1	
Trini Mendenhall	Kyle Rogers	1	
Trini Mendenhall	Jayne Lenterma	1	
Trini Mendenhall	Ellen Custer	1	
Trini Mendenhall	Robyn Rasch	1	
Trini Mendenhall	Stanton	1	President Briar Bend HOA
Trini Mendenhall	Kay Haslam	1	
Trini Mendenhall	Sarah Bernhardt	1	
Trini Mendenhall	Bruce Nicctols	1	
Trini Mendenhall	Bob Phillips	1	
Trini Mendenhall	Ross Nager	2	
Trini Mendenhall	Patricea Khudson Joiner	1	
Trini Mendenhall	Refused to Sign In	1	
Trini Mendenhall	Michael Huffmaster	1	
Trini Mendenhall	Kent Clingerman	1	Rep for Commissioner HC Pct 4
Trini Mendenhall	Tim Thomas	1	
Trini Mendenhall	Lance Howard	1	
Trini Mendenhall	Blake Hamilton	1	
Trini Mendenhall	Richard Hyde	1	
Trini Mendenhall	Thomas Keley	2	
Trini Mendenhall	Elizabeth Beth	1	
Trini Mendenhall	Jacqueline Freeland	1	
Trini Mendenhall	Terri Thomas	1	
Trini Mendenhall	John O'Conor	1	President Super Neighborhood 17
Trini Mendenhall	Auggie Cambell	1	
Trini Mendenhall	David Van Bergen	1	
Trini Mendenhall	Robert Cooms	1	
Trini Mendenhall	Greg Branum	1	
Trini Mendenhall	Fariborz Frkheri	1	
Trini Mendenhall	David Durham	1	
Trini Mendenhall	Caol Caul	1	
Trini Mendenhall	Susan Taggart	1	
Trini Mendenhall	George Hammerlein	1	
Trini Mendenhall	Ajay Shastri	1	
Trini Mendenhall	Sallie Alcorn	1	
Trini Mendenhall	Bill Ware	1	
Trini Mendenhall	James Vig	1	
Trini Mendenhall	Greg Johnson	1	
Trini Mendenhall	Mitchell Winkler	1	
Trini Mendenhall	Beverly and Lee Martin	1	
UH Downtown	Stan Forbes	1	
UH Downtown	Christ McCall	1	



UH Downtown	Jorge Bustamante	1	
UH Downtown	Christ Sallese	1	
UH Downtown	Victor Martinez	1	
UH Downtown	Brain Gettinger	1	
UH Downtown	James Schriver	1	
UH Downtown	Guy Hagstette	1	
UH Downtown	Barry Klein	1	
UH Downtown	Robert Skeete	2	
UH Downtown	Joab Ortega	1	
UH Downtown	Evelyn Merz	1	
UH Downtown	Fangyi Lu	1	
UH Downtown	Jack Liu	1	
UH Downtown	Richard Hyde	1	
UH Downtown	David Abraham	1	Houston Plaing Commision
UH Downtown	Jan Forney	1	
UH Downtown	Carsyn White	1	
UH Downtown	Barry Onellette	1	
UH Downtown	Chip Place	1	
UH Downtown	James Honey	1	
Cypress Ridge HS	Roland Swartz	1	
Cypress Ridge HS	Larry Hogan	1	HOA Board
Cypress Ridge HS	Bill and Mary Pederson	2	
Cypress Ridge HS	Micheal Dach	1	
Cypress Ridge HS	Vanessa Sommer	1	
Cypress Ridge HS	Paul Morgan	1	
Cypress Ridge HS	Brenda Tolbert	1	
Cypress Ridge HS	Patrick Kelly	1	
Cypress Ridge HS	Susan Austin	1	
Cypress Ridge HS	Leah Stephanow	1	
Cypress Ridge HS	Daid Holsinger	1	
Cypress Ridge HS	Rayburn L	2	
Cypress Ridge HS	Vernon Vanis	1	
Cypress Ridge HS	Ceclia Valencia	1	
Cypress Ridge HS	Tony Sarmen	1	
Cypress Ridge HS	Alley Austi	1	
Cypress Ridge HS	Darlene Marmothia	2	HCMUD NA 225 Director
Cypress Ridge HS	Lisa Foley	1	
Cypress Ridge HS	Mary Ann Harvey	2	
Cypress Ridge HS	Paul	2	
Cypress Ridge HS	Micheal and Lucretic Irrera	2	
Cypress Ridge HS	Tim Kennedy	1	
Cypress Ridge HS	Sergio Flores	1	
Cypress Ridge HS	Marlene Lobberecht	1	
Cypress Ridge HS	Richard Hyde	1	
Cypress Ridge HS	Chris Cillins	1	
Cypress Ridge HS	Caddofs ReACCF	1	
Cypress Ridge HS	Joanne Smith	2	
Cypress Ridge HS	Eileen and George Koscho	2	

Cypress Ridge HS	Samantha harn	3	
Cypress Ridge HS	John Davis	1	
Cypress Ridge HS	Claudetter McCamley	1	
Cypress Ridge HS	Chris Reinhart	1	
Cypress Ridge HS	Jason Iken	1	
Cypress Ridge HS	Chris and Sheryl Melton	2	
Cypress Ridge HS	Thomas Trouton	2	
Cypress Ridge HS	Donald and Joy Fergeson	2	
Cypress Ridge HS	Pete Smullen	1	
Cypress Ridge HS	Patsy Gillham	1	
Cypress Ridge HS	Patricia M Gallagher	1	
Cypress Ridge HS	Refused to Sign In	1	
Cypress Ridge HS	Refused to Sign In	1	
Cypress Ridge HS	Refused to Sign In	1	





**US Army Corps  
of Engineers®**

## **Comment Form Instructions**

### ***Buffalo Bayou and Tributaries Resiliency Study Public Information Meeting***

*Comment Period: April 29, 2019 through May 31, 2019*

The U.S. Army Corps of Engineers is in the process of developing the Buffalo Bayou and Tributaries Resiliency Study which includes both Flood Risk Management and a Dam Safety Modification Study (DSMS). The flood risk management will identify and evaluate alternatives to reduce flooding upstream of the Addicks and Barker Dams as well as below in the Buffalo Bayou watershed. The DSMS will identify and evaluate alternatives to address Phase II measures of the Dam Safety Modifications on Addicks and Barker. Public input is especially needed regarding alternatives to consider.

**USACE Galveston District  
ATTN: BBTRS  
P.O. Box 1229  
Galveston, TX 77553-1229**

Place  
Stamp  
Here

**USACE Galveston District  
ATTN: BBTRS  
P.O. Box 1229  
Galveston, TX 77553-1229**