



San Jacinto Master Drainage Plan Community Engagement - Appendices List

December 2019 Public Meetings

- A. Summary Report
- B. Public Notice
- C. Stakeholder Database
- D. Registration Materials
- E. Elected Officials Sign-in Sheets Scanned
- F. Attendee Cards Scanned
- G. Attendee Database
- H. Comment form
- I. Comments Scanned
- J. Comment Database
- K. Handouts (Fact Sheet, How to Participate, Contact Sheet)

August 2020 Virtual Public Meeting

- A. Summary Report
- B. Public Notice
- C. Stakeholder Database
- D. Attendee Database
- E. Comments
- F. Comment Database
- G. Presentation and Script





San Jacinto Master Drainage Plan

DECEMBER 2019 Public Meetings





San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix A Summary Report





San Jacinto Regional Watershed Master Drainage Plan Public Meeting Summary Report FALL 2019

GENERAL INFORMATION

TOMBALL

Date and Time: December 16, 2019 3:00 p.m. - 7:30 p.m. Location:

Lonestar Bekendorf Conference Center 30555 Tomball Parkway Tomball, Texas 77375

Recorded Attendance: 14 Comments Recieved: 4

KINGWOOD

Date and Time: December 17, 2019 3:00 p.m. - 7:30 p.m. Location: **Kingwood Community Center** 4102 Rustic Woods Drive Kingwood, Texas 77345

Recorded Attendance: 159 Comments Recieved: 51

HUFFMAN

Date and Time: December 19, 2019 3:00 p.m. - 7:30 p.m. Location: **May Community Center** 2100 Wolf Road Huffman, T<u>exas 77336</u>

Recorded Attendance: 54 Comments Recieved: 14

Email Comments Recieved: 17



Attendees veiw an exhibit showing the San Jacinto River watershed.

SAN JACINTO REGIONAL WATERSHED MASTER DRAINAGE PLAN



Attendees view exhibits and discuss the Study at the Kingwood open house.

STUDY OVERVIEW

This regional planning study, led by four local partners, including the Harris County Flood Control District (HCFCD), the San Jacinto River Authority (SJRA), Montgomery County, and the City of Houston, was kickstarted in 2019 to identify future flood mitigation projects that can be implemented in the near- and long-term to reduce flood risks to people and property throughout the San Jacinto River Watershed. The San Jacinto Regional Watershed Master Drainage Plan (SJMDP) team hosted three public open houses in December 2019 to encourage public participation and input in the SJMDP and provide information about other ongoing study efforts in the San Jacinto River Watershed. A second round of public open houses is anticipated to be held in summer 2020, and the final Study report is anticipated to be released in fall 2020. For more information about the Study and future public meetings, please visit sanjacstudy.org.

GOALS OF THE SJMDP

Overall, the SJMDP aims to provide an up-to-date technical basis to identify flooding vulnerabilities for future growth and improve flood resiliency within the watershed. The goals of the SJMDP are being achieved by the development of a set of hydrologic and hydraulic models for the major tributaries of the Upper San Jacinto River regional watershed (from the headwaters in Walker County to the Interstate 10 crossing at the San Jacinto River in Harris County). The models will use consistent, cohesive methodology and rainfall rates, regardless of the county in which those channels are located.





MEETING DISPLAY SUMMARY

Materials and presentations at all three meetings included information about the following projects, studies, and efforts in the region:

- San Jacinto Regional Watershed Master Drainage Plan
- Kingwood Area Drainage Analysis
- Huffman Area Drainage Analysis
- Spring Creek Watershed Planning Study
- Luce Bayou Watershed Planning Study
- Willow Creek Watershed Planning Study
- Jackson Bayou Watershed Planning Study
- Cedar Bayou Tributary Analysis
- Channel Maintenance, Repairs, and Service Requests
- San Jacinto River Authority-led Projects
- City of Houston-led Projects
- Harris County Permit Office
- Harris County Engineering Department Recovery and Resiliency Division
- Hurricane Harvey Repair Efforts
- Information about services provided by Harris County Flood Control District, Harris County and Montgomery County
- Kingwood Area General Information
- Harris County Flood Control District Projects
- Harris County Community Services Department

Attendees discuss exhibits with Study Team representatives.

COMMUNITY INPUT SUMMARY

- Concerns regarding study budget limiting the size of study area
- Concerns regarding localized flooding issues
- Concerns regarding drainage blockage under FM 2100
- Requests to include communities located in the I-10 & 610 area in the study
- Comments both in support of and against the Lake Conroe temporary seasonal lake lowering program
- Requests to build gates on Lake Houston to reduce flooding
- Requests to deepen the river south of Lake Houston to increase the amount of water it can move to the Houston Ship Channel
- Concerns that sandmining and silting of rivers are making flooding worse
- Concerns that not enough is being done to protect businesses in the Kingwood Town Center area



Attendees discuss exhibits with Study Team representatives.





San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix B Public Notice



Please join us for a public open house

The San Jacinto Regional Watershed Master Drainage Plan (SJMDP), led by the Harris County Flood Control District, along with other local partners Montgomery County, the City of Houston, and the San Jacinto River Authority (SJRA), will host a series of public open houses in December 2019. The purpose of the public open houses is to encourage public participation and input in the SJMDP and provide information about other study efforts in the San Jacinto River watershed.

The SJMDP study effort began in April 2019 to identify future flood mitigation projects that can be implemented in the near- and long-term to reduce flood risks to people and property throughout the San Jacinto River regional watershed. The SJMDP is jointly funded with 75 percent from the Federal Emergency Management Agency (FEMA) Hazard Mitigation Planning Program and 25 percent from the four local partners. Overall, the SJMDP aims to provide an up-to-date technical basis to identify flooding vulnerabilities for existing infrastructure and impacts from future growth to improve flood resiliency within the watershed. The SJMDP is expected to be complete in fall 2020. The SJMDP study area covers nearly 3,000 square miles located in seven different counties and includes approximately 535 miles of stream.

Public input and participation will be encouraged throughout the duration of the study. The first series of public open houses for this study effort will be held on the following dates and locations:

Monday, December 16, 2019 3:00 p.m. to 7:30 p.m. Lonestar Bekendorf Conference Center 30555 Tomball Parkway Tomball, Texas 77375 Tuesday, December 17, 2019 3:00 p.m. to 7:30 p.m. Kingwood Community Center 4102 Rustic Woods Drive Kingwood, Texas 77345 Thursday, December 19, 2019 3:00 p.m. to 7:30 p.m. May Community Center 2100 Wolf Road Huffman, Texas 77336

Materials, presentation, and format will be the same at all three meetings. Each open house will include information about the following projects, studies, and efforts in the region:

- San Jacinto Regional Watershed Master Drainage Plan
- Kingwood Area Drainage Analysis
- Huffman Area Drainage Analysis
- Spring Creek Watershed Planning Study
- Luce Bayou Watershed Planning Study
- Willow Creek Watershed Planning Study
- Jackson Bayou Watershed Planning Study
- Cedar Bayou Tributary Analysis

- SJRA-led Projects
- City of Houston-led Projects
- Harris County Permit Office
- Harris County Engineering Department Recovery and Resiliency Division
- Hurricane Harvey Repair Efforts
- Information about services provided by Harris County Flood Control District, Harris County and Montgomery County

The open houses will last from 3:00 p.m. to 7:30 p.m. Informational displays will be available for public viewing, and study representatives will provide information and answer questions. The open house format is intended to provide attendees with the opportunity to arrive and participate at their convenience. **No formal presentation will be made**.

Comments will be accepted at the public open houses and throughout the duration of the study. Comments may also be mailed to the Harris County Flood Control District, 9900 Northwest Freeway, Houston, Texas 77092, Attn: San Jacinto Regional Watershed Master Drainage Plan, or submitted online at <u>www.sanjacstudy.org/contact-us/</u>.

For more information about the San Jacinto Regional Watershed Master Drainage Plan, visit www.sanjacstudy.org.



REGIONAL WATERSHED MASTER DRAINAGE PLAN

San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix C Stakeholder Database

San Jacinto Regional Watershed Master Drainage Plan Stakeholder Database - December 2019

Elected Official - CityMayor Otis CohnCity of ClevelandElected Official - CityMayor Jeff LambrightCity of Dayton LakesElected Official - CityMayor Stephanie BlumeCity of DeversElected Official - CityMayor Stephanie BlumeCity of HardinElected Official - CityMayor Stephanie BlumeCity of HaurinElected Official - CityClarissa PerezCity of HoustonElected Official - CityCouncil Member Dave MartinCity of HoustonElected Official - CityCouncil Member Dave MartinCity of HoustonElected Official - CityMayor Merle AaronCity of HoustonElected Official - CityMayor Mayor MartingCity of HoustonElected Official - CityMayor Mayor MartingCity of KatyElected Official - CityMayor Mayor Marty WellsCity of KatyElected Official - CityMayor Yordd KanaCity of Oak Ridge NorthElected Official - CityMayor Pro Tem Paul BondCity of Dak Ridge NorthElected Official - CityMayor Lea Ann WalkerCity of Prairie ViewElected Official - CityMayor David AllenCity of StagecoachElected Official - CityMayor Danny MarburgerCity of StagecoachElected Official - CityMayor Danny MarburgerThe Woodlands TownshipElected Official - CityMayor Danny MarburgerThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official -	Stakeholder Category	Stakeholder Name	Organization	Email
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Elected Official - CityMayor Lee Ann WalkerCity of Plum GroveElected Official - CityMayor David AllenCity of Prairie ViewElected Official - CityMayor Leah TarrantCity of ShenanadoahElected Official - CityMayor Galen ManseeCity of StagecoachElected Official - CityMayor Danny MarburgerCity of WallerElected Official - CityGordy BunchThe Woodlands TownshipElected Official - CityBrian BonifaceThe Woodlands TownshipElected Official - CityJohn Anthony BrownThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Ralph Leino Jr.Town of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of MoodlochElected Official - CityJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2	Elected Official - City	Mayor Pro Tem Paul Bond	City of Oak Ridge North	
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Elected Official - CityMayor Leah TarrantCity of ShenanadoahElected Official - CityMayor Galen ManseeCity of StagecoachElected Official - CityMayor Danny MarburgerCity of WallerElected Official - CityGordy BunchThe Woodlands TownshipElected Official - CityBrian BonifaceThe Woodlands TownshipElected Official - CityJohn Anthony BrownThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor David Allen	City of Prairie View	
Elected Official - CityMayor Galen ManseeCity of StagecoachElected Official - CityMayor Danny MarburgerCity of WallerElected Official - CityGordy BunchThe Woodlands TownshipElected Official - CityBrian BonifaceThe Woodlands TownshipElected Official - CityJohn Anthony BrownThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor Leah Tarrant	City of Shenanadoah	
Elected Official - CityMayor Danny MarburgerCity of WallerElected Official - CityGordy BunchThe Woodlands TownshipElected Official - CityBrian BonifaceThe Woodlands TownshipElected Official - CityJohn Anthony BrownThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityAnn SnyderThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor Galen Mansee	City of Stagecoach	
Elected Official - CityGordy BunchThe Woodlands TownshipElected Official - CityBrian BonifaceThe Woodlands TownshipElected Official - CityJohn Anthony BrownThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityAnn SnyderThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor Danny Marburger	City of Waller	
Elected Official - CityBrian BonifaceThe Woodlands TownshipElected Official - CityJohn Anthony BrownThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityAnn SnyderThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerTown of Pine IslandElected Official - CityMayor Steve NagyTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Gordy Bunch	The Woodlands Township	
Elected Official - CityJohn Anthony BrownThe Woodlands TownshipElected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityAnn SnyderThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 2	Elected Official - City	Brian Boniface	The Woodlands Township	
Elected Official - CityBruce RieserThe Woodlands TownshipElected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityAnn SnyderThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	John Anthony Brown	The Woodlands Township	
Elected Official - CityShelley Sekula-GibbsThe Woodlands TownshipElected Official - CityAnn SnyderThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Bruce Rieser	The Woodlands Township	
Elected Official - CityAnn SnyderThe Woodlands TownshipElected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Shelley Sekula-Gibbs	The Woodlands Township	
Elected Official - CityBob MilnerThe Woodlands TownshipElected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Ann Snyder	The Woodlands Township	
Elected Official - CityMayor Steve NagyTown of Pine IslandElected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Bob Milner	The Woodlands Township	
Elected Official - CityMayor Chris ParrTown of Roman ForestElected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor Steve Nagy	Town of Pine Island	
Elected Official - CityMayor Ralph Leino Jr.Town of WoodlochElected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor Chris Parr	Town of Roman Forest	
Elected Official - CityMayor Sara CountrymanCity of MontgomeryElected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor Ralph Leino Jr.	Town of Woodloch	
Elected Official - CountyJudge Joe Fauth IIIGrimes CountyElected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - City	Mayor Sara Countryman	City of Montgomery	
Elected Official - CountyCommissioner Chad MallettGrimes County, Precinct 1Elected Official - CountyCommissioner David E.Grimes County, Precinct 2Elected Official - CountyCommissioner Barbara WalkerGrimes County, Precinct 3	Elected Official - County	Judge Joe Fauth III	Grimes County	
Elected Official - County Commissioner David E. Grimes County, Precinct 2 Elected Official - County Commissioner Barbara Walker Grimes County, Precinct 3	Elected Official - County	Commissioner Chad Mallett	Grimes County, Precinct 1	
Elected Official - County Commissioner Barbara Walker Grimes County, Precinct 3	Elected Official - County	Commissioner David E.	Grimes County, Precinct 2	
	Elected Official - County	Commissioner Barbara Walker	Grimes County, Precinct 3	
Elected Official - County Commissioner Phillip Cox Grimes County, Precinct 4	Elected Official - County	Commissioner Phillip Cox	Grimes County, Precinct 4	
Elected Official - County Judge Lina Hidalgo Harris County	Elected Official - County	Judge Lina Hidalgo	Harris County	



Stakeholder Category	Stakeholder Name	Organization	Emai
		Harris County Office of Emergency	
Elected Official - County	Brian Murray	Management	
Elected Official - County	Commissioner Rodney Ellis	Harris County, Precinct 1	
Elected Official - County	Commissioner Adrian Garcia	Harris County, Precinct 2	
Elected Official - County	Commissioner Steve Radack	Harris County, Precinct 3	
Elected Official - County	Commissioner R. Jack Cagle	Harris County, Precinct 4	
Elected Official - County	Judge Jay H. Knight	Liberty County	
Elected Official - County	Commissioner Bruce Karbowski	Liberty County, Precinct 1	
Elected Official - County	Commissioner Greg Arthur	Liberty County, Precinct 2	
Elected Official - County	Commissioner James Reaves	Liberty County, Precinct 3	
Elected Official - County	Commissioner Leon Wilson	Liberty County, Precinct 4	
Elected Official - County	Judge Mark J. Keough	Montgomery County	
Elected Official - County	Commissioner Mike Meador	Montgomery County, Precinct 1	
Elected Official - County	Commissioner Charlie Riley	Montgomery County, Precinct 2	
Elected Official - County	Commissioner James Noack	Montgomery County, Precinct 3	
Elected Official - County	Commissioner James Metts	Montgomery County, Precinct 4	
Elected Official - County	Judge Fritz Faulkner	San Jacinto County	
Elected Official - County	Commissioner Laddie McAnally	San Jacinto County, Precinct 1	
Elected Official - County	Commissioner Donny Marrs	San Jacinto County, Precinct 2	
Elected Official - County	Commissioner David Brandon	San Jacinto County, Precinct 3	
Elected Official - County	Commissioner Mark Nettuno	San Jacinto County, Precinct 4	
Elected Official - County	Judge Danny Pierce	Walker County	
Elected Official - County	Commissioner Danny	Walker County, Precinct 1	
Elected Official - County	Commissioner Ronnie White	Walker County, Precinct 2	
Elected Official - County	Commissioner Bill Daugette	Walker County, Precinct 3	
Elected Official - County	Commissioner Jimmy Henry	Walker County, Precinct 4	
Elected Official - County	Judge Carbett "Trey" J. Duhon	Waller County	
Elected Official - County	Commissioner John A. Amsler	Waller County, Precinct 1	
Elected Official - County	Commissioner Walter E. Smith	Waller County, Precinct 2	
Elected Official - County	Commissioner Jeron Barnett	Waller County, Precinct 3	
Elected Official - County	Commissioner Justin	Waller County, Precinct 4	
Elected Official - Federal	Congressman Brian Babin	United States House of	
Elected Official - Federal	Congressman Dan Crenshaw	United States House of	
Elected Official - Federal	Congressman Kevin Brady	United States House of	
Elected Official - Federal	Congressman Michael T.	United States House of	
Elected Official - Federal	Congresswoman Sheila Jackson	United States House of	
Elected Official - Federal	Senator John Cornyn	United States Senate	
Elected Official - Federal	Senator Ted Cruz	United States Senate	
Elected Official - State	Representative Ana Hernandez	Texas House of Representatives	
Elected Official - State	Representative Ben Leman	Texas House of Representatives	
Elected Official - State	Representative Briscoe Cain	Texas House of Representatives	
Elected Official - State	Representative Cecil Bell, Jr.	Texas House of Representatives	



Stakeholder Category	Stakeholder Name	Organization	Ema
Elected Official - State	Representative Dan Huberty	Texas House of Representatives	
Elected Official - State	Representative Earnest Bailes	Texas House of Representatives	
Elected Official - State	Representative Gina Calanni	Texas House of Representatives	
Elected Official - State	Representative Harold V.	Texas House of Representatives	
Elected Official - State	Representative Sam Harless	Texas House of Representatives	
Elected Official - State	Representative Steve Toth	Texas House of Representatives	
Elected Official - State	Representative Tom Oliverson	Texas House of Representatives	
Elected Official - State	Representative Valoree	Texas House of Representatives	
Elected Official - State	Representative Will Metcalf	Texas House of Representatives	
Elected Official - State	Senator Brandon Creighton	Texas State Senate	
Elected Official - State	Senator Charles Schwertner	Texas State Senate	
Elected Official - State	Senator John Whitmire	Texas State Senate	
Elected Official - State	Senator Lois Kolkhorst	Texas State Senate	
Elected Official - State	Senator Paul Bettencourt	Texas State Senate	
Elected Official - State	Senator Robert Nichols	Texas State Senate	
Individual Stakeholder	Al LeBlanc	-	
Individual Stakeholder	Al O'Brien	-	
Individual Stakeholder	Alan Foley	-	
Individual Stakeholder	Alan Raymond	-	
Individual Stakeholder	Alejandro Garrido	-	
Individual Stakeholder	Alex Vinot	-	
Individual Stakeholder	Allison LaCour	-	
Individual Stakeholder	Amanda Bass	-	
Individual Stakeholder	Amber Batson	-	
Individual Stakeholder	Amy Ahrens	-	
Individual Stakeholder	Amy Bernnets	-	
Individual Stakeholder	Amy Franks	-	
Individual Stakeholder	Amye Lockett	-	
Individual Stakeholder	Ana Luke	-	
Individual Stakeholder	Andrew Bush	-	
Individual Stakeholder	Andrew Fogarty	-	
Individual Stakeholder	Andrew Schmitt	-	
Individual Stakeholder	Angela B. Wemyss	-	
Individual Stakeholder	Angela McDaniel	-	
Individual Stakeholder	Angela Swanagon	-	
Individual Stakeholder	Angelique Ward	-	
Individual Stakeholder	Ann C. Dorsey	-	
Individual Stakeholder	Ann Scholz-Crane	-	
Individual Stakeholder	Anna Burns	-	
Individual Stakeholder	Anne Viault	-	
Individual Stakeholder	Annie Brown-Lamott	-	
Individual Stakeholder	Anthony Benvegnn	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Anthony Smith	-	
Individual Stakeholder	Arch D. Granda	-	
Individual Stakeholder	Arthur Voltmann	-	
Individual Stakeholder	Asdrubal Gutierrez	-	
Individual Stakeholder	Ashley Cox	-	
Individual Stakeholder	Austin Bird	-	
Individual Stakeholder	B. Michael Ward	-	
Individual Stakeholder	B. Ray	-	
Individual Stakeholder	Barbara Hilburn	-	
Individual Stakeholder	Barbara Hosein	-	
Individual Stakeholder	Barbara Noonan	-	
Individual Stakeholder	Barbara Tomaja	-	
Individual Stakeholder	Bart & Andrea	-	
Individual Stakeholder	Becky & Steve Swerdloff	-	
Individual Stakeholder	Becky Little	-	
Individual Stakeholder	Becky Offenbacher	-	
Individual Stakeholder	Bernard Ryan	-	
Individual Stakeholder	Bernice Satterwhite	-	
Individual Stakeholder	Bert F. Neece	-	
Individual Stakeholder	Beth Ditrich	-	
Individual Stakeholder	Beth Folks	-	
Individual Stakeholder	Beverly A. Sadler	-	
Individual Stakeholder	Bill & Shelly	-	
Individual Stakeholder	Bill Beard	-	
Individual Stakeholder	Bill Payne	-	
Individual Stakeholder	Bill Power	-	
Individual Stakeholder	Bill Vaughn	-	
Individual Stakeholder	Billie S. Eyster	-	
Individual Stakeholder	Blaise Millican	-	
Individual Stakeholder	Bob Rehak	-	
Individual Stakeholder	Bobbie Barksdale	-	
Individual Stakeholder	Bobby Garcia	-	
Individual Stakeholder	Bonnie Kluborg	-	
Individual Stakeholder	Bonnie R. Kim	-	
Individual Stakeholder	Bonny Montanari	-	
Individual Stakeholder	Brandi Muse	-	
Individual Stakeholder	Brenda Bass		
Individual Stakeholder	Brenda Simmons	-	
Individual Stakeholder	Brenden Royh	-	
Individual Stakeholder	Brent Birchler	-	
Individual Stakeholder	Brian Grimm	-	
Individual Stakeholder	Brian Johnson	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Brian Pendleton	-	
Individual Stakeholder	Brian Peters	-	
Individual Stakeholder	Bridgette Murray	-	
Individual Stakeholder	Britney Rodriquez	-	
Individual Stakeholder	Bruce D. Wise	-	
Individual Stakeholder	Bruce Ward	-	
Individual Stakeholder	Bryan Smith	-	
Individual Stakeholder	Bubba Hackett	-	
Individual Stakeholder	Buddy Wall	-	
Individual Stakeholder	Butch Standerfer	-	
Individual Stakeholder	C. Berry Maddon	-	
Individual Stakeholder	Caleb Vario	-	
Individual Stakeholder	Candace DeMarque	-	
Individual Stakeholder	Caren Thomas	-	
Individual Stakeholder	Carl E Letscher	-	
Individual Stakeholder	Carl Woodward	-	
Individual Stakeholder	Carla Hopkins	-	
Individual Stakeholder	Carla Ransier	-	
Individual Stakeholder	Carol Bodin	-	
Individual Stakeholder	Carol Bruse	-	
Individual Stakeholder	Carol Hunt	-	
Individual Stakeholder	Carol Reilly	-	
Individual Stakeholder	Carol Simonton	-	
Individual Stakeholder	Carol Toop McCollough	-	
Individual Stakeholder	Carole Brady	-	
Individual Stakeholder	Caroline Covell	-	
Individual Stakeholder	Carolyn Austin	-	
Individual Stakeholder	Carolyn Griffin	-	
Individual Stakeholder	Carolyn Harty	-	
Individual Stakeholder	Carolyn Monroe	-	
Individual Stakeholder	Carroll Allison	-	
Individual Stakeholder	Casey Knox	-	
Individual Stakeholder	Catherine Lang	-	
Individual Stakeholder	Cecily M. Ryan	-	
Individual Stakeholder	Chanaka Wijayasinha	-	
Individual Stakeholder	Charlene Wynn	-	
Individual Stakeholder	Charles Bronner	-	
Individual Stakeholder	Charles Campbell	-	
Individual Stakeholder	Charlie Fahrmeier	-	
Individual Stakeholder	Charolotte Riggs	-	
Individual Stakeholder	Cheryl Austin	-	
Individual Stakeholder	Cheryl Kridler	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Chris Johnsen	-	
Individual Stakeholder	Christine Lee	-	
Individual Stakeholder	Christine Pink	-	
Individual Stakeholder	Christine Rickert	-	
Individual Stakeholder	Christine Rigamonti	-	
Individual Stakeholder	Christy Duncan	-	
Individual Stakeholder	Chuck Skillman	-	
Individual Stakeholder	Cindy Horswell	-	
Individual Stakeholder	Cindy Rivers	-	
Individual Stakeholder	Clark McCollough	-	
Individual Stakeholder	Claudette Clark	-	
Individual Stakeholder	Claudette Jasper	-	
Individual Stakeholder	Clay Crawford	-	
Individual Stakeholder	Clint Bennett	-	
Individual Stakeholder	clint vetor	-	
Individual Stakeholder	Colleen Ulrich	-	
Individual Stakeholder	Connie Chandler	-	
Individual Stakeholder	Constance Thompson	-	
Individual Stakeholder	corey kilgore	-	
Individual Stakeholder	Corina Flores	-	
Individual Stakeholder	Corinn Price	-	
Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	-	
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Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	-	
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Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	-	
Individual Stakeholder	Current Resident	_	
Individual Stakeholder	Curtis Wilke	-	
Individual Stakeholder	Cynthia Landstad	-	
Individual Stakeholder	Cynthia Tipton	_	
Individual Stakeholder	D. Yup Kim	-	
Individual Stakeholder	Damita Cirillo	-	
Individual Stakeholder	Dan & Marlene	-	
Individual Stakeholder	Dan Monks	-	
Individual Stakeholder	Daniel McGinnis	-	
Individual Stakeholder	Daniel Mills	-	
Individual Stakeholder	Danny Sullivan	-	
Individual Stakeholder	Darlene Elston	-	
Individual Stakeholder	Darlene Holak	-	
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Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Darryal Chandler	-	
Individual Stakeholder	Dave Baldwin	-	
Individual Stakeholder	Dave Kinison	-	
Individual Stakeholder	David Burnett	-	
Individual Stakeholder	David Farrell	-	
Individual Stakeholder	David Feille	-	
Individual Stakeholder	David Hirsschey	-	
Individual Stakeholder	David Kirby	-	
Individual Stakeholder	David Kluborg	-	
Individual Stakeholder	David Labbe	-	
Individual Stakeholder	David McCurdy	-	
Individual Stakeholder	David Meeh	-	
Individual Stakeholder	David Robichaux	-	
Individual Stakeholder	David Samuel Deutsch	-	
Individual Stakeholder	David Seitzinger	-	
Individual Stakeholder	Davud Feukke	-	
Individual Stakeholder	Dawnett Lanson	-	
Individual Stakeholder	Deanie Allen	-	
Individual Stakeholder	Deb Tisch	-	
Individual Stakeholder	Deborah Browning	-	
Individual Stakeholder	Deborah R. Miller	-	
Individual Stakeholder	Deborah Tollefson	-	
Individual Stakeholder	Deborah Vandenhoff	-	
Individual Stakeholder	Dedy Slack	-	
Individual Stakeholder	Dee Fields	-	
Individual Stakeholder	Dee M. Price	-	
Individual Stakeholder	Dee Price	-	
Individual Stakeholder	Dena Moon	-	
Individual Stakeholder	Denise Wright	-	
Individual Stakeholder	Denise Zimmerman-Garcia	_	
Individual Stakeholder	Dennis Albrecht	-	
Individual Stakeholder	Diana Campisi	_	
Individual Stakeholder	Diana Heffner	_	
Individual Stakeholder	Diana Quiroz	-	
Individual Stakeholder	Dianna Hadley	-	
Individual Stakeholder	Dianne Lansden	-	
Individual Stakeholder	Dickey Laney	-	
Individual Stakeholder	Dolores Fernandez	-	
Individual Stakeholder	Dolores Selby	-	
Individual Stakeholder	Don Garrett	-	
Individual Stakeholder	Don Hickey	-	
Individual Stakeholder	Don M. Thompson	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Donald Cochran	-	
Individual Stakeholder	Donnie Simmons	-	
Individual Stakeholder	Doreen Brubaker	-	
Individual Stakeholder	Doris Schleigh	-	
Individual Stakeholder	Doug Handley	-	
Individual Stakeholder	Doug Reed	-	
Individual Stakeholder	Douglas Sturgis	-	
Individual Stakeholder	Dr. Shelley Sekula-Gibbs	-	
Individual Stakeholder	Dustin Tabbert	-	
Individual Stakeholder	Dvane Johnston	-	
Individual Stakeholder	Dwayne Duke	-	
Individual Stakeholder	Earl Hale	-	
Individual Stakeholder	Ed Dormer	-	
Individual Stakeholder	ED LaCour	-	
Individual Stakeholder	Ed&Sara Sara	-	
Individual Stakeholder	Eddie Belle Waldman	-	
Individual Stakeholder	Edward and Sara Nowak	-	
Individual Stakeholder	Edward Houska	-	
Individual Stakeholder	Edward Stowe	-	
Individual Stakeholder	Edward Tarver	-	
Individual Stakeholder	Edward&Jane Jane	-	
Individual Stakeholder	Eileen Booher	-	
Individual Stakeholder	Eileen Hatrel	-	
Individual Stakeholder	Elaine Gruffis	-	
Individual Stakeholder	Elias Abraham	-	
Individual Stakeholder	Elinor&Stephen Stephen	-	
Individual Stakeholder	Elizabeth Cannon	-	
Individual Stakeholder	Elizabeth Cooley	-	
Individual Stakeholder	Elizabeth Lindbery	-	
Individual Stakeholder	Ellen Johnson	-	
Individual Stakeholder	Ellen Liliedahl	-	
Individual Stakeholder	Elvia Rodriguez	-	
Individual Stakeholder	Eric & Lisa	-	
Individual Stakeholder	Eric Miller	-	
Individual Stakeholder	Eric Self	-	
Individual Stakeholder	Eric Tabanou	-	
Individual Stakeholder	Erica Johnston	-	
Individual Stakeholder	Erick Johnson	-	
Individual Stakeholder	Erik Woods	-	
Individual Stakeholder	Erin Mclea	-	
Individual Stakeholder	evelyn harding	-	
Individual Stakeholder	Fagin Stuart	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Fernado Fernandez	-	
Individual Stakeholder	Fran Barrack	-	
Individual Stakeholder	Frank Damratoski	-	
Individual Stakeholder	Frank Girocamu	-	
Individual Stakeholder	Frank Madden	-	
Individual Stakeholder	Fred & Margaret Bulloughs	-	
Individual Stakeholder	Fred Kreis	-	
Individual Stakeholder	Fred Mc Carty	-	
Individual Stakeholder	Gail Clayden	-	
Individual Stakeholder	Gail Espy	-	
Individual Stakeholder	Gary A. Feuerbacher	-	
Individual Stakeholder	Gary George	-	
Individual Stakeholder	Gary Kilgore	-	
Individual Stakeholder	Gary Wells	-	
Individual Stakeholder	Gayle E. Stimson	-	
Individual Stakeholder	Gene Zanchelli	-	
Individual Stakeholder	George & Joan Sherman	-	
Individual Stakeholder	George Maier	-	
Individual Stakeholder	George Peckham	-	
Individual Stakeholder	George Rittenhouse	-	
Individual Stakeholder	Geralyn Sullivan	-	
Individual Stakeholder	Gerold Maney	-	
Individual Stakeholder	Gerri Berens	-	
Individual Stakeholder	Glenda Rice	-	
Individual Stakeholder	Glenna Sloan	-	
Individual Stakeholder	Gloria Carruth	-	
Individual Stakeholder	Gloria Miller	-	
Individual Stakeholder	Gloria Whitney	-	
Individual Stakeholder	Greg Folks	-	
Individual Stakeholder	Gregory Sevcik	-	
Individual Stakeholder	Guy Sconzo	-	
Individual Stakeholder	Halene Crossman	-	
Individual Stakeholder	Harald Pauli	-	
Individual Stakeholder	Hilary Toma	-	
Individual Stakeholder	Holly Raymond	-	
Individual Stakeholder	Hope DuBois	-	
Individual Stakeholder	Hope Rivera	-	
Individual Stakeholder	Howard & Rita Daniels	-	
Individual Stakeholder	Ikue Serrano	-	
Individual Stakeholder	Iris Kelley	-	
Individual Stakeholder	Isabel May	-	
Individual Stakeholder	israel Hernandez	-	
L			



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	J. Scott Moore	-	
Individual Stakeholder	J.P. Arnold	-	
Individual Stakeholder	Jace Pitre	-	
Individual Stakeholder	jack and paula gron	-	
Individual Stakeholder	Jack Swank	-	
Individual Stakeholder	Jackie Mooring	-	
Individual Stakeholder	Jacqueline Chandler	-	
Individual Stakeholder	Jake Slagle	-	
Individual Stakeholder	James & Martha	-	
Individual Stakeholder	James Allison	-	
Individual Stakeholder	James Blunt	-	
Individual Stakeholder	James Bramblett	-	
Individual Stakeholder	James Demasi	-	
Individual Stakeholder	James Durnin	-	
Individual Stakeholder	James Jasper	-	
Individual Stakeholder	James L. Hicks	-	
Individual Stakeholder	James Lewis	-	
Individual Stakeholder	James Mueller	-	
Individual Stakeholder	James N. Morris	-	
Individual Stakeholder	James Rice	-	
Individual Stakeholder	James Scheiner	-	
Individual Stakeholder	James Seamans	-	
Individual Stakeholder	James Smith	-	
Individual Stakeholder	James Spain	-	
Individual Stakeholder	James Steffes	-	
Individual Stakeholder	James Towne	-	
Individual Stakeholder	James Ward III	-	
Individual Stakeholder	Jamis Mohr	-	
Individual Stakeholder	Jan Kinison	-	
Individual Stakeholder	Jan McCabe	-	
Individual Stakeholder	Jan McCleary	-	
Individual Stakeholder	Jane Beauvais	-	
Individual Stakeholder	Jane Erwin	-	
Individual Stakeholder	Jane Skillman	-	
Individual Stakeholder	Jane Wise	-	
Individual Stakeholder	Janet Diaz	-	
Individual Stakeholder	Janet Flewelling	-	
Individual Stakeholder	Janet Shryock	-	
Individual Stakeholder	Janet Wilson	-	
Individual Stakeholder	Janice Durnin	-	
Individual Stakeholder	Janis Adams	-	
Individual Stakeholder	Jannie Bangs	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Jason Nguyen	-	
Individual Stakeholder	Jean Anderson	-	
Individual Stakeholder	Jeanette E. Stevens	-	
Individual Stakeholder	Jeanie Mooring	-	
Individual Stakeholder	Jeff Bayless	-	
Individual Stakeholder	Jeff Hemmer	-	
Individual Stakeholder	Jeff Hiett	-	
Individual Stakeholder	Jeff Miller	-	
Individual Stakeholder	Jeffrey Shinsato	-	
Individual Stakeholder	Jenna Armstrong	-	
Individual Stakeholder	Jennifer Arcovio	-	
Individual Stakeholder	Jennifer Coulter	-	
Individual Stakeholder	Jennifer McCready-Resnick	-	
Individual Stakeholder	Jennifer Timble	-	
Individual Stakeholder	Jeremy Williams	-	
Individual Stakeholder	Jerry W. Jones	-	
Individual Stakeholder	Jim & Linda	-	
Individual Stakeholder	Jim Harty	-	
Individual Stakeholder	Jim P Wise	-	
Individual Stakeholder	Jim Robertson	-	
Individual Stakeholder	JJ Penn	-	
Individual Stakeholder	Joan Imperato	-	
Individual Stakeholder	JoAnna G. Loup	-	
Individual Stakeholder	Joanne Jester	-	
Individual Stakeholder	JoAnne Taylor	-	
Individual Stakeholder	Jody Ellis	-	
Individual Stakeholder	Joe Greeson	-	
Individual Stakeholder	Joe Price	-	
Individual Stakeholder	Joe Rodriguez	-	
Individual Stakeholder	Joel Johnston	-	
Individual Stakeholder	Joel Synanl	-	
Individual Stakeholder	Joey & Alan	-	
Individual Stakeholder	John & Betty	-	
Individual Stakeholder	John & Rebecca	-	
Individual Stakeholder	John & Rhonda	-	
Individual Stakeholder	John Alfano	-	
Individual Stakeholder	John Allen	-	
Individual Stakeholder	John Arcovio	-	
Individual Stakeholder	John Biavaschi	-	
Individual Stakeholder	John Browning	-	
Individual Stakeholder	John Ehrman	-	
Individual Stakeholder	John Elisor	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	John Klug	-	
Individual Stakeholder	John Knoerzer	-	
Individual Stakeholder	John Kristoff	-	
Individual Stakeholder	John Litwinowicz	-	
Individual Stakeholder	John Milroy	-	
Individual Stakeholder	John Moore	-	
Individual Stakeholder	John R. Smith	-	
Individual Stakeholder	John S. Bush	-	
Individual Stakeholder	John Shullaw	-	
Individual Stakeholder	John Wemyss	-	
Individual Stakeholder	Jorden Lord	-	
Individual Stakeholder	Joseph A. Sanches	-	
Individual Stakeholder	Joseph Baehl	-	
Individual Stakeholder	JOSEPH MCADAMS	-	
Individual Stakeholder	Judith Wagner-Fuller	-	
Individual Stakeholder	Judy Bigon	-	
Individual Stakeholder	Judy Bowen	-	
Individual Stakeholder	Judy Rittenhouse	-	
Individual Stakeholder	Judy Thigpen	-	
Individual Stakeholder	Judy&Fred Fred	-	
Individual Stakeholder	Julayre Sallay	-	
Individual Stakeholder	Julia Blackman	-	
Individual Stakeholder	Julio Najara	-	
Individual Stakeholder	Kaaren Cambio	-	
Individual Stakeholder	Karen Chapman	-	
Individual Stakeholder	Karen Eitel	-	
Individual Stakeholder	Karen Fahrmeier	-	
Individual Stakeholder	Karen Fitzsgrald	-	
Individual Stakeholder	Karen Heis	-	
Individual Stakeholder	Karen Rasmussen	-	
Individual Stakeholder	Karen Smith	-	
Individual Stakeholder	Karen Steinbach	-	
Individual Stakeholder	Karen White	-	
Individual Stakeholder	Karen&Brad Brad	-	
Individual Stakeholder	Katherine Kerber	-	
Individual Stakeholder	Katherine Smith	-	
Individual Stakeholder	Kathleen Davis	-	
Individual Stakeholder	Kathleen Hassel	-	
Individual Stakeholder	Kathleen Wilkinson	-	
Individual Stakeholder	Kathryn Velasco	-	
Individual Stakeholder	Kathy Danz	-	
Individual Stakeholder	Kathy Hasten	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Kathyeen Eitel	-	
Individual Stakeholder	Keith Pinsan	-	
Individual Stakeholder	Keith Pinson	-	
Individual Stakeholder	Kelli Schrang	-	
Individual Stakeholder	Kelly Paull	-	
Individual Stakeholder	Ken & Lindy	-	
Individual Stakeholder	Ken Austin	-	
Individual Stakeholder	Ken Olive	-	
Individual Stakeholder	Kenneth Ulrich, Jr.	-	
Individual Stakeholder	Kevin Camarata	-	
Individual Stakeholder	Kevin Cooper	-	
Individual Stakeholder	Kilee Northrup	-	
Individual Stakeholder	Kim Fazzino	-	
Individual Stakeholder	Kip Janes	-	
Individual Stakeholder	Kitty Rice	-	
Individual Stakeholder	Kristen Alsbrooks	-	
Individual Stakeholder	Kristi Stasny	-	
Individual Stakeholder	Kurt Van Tassel	-	
Individual Stakeholder	Kylan Tanner	-	
Individual Stakeholder	Landon Mahanay	-	
Individual Stakeholder	Lani Weirnick	-	
Individual Stakeholder	Larry Cannon	-	
Individual Stakeholder	Larry Krejci	-	
Individual Stakeholder	Larry Mohr	-	
Individual Stakeholder	Larry Offenbacher	-	
Individual Stakeholder	Larry Shryock	-	
Individual Stakeholder	Lauren Blackburn	-	
Individual Stakeholder	Lauren Price	-	
Individual Stakeholder	Lauren Seamans	-	
Individual Stakeholder	Lawrence Vondrak	-	
Individual Stakeholder	Lee Ann Huffman	-	
Individual Stakeholder	lee manning	-	
Individual Stakeholder	Lesley Mills	-	
Individual Stakeholder	Leslie Nicholls	-	
Individual Stakeholder	Linda Janelle Nicholson	-	
Individual Stakeholder	Lindsey Smithson	-	
Individual Stakeholder	Lindw&Bary Bary	-	
Individual Stakeholder	Lisa Albrecht	-	
Individual Stakeholder	Lisa Kijewski	-	
Individual Stakeholder	Lisa Lawrence	-	
Individual Stakeholder	Lisa McSwain	-	
Individual Stakeholder	Lisa Perez	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Lisa Slage	-	
Individual Stakeholder	Lisa Stout	-	
Individual Stakeholder	Lori Robertson	-	
Individual Stakeholder	Lou Georgiades	-	
Individual Stakeholder	LuAnn Schmiat	-	
Individual Stakeholder	Luis Duque, Jr.	-	
Individual Stakeholder	Lynda Sheffield	-	
Individual Stakeholder	Mabryn Fleener	-	
Individual Stakeholder	Mansoor Ahlmonlaie	-	
Individual Stakeholder	Margaret (Peggy) Rittenhouse	-	
Individual Stakeholder	Margaret Steup	-	
Individual Stakeholder	Margaret Storemski	-	
Individual Stakeholder	Margie Standerfer	-	
Individual Stakeholder	Marianna Steffes	-	
Individual Stakeholder	Marie-Hecene Turkopp	-	
Individual Stakeholder	Marie-Helene Turkopp	-	
Individual Stakeholder	Marilyn Braud	-	
Individual Stakeholder	Marilyn Northcutt	-	
Individual Stakeholder	Mark Bruse	-	
Individual Stakeholder	Mark Hormann	-	
Individual Stakeholder	Mark Linabury	-	
Individual Stakeholder	Mark Long	-	
Individual Stakeholder	Mark McGinn	-	
Individual Stakeholder	Mark Schaaf	-	
Individual Stakeholder	Marshall Schaffer	-	
Individual Stakeholder	Martha M. Morris	-	
Individual Stakeholder	Martin Vandenbrook	-	
Individual Stakeholder	Martin Zinsitz	-	
Individual Stakeholder	Mary Fontenot	-	
Individual Stakeholder	Mary K. Chovan	-	
Individual Stakeholder	Mary Malick	_	
Individual Stakeholder	Mary Vandenbrook	-	
Individual Stakeholder	Maryanne Fortson	-	
Individual Stakeholder	Masie M. Wood	_	
Individual Stakeholder	Mathew O. Lawrence	_	
Individual Stakeholder	Matt & Debra	_	
Individual Stakeholder	Matt Charles		
Individual Stakeholder	Matthew Berg	-	
Individual Stakeholder	Matthew Reyes	_	
Individual Stakeholder	Maureen & John	_	
Individual Stakeholder	Megan Cambio	_	
Individual Stakeholder	Meghan Nimmo	-	



Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Meghann Hawes	-	
Individual Stakeholder	Melanie Fenk	-	
Individual Stakeholder	Melissa Gonzalez	-	
Individual Stakeholder	Melissa Miller	-	
Individual Stakeholder	Melissa Sturgis	-	
Individual Stakeholder	Melvin Puckett	-	
Individual Stakeholder	Michael Bangs	-	
Individual Stakeholder	Michael Kevlin	-	
Individual Stakeholder	Michael Magee	-	
Individual Stakeholder	Michael Poff	-	
Individual Stakeholder	Michael Stark	-	
Individual Stakeholder	Michele Hemmer	-	
Individual Stakeholder	Mike Cahn	-	
Individual Stakeholder	Mike Hardage	-	
Individual Stakeholder	Mike Hvizdos	-	
Individual Stakeholder	Mike Marshall	-	
Individual Stakeholder	Mike Waldman	-	
Individual Stakeholder	Mike&Carol Carol	-	
Individual Stakeholder	Mike&Ida Ida	-	
Individual Stakeholder	Milan Saunders	-	
Individual Stakeholder	Mindy McQueen	-	
Individual Stakeholder	Mitch Karp	-	
Individual Stakeholder	Mitzi Vaughn	-	
Individual Stakeholder	Monica Cruz	-	
Individual Stakeholder	Monte Storrs	-	
Individual Stakeholder	Murray Smith	-	
Individual Stakeholder	N & M	-	
Individual Stakeholder	Naeem Raja	-	
Individual Stakeholder	Nancy & Paul	-	
Individual Stakeholder	Nancy Shortsleeve	-	
Individual Stakeholder	Nate Patrick	-	
Individual Stakeholder	Nathalie Cras	-	
Individual Stakeholder	Neal Haskngs	-	
Individual Stakeholder	Neil Gaynor	-	
Individual Stakeholder	Neil Gidley	-	
Individual Stakeholder	Ngiabi Gicuhi	-	
Individual Stakeholder	Nick Valenti	-	
Individual Stakeholder	Nicole Hudspeth		
Individual Stakeholder	Noleah Cole	-	
Individual Stakeholder	Nora Greenwold	-	
Individual Stakeholder	not ledgible		
Individual Stakeholder	Oscar Velasco	-	

Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	P.H. Oppermann	-	
Individual Stakeholder	Paige May	-	
Individual Stakeholder	Pam Frontino	-	
Individual Stakeholder	Pam Marchesani	-	
Individual Stakeholder	Pat Cinco	-	
Individual Stakeholder	Pat Klemz	-	
Individual Stakeholder	Pat Maier	-	
Individual Stakeholder	Pat Stine	-	
Individual Stakeholder	Patricia Azzollini	-	
Individual Stakeholder	patricia burnham	-	
Individual Stakeholder	Patricia C. Bush	-	
Individual Stakeholder	Patricia Cuggini	-	
Individual Stakeholder	Patricia Harris	-	
Individual Stakeholder	Patricia Morlen	-	
Individual Stakeholder	Patricia Perkins	-	
Individual Stakeholder	Patricia Rohrer	-	
Individual Stakeholder	Patricia Romero	-	
Individual Stakeholder	Patricia Simpson	-	
Individual Stakeholder	Patricia Taul	-	
Individual Stakeholder	Patrick Hubbard	-	
Individual Stakeholder	Patrick Mullin	-	
Individual Stakeholder	Paul Aegerter	-	
Individual Stakeholder	Paul Chavez	-	
Individual Stakeholder	Paul Eschenfelder	-	
Individual Stakeholder	Paul J Margaritis	-	
Individual Stakeholder	Paul Morgan	-	
Individual Stakeholder	Paul Schikal	-	
Individual Stakeholder	Paul Yale	-	
Individual Stakeholder	Paula Peters	-	
Individual Stakeholder	Pauline Worth	-	
Individual Stakeholder	Pete Garcia	-	
Individual Stakeholder	Peter Braccio	-	
Individual Stakeholder	Peter C. Rosser	-	
Individual Stakeholder	Peter Faust	-	
Individual Stakeholder	Peyton Lowrey	-	
Individual Stakeholder	Philip&Stephanie Stephanie	-	
Individual Stakeholder	Phyllis Louderback	-	
Individual Stakeholder	Phyllis Smith	-	
Individual Stakeholder	R. Dale Barrack		
Individual Stakeholder	Raelene Chastain	-	
Individual Stakeholder	Rain Ermis	_	
Individual Stakeholder	Raj Mankad	-	

Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Ramiro Garcia	-	
Individual Stakeholder	Randolph Goss	-	
Individual Stakeholder	Randy Braud	-	
Individual Stakeholder	Randy Robertson	-	
Individual Stakeholder	Randy Ziebarth	-	
Individual Stakeholder	Raymond Koza	-	
Individual Stakeholder	Raymond Lohman	-	
Individual Stakeholder	Rd Kissling	-	
Individual Stakeholder	Rebecca Dietrich	-	
Individual Stakeholder	Rebecca Johansen	-	
Individual Stakeholder	Renee Copeland	-	
Individual Stakeholder	Resident Resident	-	
Individual Stakeholder	Rev. Kelli Eldridge	-	
Individual Stakeholder	Rex Roeges	-	
Individual Stakeholder	richa rd Tannehill	-	
Individual Stakeholder	Richard Clayden	-	
Individual Stakeholder	Richard Cordill	-	
Individual Stakeholder	Richard D. Summers	-	
Individual Stakeholder	Richard Kent	-	
Individual Stakeholder	Richard Lechmberg	-	
Individual Stakeholder	Richard Payne	-	
Individual Stakeholder	Richard Roach	-	
Individual Stakeholder	Richord Briggs	-	
Individual Stakeholder	Rick Pattison	-	
Individual Stakeholder	Rick Turkopp	-	
Individual Stakeholder	Robert & Debra Dixon	-	
Individual Stakeholder	Robert & Karen Cassidy	-	
Individual Stakeholder	Robert Lewis Jr.	-	
Individual Stakeholder	Robert Lira	-	
Individual Stakeholder	Robert Schorr	-	
Individual Stakeholder	Robert Schwartz	-	
Individual Stakeholder	Robert Schwarz	-	
Individual Stakeholder	Robert Spinetti	-	
Individual Stakeholder	Robert Tully	-	
Individual Stakeholder	Robert Weirnick	-	
Individual Stakeholder	Robert&Alison Harrell	-	
Individual Stakeholder	Robin Culet	-	
Individual Stakeholder	Robyn Laumbach	-	
Individual Stakeholder	Roddy McAlpine	-	
Individual Stakeholder	Roderic V. Noonan	-	
Individual Stakeholder	Roger & Susan	-	
Individual Stakeholder	Roger Daily	-	

Individual Stakeholder Ron Crossman	Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder Ronald Doyal	Individual Stakeholder	Ron Crossman	-	
Individual Stakeholder Rose Marie Burnett	Individual Stakeholder	Ron White	-	
Individual Stakeholder Rose Marie Burnett - Individual Stakeholder Row Copeland - Individual Stakeholder Row Copeland - Individual Stakeholder Roy Anderson - Individual Stakeholder Roy Gamiz - Individual Stakeholder Ruby G. Jones - Individual Stakeholder Ruby G. Jones - Individual Stakeholder Ruby G. Jones - Individual Stakeholder Ruby B. Debbie - Individual Stakeholder Ruby G. Jones - Individual Stakeholder Ruby G. Jones - Individual Stakeholder Ruby B. Debbie - Individual Stakeholder Ruby B. Debbie - Individual Stakeholder Salle Kay Janes - Individual Stakeholder Salle Kay Janes - Individual Stakeholder Sang K. Deckett - Individual Stakeholder Shari M. Hellis - Individual Stakeholder Shari M. Hellis - Individual Stakeholder S	Individual Stakeholder	Ronald Doyal	-	
Individual StakeholderRow CopelandIndividual StakeholderRoy AndersonIndividual StakeholderRoy AndersonIndividual StakeholderRoy AndersonIndividual StakeholderRoy GamizIndividual StakeholderRuby G. JonesIndividual StakeholderRuby G. JonesIndividual StakeholderRuby G. JonesIndividual StakeholderRuby G. JonesIndividual StakeholderRush McozaIndividual StakeholderRush McozaIndividual StakeholderSallik KazaIndividual StakeholderSallik KazaIndividual StakeholderSallik KazaIndividual StakeholderSallik KazaIndividual StakeholderSallik KazaIndividual StakeholderSallik KazaIndividual StakeholderSandra K. LockettIndividual StakeholderSandra WheelerIndividual StakeholderSara CrawfordIndividual StakeholderSara CrawfordIndiv	Individual Stakeholder	Rose Marie Burnett	-	
Individual Stakeholder Rowanne & Frank	Individual Stakeholder	Rosemary Roach	-	
Individual StakeholderRoy Anderson-Individual StakeholderRoy Gamiz-Individual StakeholderRuby G. Jones-Individual StakeholderRuby G. Jones-Individual StakeholderRuby G. Jones-Individual StakeholderRuby G. Jones-Individual StakeholderRussell Clinton-Individual StakeholderRussell Clinton-Individual StakeholderRyan Bohlke-Individual StakeholderSallic Kay Janes-Individual StakeholderSallic Kay Janes-Individual StakeholderSally Knezeak-Individual StakeholderSan Juana Flores-Individual StakeholderSandra M. Butaud-Individual StakeholderSandra M. Butaud-Individual StakeholderSardra Wheeler-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSarah Carswell-Individual StakeholderSarah Carswell-Individual StakeholderSarah Walker-Individual StakeholderSarah Nuger-Individual StakeholderSarah Nuger-Individual StakeholderSarah Carswell-Individual StakeholderSarah Carswell-Individual StakeholderSarah Carswell-Individual StakeholderShari Depart-In	Individual Stakeholder	Row Copeland	-	
Individual StakeholderRoy Anderson-Individual StakeholderRuby G. Jones-Individual StakeholderRuby G. Jones-Individual StakeholderRuby G. Jones-Individual StakeholderRussell Clinton-Individual StakeholderRussell Clinton-Individual StakeholderRussell Clinton-Individual StakeholderRyan Bohlke-Individual StakeholderSally Knezeak-Individual StakeholderSally Knezeak-Individual StakeholderSan Juana Flores-Individual StakeholderSandra K. Lockett-Individual StakeholderSandra M. Butaud-Individual StakeholderSandra M. Butaud-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Kent-Individual StakeholderSarah Valker-Individual StakeholderSarah Walker-Individual StakeholderScott Dubois-Individual StakeholderScott Dubois-Individual StakeholderSharon Haynie-Individual StakeholderSharon Rown-Individual StakeholderSharon Haynie-Individual StakeholderSharon Haynie-Individual StakeholderSharon Haynie-Individual StakeholderSharon Haynie-Individual StakeholderSharon Haynie-Individu	Individual Stakeholder	Roxanne & Frank	-	
Individual StakeholderRoy GamizIndividual StakeholderRuby G. JonesIndividual StakeholderRuby & DebbieIndividual StakeholderRuby & DebbieIndividual StakeholderRussell ClintonIndividual StakeholderRussell ClintonIndividual StakeholderRyan BohlkeIndividual StakeholderSallie Kay JanesIndividual StakeholderSallie Kay JanesIndividual StakeholderSallie Kay JanesIndividual StakeholderSallie Kay JanesIndividual StakeholderSan & CherylIndividual StakeholderSandra K. LockettIndividual StakeholderSandra K. LockettIndividual StakeholderSara KartIndividual StakeholderSara CrawfordIndividual StakeholderSara KentIndividual StakeholderSarat namirezIndividual StakeholderSarat namirezIndividual StakeholderScott NugentIndividual StakeholderScott NugentIndividual StakeholderSharnon BrownIndividual StakeholderSharnon HaynieIndividual StakeholderSharnon HaynieIndividual StakeholderSharnon HaynieIndividual StakeholderSharnon HaynieIndividual StakeholderSharon Hollis<	Individual Stakeholder	Roy Anderson	-	
Individual StakeholderRuby G. Jones-Individual StakeholderRuby & Debbie-Individual StakeholderRussell Clinton-Individual StakeholderRyssell Clinton-Individual StakeholderRy Bohlke-Individual StakeholderSallie Kay Janes-Individual StakeholderSallie Kay Janes-Individual StakeholderSally Knezeak-Individual StakeholderSan & Cheryl-Individual StakeholderSan Juana Flores-Individual StakeholderSandra K. Lockett-Individual StakeholderSandra M. Butaud-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Armirez-Individual StakeholderSarah ramirez-Individual StakeholderSarah ramirez-Individual StakeholderSorath Walker-Individual StakeholderSorath Tubois-Individual StakeholderSean Stout-Individual StakeholderSean Stout-Individual StakeholderSharnon Brown-Individual StakeholderSharion Haynie-Individual StakeholderSharion Haynie-Individual StakeholderSharion Haynie-Individual StakeholderSharion Haynie-In	Individual Stakeholder	Roy Gamiz	-	
Individual StakeholderRudy & DebbieIndividual StakeholderRussell ClintonIndividual StakeholderRuthann KozaIndividual StakeholderRyan BohlkeIndividual StakeholderSallie Kay JanesIndividual StakeholderSally KnezeakIndividual StakeholderSally KnezeakIndividual StakeholderSan Juana FloresIndividual StakeholderSandra M. ButaudIndividual StakeholderSandra M. ButaudIndividual StakeholderSandra M. ButaudIndividual StakeholderSandra M. ButaudIndividual StakeholderSara CrawfordIndividual StakeholderSara CrawfordIndividual StakeholderSara CrawfordIndividual StakeholderSara CrawfordIndividual StakeholderSarah CarswellIndividual StakeholderSarah CarswellIndividual StakeholderSarah CarswellIndividual StakeholderSorah CarswellIndividual StakeholderSorah CarswellIndividual StakeholderSocott nugentIndividual StakeholderScott SmithIndividual StakeholderSena StoutIndividual StakeholderSharion HaynieIndividual StakeholderSharion C MizeIndividual StakeholderSharion C MizeIndividual StakeholderSharion C MizeIndividual StakeholderSharion HaynieIndividual StakeholderSharion HaynieIndividual StakeholderSherrio MaseyIndividual StakeholderSherrio MaseyIndividual Stakeholder<	Individual Stakeholder	Ruby G. Jones	-	
Individual StakeholderRussell Clinton-Individual StakeholderRupan Bohlke-Individual StakeholderSallie Kay Janes-Individual StakeholderSallie Kay Janes-Individual StakeholderSally Knezeak-Individual StakeholderSan & Cheryl-Individual StakeholderSan Juana Flores-Individual StakeholderSandra M. Butaud-Individual StakeholderSandra M. Butaud-Individual StakeholderSandra M. Butaud-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSara Crawford-Individual StakeholderSarah Carswell-Individual StakeholderSarah Valker-Individual StakeholderScott Dubois-Individual StakeholderScott Dubois-Individual StakeholderScott Smith-Individual StakeholderSharon Brown-Individual StakeholderSharon C Mize-Individual StakeholderSheron Hollis-Individual StakeholderSheron Hollis-I	Individual Stakeholder	Rudy & Debbie	-	
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Individual Stakeholder Soopeen Chin -	Individual Stakeholder	Shirley Novotny	-	
	Individual Stakeholder	Soopeen Chin	-	

Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Spring Delpino	-	
Individual Stakeholder	Stacie Sawrie	-	
Individual Stakeholder	Stan Sarman	-	
Individual Stakeholder	Stefani Kilgore	-	
Individual Stakeholder	Stephanie Logan	-	
Individual Stakeholder	Stephanie Perdue	-	
Individual Stakeholder	Stephany Califa	-	
Individual Stakeholder	Stephen & Polly	-	
Individual Stakeholder	Stephen L. Goodwin	-	
Individual Stakeholder	steve borys	-	
Individual Stakeholder	Steve Horswell	-	
Individual Stakeholder	Steve Selbe	-	
Individual Stakeholder	Steven Chapman	-	
Individual Stakeholder	Steven Freeman	-	
Individual Stakeholder	Steven Malkey	-	
Individual Stakeholder	Steven Resnick	-	
Individual Stakeholder	Steven Roberts	-	
Individual Stakeholder	Sue Schmidt	-	
Individual Stakeholder	Susan & Larry	-	
Individual Stakeholder	Susan Burroughs	-	
Individual Stakeholder	Susan Davy	-	
Individual Stakeholder	Susan Frye	-	
Individual Stakeholder	Susan Sarazen	-	
Individual Stakeholder	Susie Crafton	-	
Individual Stakeholder	T Petersen	-	
Individual Stakeholder	Tammy Dumire	-	
Individual Stakeholder	Tammy Hole Kamp	-	
Individual Stakeholder	Teresa Dormer	-	
Individual Stakeholder	Teresa Noland	-	
Individual Stakeholder	Terestia J. Najara	-	
Individual Stakeholder	Terri Neece	-	
Individual Stakeholder	Terry Townsend	-	
Individual Stakeholder	Terry Vaughn	-	
Individual Stakeholder	Thomas Clark	-	
Individual Stakeholder	Thomas Clemente	-	
Individual Stakeholder	Thomas Keaton Trigg Jr	-	
Individual Stakeholder	Thomas Logan	-	
Individual Stakeholder	Thomas Sharpe	-	
Individual Stakeholder	Tiffany Trulove	-	
Individual Stakeholder	Tim Baker	-	
Individual Stakeholder	tim garfield	-	
Individual Stakeholder	Tim Serrano	-	

Stakeholder Category	Stakeholder Name	Organization	Email
Individual Stakeholder	Tim Stine	-	
Individual Stakeholder	Timothy Rennie	-	
Individual Stakeholder	Tobin Brown	-	
Individual Stakeholder	Todd Litton	-	
Individual Stakeholder	Tom Hall	-	
Individual Stakeholder	Tom Kendi	-	
Individual Stakeholder	Tom Little	-	
Individual Stakeholder	Tom Pasquini	-	
Individual Stakeholder	Tom Scagle	-	
Individual Stakeholder	Tom Schleigh	-	
Individual Stakeholder	Tommy Vu	-	
Individual Stakeholder	Tony Burt	-	
Individual Stakeholder	Tony Lanson	-	
Individual Stakeholder	Tony Sullivan	-	
Individual Stakeholder	Tracy Brown	-	
Individual Stakeholder	Tracy Janik	-	
Individual Stakeholder	Tracy Temple	-	
Individual Stakeholder	Trigg Lupher	-	
Individual Stakeholder	Trina Barker	-	
Individual Stakeholder	Troy Ahrens	-	
Individual Stakeholder	Valerie & Tom	-	
Individual Stakeholder	Valerie Webster	-	
Individual Stakeholder	Vanessa Pitre	-	
Individual Stakeholder	Velma Innes	-	
Individual Stakeholder	Vicki Flake	-	
Individual Stakeholder	Victoria Gobe	-	
Individual Stakeholder	Vincent DeMarque	-	
Individual Stakeholder	Vincent McConnell	-	
Individual Stakeholder	Virginia Pierson-Turner	-	
Individual Stakeholder	Vivian Hall	-	
Individual Stakeholder	W.C. McNutt	-	
Individual Stakeholder	Walter Warfel	-	
Individual Stakeholder	Wanda Hicks	-	
Individual Stakeholder	Wes Stasny	-	
Individual Stakeholder	Willam Burroughs	-	
Individual Stakeholder	Willam Wells	-	
Individual Stakeholder	William Chapman	-	
Individual Stakeholder	William Etie	-	
Individual Stakeholder	William Hilarides	-	
Individual Stakeholder	William Kimbrough	-	
Individual Stakeholder	William Koerner	-	
Individual Stakeholder	William McCabe	-	

Stakeholder Category	Stakeholder Name	Organization	
Individual Stakeholder	William Rose	-	
Individual Stakeholder	William Spijkerman	-	
Individual Stakeholder	William Trulove	-	
Individual Stakeholder	Woody Barksdale	-	
Individual Stakeholder	Zach Emerson	-	
Study Partners	Adam Eaton	City of Houston	
Study Partners	Jing Chen	Harris County Flood Control	
Study Partners	Darren Hess	Montgomery County	
Study Partners	Matt Barrett	San Jacinto River Authority	
		Lake Houston Redevelopment	
TIRZ	Ralph De Leon	Authority (TIRZ 10)	
		Lake Houston Redevelopment	
TIRZ	Stan Sarman	Authority (TIRZ 10)	
Business Association	Marlissa Briggs	North Houston Association	
НОА	Beth Guide	Elm Grove HOA	
Academic	Dr. Katherine Persson	LSC-Kingwood	
ISD	Benny Soileau	Huffman ISD Superintendent	
ISD	Dr. Elizabeth Fagen	Humble ISD Superintendent	
Other	Philippe Cras	Community Response Task Force	
Other	Emil Jacobs	Harris-Montgomery MUD 386	
Other	Jim Stinson	Woodlands Water Agency	
Other	Christopher Boyer	Harris-Montgomery MUD 386	

REGIONAL WATERSHED MASTER DRAINAGE PLAN

San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix D Registration Materials

Location_	
Date	

Elected Official Sign-in Sheet

#	Name	Position	Email
1			
2			
3			
4			
5			
6			
7			
8			
9			

Location_	
Date	

Elected Official Sign-in Sheet

#	Name	Position	Email
10			
11			
12			
13			
14			
15			
16			
17			
18			

Elected Officials

Elected Officials Name	Position

Staff Sign-in Sheet

Signature	Name	Organization	Email

Location	
Date	
SAN JACINTO





Date | Fecha _____

Are you an elected official? | ¿Es usted un funcionario electo? 🗆 NO | No 🗆 YES | Si - Position | Posición: _____

First and Last Name Nombre
Complete Mailing Address Dirección de Correo
Complete Physical Address (if different) Dirección Física
Email Address I. Corroo Electrónico

How did you learn about this Open House? (Select all that apply) | ¿Cómo se enteró de esta casa abierta? (Seleccione todo lo que aplique)

- □ **Website** | Sitio de Web
- Email | Correo electrónico
- Social Media | Redes Sociales
- **Friend or Neighbor** | Amigo o vecino
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the San Jacinto Regional Watershed Master Drainage Plan?

(Select all that apply) | Cómo preferiría recibir información sobre el Plan Maestro de Drenaje Regional de la Cuenca del San Jacinto? (Seleccione todo lo que aplique)

- U Website | Sitio de Web
- 🗆 Email | Correo electrónico
- □ Social Media | Redes Sociales
- Other (Please explain) | Otros (Por favor explique)

SAN	JACINTO
REGION	IAL WATERSHED

MASTER DRAINAGE PLAN



Date | Fecha

Are you an elected official? | ¿Es usted un funcionario electo? 🗆 NO | No 🗆 YES | Si - Position | Posición: _____

First and Last Name | Nombre____

Complete Mailing Address | Dirección de Correo

Complete Physical Address (if different) | Dirección Física

Email Address | Correo Electrónico ____

How did you learn about this Open House?

(Select all that apply) | ¿Cómo se enteró de esta casa abierta? (Seleccione todo lo que aplique)

- □ **Website** | Sitio de Web
- Email | Correo electrónico
- Social Media | Redes Sociales
- □ Friend or Neighbor | Amigo o vecino
- Other (Please explain) | Otros (Por favor explique)

How would you prefer to receive information about the San Jacinto Regional Watershed Master Drainage Plan?

(Select all that apply) | Cómo preferiría recibir información sobre el Plan Maestro de Drenaje Regional de la Cuenca del San Jacinto? (Seleccione todo lo que aplique)

Website | Sitio de Web

- Email | Correo electrónico
- Social Media | Redes Sociales
- Other (Please explain) | Otros (Por favor explique)





San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix E Elected Official Sign-in Sheets Scanned



Location	Tomb	all	
Date	12/16	19	

Elected Official Sign-in Sheet

#	Name	Position	Email
]	EMIL JACOBS	PRIESIPENT MUD 386	Feirkbæoutlook. com
2	Bob Leilich	President Woodlands MUD 1	Bob Leilich catt. net
3	RICHARD STROMATT	WOODLANDS MUD 60	Richard Stromatt
4	CAROL STROMAT	11 11 11 quest	Carol Stromat
5	Harris Co PotA Commissioner Caale	Marie Sivils representing Commissioner Pet 4	Sivils aherd net
6	Martin Comment	- Accivi	
7			
8			
9			



Location KIMWOOd Date 12

Elected Official Sign-in Sheet

#	Name	Position	Email
1	Jessica Beemer	City of Houston Dave Martin's Office	Jessica. beamare Pouston trop
2	Kaaren Cambio	US Representatives Dan Crenshaw's office	kaaren cambio e mail. house opv
3	DANE MARTIN	CONNEIL MEMBER	J
4	·		
5			
6			
7			
8			
9			



Location_	Huffman
Date	12-19-19

Elected Official Sign-in Sheet

#	Name	Position	Email
1	Vanessa Barnes	Harris Cty Petz Relations	Vanessa Barnes epctz, hetr.
2	Clarissa Perez	COH DISTRICT E	clarissa perez@houstontx
3	Dan Huberty	State Rep District 127	
4			
5			
6			
7			
8			
9			





REGIONAL WATERSHED MASTER DRAINAGE PLAN		Sign-in Sheet	Location <u>Huffman</u> Date 12-19-19
Signature	Name	Organization	Email
D. Z.B	Domingo Lopez	Harris County Pet. 2	domingo.loperopet2.hetx.net
24	JUAN Hernonder	Road & Bridge Pet Z	JUAN. Mernikndez @ pct2. hctx. Net

Page $_$ of $_$





San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix F Attendee Cards Scanned





San Jacinto Master Drainage Plan December 2019 Public Meetings

Attendee Cards PLACEHOLDER FOR REDACTED VERSION



REGIONAL WATERSHED MASTER DRAINAGE PLAN

San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix G Attendee Database

First Name	Last Name	Public Meeting Attended?	Elected Official?	Mailing Address	City	State Zip	Email Address	Afiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Vanessa	Barnes	Huffman	Yes					Harris City Pct2 Community Relations		
Clarissa	Perez	Huffman	Yes					COH District E		
Dan	Huberty	Huffamn	Yes					State RepDistrict 127		
Emanuel	Jackson	Huffman	No							
Philip	Prine	Huffman	No						Friend or Neighbor	Email
Jonathan	Martin	Huffman	No						Friend or Neighbor	Email
Maria	Martin	Huffman	No						Website/ Social Media	Email/Social Media
Dr. Mark	Madigan	Huffman	No					281-381-8917	Dan Morgan	
Gary	Caskey	Huffman	No						Friend/Neighbor	Email
Frank	Madden	Huffman	No						Email	Email
Danny	Gerlich	Huffman	No						Email	Email
Debbie	Gerlich	Huffman	No						Email	Email
David	Madden	Huffman	No						Social Media	Email
Jane	Madden	Huffman	No						Social Media	Email
Michael	Carson	Huffman	No						Social Media/ Other(Commons	App)
JoAnne	Taylor	Huffman	No						media/Friend or Neighbor	Email/ Social Media
William	Rose	Huffman	No						Email	Website
Paul	Hamilton	Huffman	No						Website	Email
David	Feille	Huffman	No						Email	Email
Tony	Moulds	Huffman	No						Friend or Neighbor	Email
Fletcher	Gray	Huffman	No						Ť	
Diane	Cooper	Huffman	No						Website	Email/Social Media
Heather	Goodpasture	Huffman	No						Social Media	Email
Delilah	Arolfo	Huffman	No						Email	Email
Barbi	Kutilek	Huffman	No						Website/ Email/ Social Media/ Other (Dave Martin Office)	Website/Email/Social Media
Robert	Jackson	Huffman	No							
Sherry	Hilton	Huffman	No						Friend or Neighbor	Email
Charles	Horsewright	Huffman	No						Website	Email
Tom	Jakubowski	Huffman	No						Website/ Email/Social Media	Email
Glenda	Haynie	Huffman	No						Friend or Neighbor	Email/ Social Media
Herschel D.	Haynie	Huffman	No							
Tamala	Trish	Huffman	Yes						Email	Email
Terry	Munoz	Huffman	No						Website/Email/Social Media	Email
Morlen	Patricia	Huffman	Yes MUD 415						Website/Email	Email
Nevon	White	Huffman	No						Social Media	Website/ Email/Social Media
Alicia	White	Huffman	No							
Bob	Johnson	Huffman	No						Friend or Neighbor	Email (Bob Johnson)
Michael	Clayton	Huffman	No						Friend or Neighbor	Social Media
Tom	Kelchner	Huffman	No						Social Media	Email
Laura	Kelchner	Huffman	No						Social Media	Email

First Name	Last Name	Public Meeting Attended?	Elected Official?	Mailing Address	City	State	Zip	Email Address	Afiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Scott C.	Robertson	Huffman	Yes- POA VP							Social Media/ Friend or Neighb	Website/Email
Kendra	Cox	Huffman	No								
Ann	Meyer	Huffman	No							Friend or Neighbor	Email
Bruce	Meyer	Huffman	No							Friend or Neighbor	Email
Daryc	Palmer	Huffman									
Rebecca	Swenson	Huffman	No							Social Media	Email
Patrick	Landels	Huffman								Social Media	Social Media
Virginia	Robertson	Huffman	No							Social Media	Email
David	Robertson	Huffman	No							Social Media	Email/ Social Media
James	Bollig	Huffman	No							Social Media/ Friend or Neighb	Website/ Email/Social Media
Joe	Paneitz	Huffman	No							Friend or Neighbor	Email
James	Blankenship	Huffman	Yes - Board (MUD)							Website/Email/Social Media	
Rolf	Nelson	Huffman	No							Email	Email
Vicki	Seidl	Huffman	No								
			Yes - MUD #45 Board							,	
Fred	Seidl	Huffman	Member							Email	Email
Darin	Cunningham	Huffman	No							Email	Website/Email
Ronda	Plunkett	Huffman	No							Friend or Neighbor	Other (Mail)
Jessica	Beemer	Kingwood	Yes						City of Houston Dave Martin's Office		
Kaaren	Cambio	Kingwood	Yes						US Representatives Dan Crenshaw's Offic	,e	
Dave	Martin	Kingwood	Yes						City of Houston Council Member	′	
Susanne Mitchell	Allen	Kingwood	No							Website (SRRA)	
William A.	Koerner	Kingwood	Yes- KingsForest CA Board							Email/Friend or Neighbor	Website/ Email
John L.	Campbell	Kingwood	No							Email	Email
Harold	Weatherwax	Kingwood	No							Friend or Neighbor	Email
Paul	Loup	Kingwood	No							Friend or Neighbor	Website/Email
Joanna	Loup	Kingwood	No								
Stan	Sarman	Kingwood	No							Email	Email
Pete	Rupp	Kingwood	No							Email	Email
Erik	Woods	Kingwood	No							Email	Email
Alan	McLean	Kingwood	No							Email	Email
Kelly	McLean	Kingwood	No								
Fred	Robnett	Kingwood	No								
Fred	McCarty	Kingwood	No							Email	Website/Email
Raines	Rushin	Kingwood	No							Website/Email/Social Media	
Lee	Danner	Kingwood	No							Friend or Neighbor	Email
Paula	Gron	Kingwood	No							Email	Email
Kenneth	Buxton	Kingwood	No							Email	Email
Ben	McLean	Kingwood	No							Email	Email
Jack R.	Allen	Kingwood	No							ļ'	
Chris	Morisetto	Kingwood	No							Email	Email
Craig	Freeman	Kingwood	No							Email	Email

First Name	Last Name	Public Meeting Attended?	Elected Official?	Mailing Address	City	State	Zip	Email Address	Afiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Brian	McCarty	Kingwood	No							Email	Website/Email
John	Miller	Kingwood	No								
David	Feille	Kingwood	No							Email	Email
Cynthia	Horswells	Kingwood	No							Email	Email
Janis	Adams	Kingwood	No							Friend or Neighbor	Email
Bernard	Ryan	Kingwood	No							Website/Email	Email
Bob	Rehak	Kingwood	No							Website/Email/Social Meida/ Friend or Neighbor	Email
William	McCabe	Kingwood	No							Email	Email
Don	Atkins	Kingwood	No							Email	Email
Mike	Waldman	Kingwood	No							Email	
Rubie	Nelson	Kingwood	No							Friend or Neighbor	
Andrew	Ricks	Kingwood	No							Email	Email
Bridgette	Murray	Kingwood	No							Email	`
Sybil	Margaritis	Kingwood	No							Email/ Friend or Neighbor	Email
Colette	Foley	Kingwood	No							Website/Email	Email
Dianne	Lansden	Kingwood	No							Friend or Neighbor	Email
Robert H.	Leilich	Kingwood	Yes- President Woodlands MUD 1							Email	
Laura	Norton	Kingwood	No							Other (Alan Black HCFCD)	Email
Steve	Borys	Kingwood	No							Email	Email
Robert	Vincent	Kingwood	No							Social Media	Email
Stanley	Jorgensen	Kingwood	No							Email/Social Media/ Friend or Neighbor	Email
Loweta	Jorgensen	Kingwood	No								
Mark	Trail	Kingwood	No							Social Media	Email
John	Eckley	Kingwood	No							Email	Email
Daniel	Eastman	Kingwood	No							Email	Email
Glenda	Barth	Kingwood	No							Email	Email
Dee	Price	Kingwood	No							Email	Email
Troy	Dodd	Kingwood	No							Social Media	Email
Melinda	Dodd	Kingwood	No							Social Media	Email
Carolyn	Wright	Kingwood	No							Website/ Social Media	Email
Walter	Wrobel	Kingwood	No							Friend or Neighbor	Website/ Email
Rebecca G.	Dietrich	Kingwood	No							Email/ Friend or Neighbor	Email
Steven D.	Dietrich	Kingwood	No							Email/ Friend or Neighbor	Email
James	Durnin	Kingwood	No							Website	Email
Janice	Durnin	Kingwood	No								
Jeffrey	James	Kingwood	No								
Dale	Barrack	Kingwood	No								
Kathleen	Wilkinson	Kingwood	No							Other (Dave Martin email)	Email
Jesus	Castillo	Kingwood	No							Email	
David	Seitzinger	Kingwood	Yes- HOA Board							Email	Email

First Name	Last Name	Public Meeting Attended?	Elected Official?	Mailing Address	City	State Zip	Email Address	Afiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Scott	Robichaux	Kingwood	No						Email	Email
David A.	Kinison	Kingwood	No						Email	Email
Jackson	Bean	Kingwood							Website	Website
Alan	Raymond	Kingwood	No						Email	Email
Richard F.	Stoisits	Kingwood	Yes					Precinct Chair		
Paul	Margaritis	Kingwood	No						Email/Friend or Neighbor	Email
Leslie	Nicholls	Kingwood	No						Email	Email
Rick	Ankrum	Kingwood	No						Email	Website/Email
Carole	Sydow	Kingwood	No						Website/Email	Email
Susan	Beech	Kingwood	No						Other	Website
Lisa	Regan	Kingwood	No							
Glenna	Sloan	Kingwood	No						Email	Email (already on)
John M.	Sedlak	Kingwood	No						Social Media/ Friend or Neighbor	Email
James	Propp	Kingwood	No						Email	Email
Debra	Vaughn	Kingwood	No						Email	Website
Brooke	Bacuetes	Kingwood	No						Website	Website/Email
Lori	Palkovics	Kingwood	No						Other(Hoa Meeting)	Email
Jenna	Armstrong	Kingwood	No						Other(Lake Houston Areachan	nber)
Alan	Potok	Kingwood	No						Email	Email
Daryl	Palmer	Kingwood	No						Email/ Social Media	Email/Social Media
Santiago	Pacheco	Kinawood	Νο						Email	Website/Email/Other (Mail)
		J								Website/Email/Other
Cecilia	Pacheco	Kingwood	No						Email	(Mail)
Jeff	Hemmer	Kingwood	No						Email	Email
John	Gray	Kingwood	No						Social Media	Website
Joe	Synan	Kingwood	No						Email	Email
Shawn	Hollaway	Kingwood	No						Email	Email
Kaaren	Cambio	Kingwood	Yes							
(F.R) T.J	Dolce	Kingwood	No						Website/Email/Social Media	
(F.R) T.J	Dolce	Kingwood	No							
Michael	Cahn	Kingwood	No							
Daniel	Monks	Kingwood	No						Website/ Email/Social Media	Website/ Email/Social Media
Paula	Peters	Kingwood	No						Social Media	Email
Michael	Walters	Kingwood	No							
Richard F.	Coutermarsh	Kingwood	No						Email	Email
David	Murphy	Kingwood	No						Email	Email
Claude	Humbert	Kingwood	Yes					/P- SCUD	Website	Email
Alan	Smith	Kingwood	No						Email/ Friend or Neighbor	Website/ Email
Arlette	Combs	Kingwood	No						Email	Email
William	Simister	Kingwood	No						Email/ Friend or Neighbor	Email
Paul	Barker	Kingwood	No						Martin Email	Email
	•	-								

First Name	Last Name	Public Meeting Attended?	Elected Official?	Mailing Address	City	State Zip	Email Address	Afiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Maryanne	Fortson	Kingwood	No							
Travis	Curl	Kingwood	No						Email/Social Media/ Friend or I	Email
Michael	Svoren	Kingwood	No						Email	Website/ Email
Michael	Genco	Kingwood							Email/ Other	
Danna	Genco	Kingwood							Email/ Other	
Robert	Webb	Kingwood	No						Email	Website/Email
Caren	Thomas	Kingwood	No						Other (Sign)	Email
Tina	Crum	Kingwood	No						Other (Signange)	Email
Larry	Vondrak	Kingwood	No							
Truett	Vondrak	Kingwood	No						Email	Email
George	Benoit	Kingwood	No						Website/ Social Media	Email
Tony	Austin	Kingwood	No						Website/ Social Media	Website/ Social Media
Leslie	Broyles	Kingwood	No						Email	Email
Joseph	Mazzarella	Kingwood	No						Email	Email
Michael	Riener	Kingwood	No						Friend/Neighbor	Email
Frances J	Mazzarella	Kingwood	No						Email	
Ed	LaCour	Kingwood	No						Email	Email
Chris	Kalman	Kingwood	No						Other (Hoa)	Website
									Email (LHA Chamber and	
Katherine	Persson	Kingwood	Yes					EMCID Director	Recovery TaskForce)	
James	Hardy	Kingwood	No						Email	Email
Susan	Luethred	Kingwood	No						Email	Email
Sue	Schmidt	Kingwood	No							
Chris	Bloch	Kingwood	No							–
T. Foster	Webb	Kingwood	No						Email	Email
David	Ahlin	Kingwood	No						other (Prtess Release)	
Ralph	De Leon	Kingwood	No							-
Elaine R.	Gray	Kingwood	No						Email	Email
Gary	Gorski	Kingwood	No						Email/ Friend or Neighbor	Email Other/through KMA Ethel
Parhara	Hilburg	Kingwood	No						Other	Other(through KMA Ether
	Poppot	Kingwood	No						Durier Doord Mooting Woodstroom	Email
Baigo	Dennet	Kingwood	No						Evalu Meeting-woodstream	Email
P Dov		Kingwood	No						Social Media	Email
D Rdy Sharan	Mize	Kingwood	No						Social Media	Email
Dradford	Report	Kingwood	No						Email/ Friend or Neighbor	Website/ Email
Frin	Robnett	Kingwood	No						Other (Family)	Website
Ellii Roborta	Morrow	Kingwood	No						Social Media	Fmail/ Social Modia
NUDEILA	WUTUW	Nilywood							Email (From Council Member	
William	White	Kingwood	No						Martin)	Email
Jamie	Rineau	Kingwood	No						Other (HOA)	Other(Mail)
Colleen	Rose	Kingwood	No						Email/ Other (Tribune)	Email
Steve	Rose	Kingwood	No							

First Name	Last Name	Public Meeting Attended?	Elected Official?	Mailing Address	City	State Zi	ip E	mail Address	Afiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
										Other (Chamber of	
Aaron	Renfau	Kingwood	No							Commerce)	
James	Harding	Kingwood	No							Friend or Neighbor	Website
Chris	Schnurpel	Kingwood	No							Email	Email
Jennifer	Schnurpel	Kingwood	No								
John	Alfano	Kingwood	No							Website	Email
Patricia	Alfano	Kingwood	No								
Richard F.	Clayden	Kingwood	No							Email	Email
Tom	DeBoise	Kingwood	No								
Savannah	Mehrtens	Kingwood	No							Website	Website
Dawnett	Lanson	Kingwood	No								
-										Email/Social Media/ Friend or	Website/ Email/ Social
Tony	Lanson	Kingwood	No							Neighbor	
JIII	VVOIOCK	Kingwood	NO								Email
Jen	IVIIIer	Kingwood	INO							Email/Other/Council	
Dan	Burkhardt	Kingwood	No							member Martin)	Email
Alan	Foley	Kingwood	No							Email	Website
Timothy	Baker	Kingwood	No							Email	Email
Michael	Sladek	Kingwood	No								
Frank	Jeanes	Kingwood	No							Other(Layne Yeaehr)	Email
Elias	Abraham	Tomball	No							Email	Email
Matthew	Berg	Tomball	No							Email	Email
Jill	Boullion	Tomball	No							Social Media	Email
Steve	Calkins	Tomball	No							Friend or Neighbor	Email
Jim	Robertson	Tomball	No							Email	Email
Robert H.	Leilich	Tomball	Yes						President The Woodlands MUD #1	Email	Website/Email
Lisa	Mairs	Tomball	Yes							Website	Email
John	Majeswski	Tomball	Yes							Social Media	Website/Email
Jennifer	Seale	Tomball	No							Social Media	Email
Matthew	Hiland	Tomball	No							Website	Email
Jerry	Hlozek	Tomball	No							Email	Email
Don	Hickey	Tomball	No							Email	Email
Richard	Stromatt	Tomball	No							Moco MUD 60	Email
Carol	Stromatt	Tomball	No								





San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix H Comment Form





Community Input Form

Please send in your comments and suggestions, using the form below. The San Jacinto Regional Watershed Master Drainage Plan team will consider and record each comment in the official meeting record

First Name/ Nombre
Last Name/ Apellido
Address/ Dirección
City/ Ciudad
State/ Estado
Zip /Código postal
Phone/ Número de teléfono
Organization/Organización
Email/ Dirección de correo electrónico
Subject/ Tema
Questions/Comments - Preguntas / Comentarios

Questions/Comments - Preguntas / Comentarios								

To submit comments online, visit

https://sanjacstudy.org/contact-us



REGIONAL WATERSHED MASTER DRAINAGE PLAN

San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix I Comments Scanned





San Jacinto Master Drainage Plan December 2019 Public Meetings

Comment Forms PLACEHOLDER FOR REDACTED VERSION





San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix J Comment Database

First Name	Last Name	City	Subject	Comments	Response	Associated Project/Organiz ation
James	Bollig	Huffman	Huffman local drainage	Rain water floods ditches along Monterey Cliff and stays flooded	Thanks for your comment/feedback! We have forwarded your comment	Harris County
				approximately 1-2 weeks after rainfall. Please place camera inside	to the Harris County Engineering Department for review and response. If	Engineering
				storm sewer & inspect for blockage. Please call me when inspector	you would like to follow up with them directly, please contact Jeannie	Department
				arrives so I can pinpoint area of concern.	Peng, Communications Manager at Jeannie.Peng@eng.hctx.net or	
					713.274.3954.	
Greg & Arlette	Combs		Huffman local drainage	Ditch at corner of Pin Oak Creek. Ditches need to be dug to drain	Thanks for your comment/feedback! We have forwarded your comment	Harris County
				water.	to the Harris County Engineering Department for review and response. If	Engineering
					you would like to follow up with them directly, please contact Jeannie	Department
David	Rohde	Kingwood	Kingwood local drainage	Storm drain in Kenwood too small. Need wider opening! Woodridge is	Thanks for your comment/feedback! We have forwarded your comment	Harris County
				a river from North Park to Tree hone Creek over Tree at Hane close to	to the Harris County Engineering Department for review and response. If	Engineering
				E/ School Need to be dug out & brush cut down!	you would like to follow up with them directly, please contact Jeannie	Department
Gary	Caskey	Huffman	SJMDP input, Lake	Why has the Lake Houston area on Lake Houston and the East Fork San	Thanks for your comment/feedback. We have forwarded your debris	HCFCD Citizen Ser
			Houston, East Fork	Jacinto. Debris not been removed. No work at all on the East Fork has	removal requset to our Citizen Service team for review and potential	
				been done!? Why does I oll road have large canals leading to the West	investigatation. Regarding more significant dredging or improvement	
				Fork off the San Jacinto River. Will these also be the case as 99 crosses	work on the East Fork of San Jacinto River, please note that the Harris	
				the San Jacinto East?	County Flood Control District does not have jurisdictional authority along	
			Wine and Decision		the East Fork. Therefore, we require a project partner (City of Houston,	
Tony	Lanson	Kingwood	Kingwood Drainage	I worry about jurisdiction issues between HCFCD and City of Houston,	Thanks for your comment/feedback! Please rest assured that City of	НСЕСО
			Analysis, Ben's Branch	especially in coordinating Ben's Branch maintenance. Drainage from	Houston, Harris County and other jurisdictional entities are coordinating	
				Kingwood into Lake Houston is good. But I worry about the mouth bar	on efforts to improve the drainage in your community. To keep up with	
				at the transition of the river to the lake, and the gates at the dam, and	the latest efforts specific to Kingwood please visit and bookmark:	
				the drainage out of the lake. It all has to work together. Please email any info about flooding.	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information	
Joseph	Mazzarella	Kingwood	Kingwood local drainage,	Removal of silt under bridge on Hidden Lake & High Valley.	Thank you for your feedback. Your concerns are important to us and we	HCFCD Citizen Ser
			G103-80-04		have forwarded your maintenence requset to our Citizen Service team for	
					review and potential investigatation. Your feedback will be also be taken	
					into consideration.	
Katherine	Persson	Splendora	Atascocita drainage	Thank you for hosting this well planned open house. I would like for	Thank you for your feedback. Your concerns are important to us and we	HCFCD
		(Peach Creek		Lone Star College Kingwood to be included in the Atascocita Drainage	have forwarded your maintenence requset to our Citizen Service team for	
		area)/		Study since it was not part of the Kingwood one. The college had 80%	review and potential investigatation. Your feedback will be also be taken	
		Kingwood		of its facilities damaged by Harvey/ \$60m & 24+ months later we have	into consideration.	
		(w. Fork San		restored our losses Katherine Persson LSC-Kingwood President		
Bob	Rehak	Kingwood	Kingwood Drainage	Extend ditches & Creeks across county lines so we can see where water	Thank you for your feedback. Your concerns are important to us and we	HCFCD
			Analysis	is coming from.	have instructed the project consultant to incorporate the suggested	
					change in this study. Please visit and bookmark:	
					https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
					latest projects and efforts in your area.	

		C :	Cubiest	Commonte	Decemente	Associated
First Name	Last Name	City	Subject	Comments	Response	Project/Organiz
Nevon & Alicia	White	Huffman	Huffman area, Cypress	We live in the Cypress Point subdivisions in the middle. We deal with	Thanks for your comment/feedback. The Flood Control District is	HCFCD
			Point	flooding due to elevation changes. We are located on Lone Pine Dr. at	currently in the process of completing a PER (Preliminary Engineering	
				the end of the street. Our neighbors have a pond that often overflow	Report) as a follow up for a broader drainage analysis recently completed	
				onto our property. My question is how can we protect our property	for the Huffman Area to improve the drainage system in your community.	
				and home from flooding even during a regular thunderstorm. We	Please check hcfcd.org for the latest updates or visit our interactive map:	
				constantly have to combat flooding waters. How can we partner	https://www.hcfcd.org/Resilience	
				together to manage the drainage flow and collective flood waters. We		
				work to maintain our property and keep it clean in order to prevent or		
				cause flooding by our lack of being responsible homeowners. The		
				Cypress Point subdivision would greatly benefit from drainage support		
Scott	Robertson	Huffman	Lake Houston area	Unable to identify owner of property at the west end of Carriage View	Thanks for your comment/feedback! We have forwarded your comment	Harris County
				Lane that drains directly into Lake Houston. Please contact me. Thanks,	to the Harris County Engineering Department for review and response. If	Permit Office
				Scott.	you would like to follow up with them directly, please contact Jeannie	
					Peng, Communications Manager, at Jeannie.Peng@eng.hctx.net or	
					713.274.3954.	
James	Bollig	Huffman	Huffman area, TxDOT	TXDOT must clear obstructions under FM 2100/Box Culvert in Huffman.	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
				New development - Villages of Pine Ridge water does not flow under	and will be taken into consideration.	
				2100! Must be corrected ASAP.		
Gary	Fletcher	Huffman	Huffman bypass	Luces Bayou Flood Control Ditch for the 73 AR Project need to be	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
				addressed. Heavy for possible flooding.	and will be taken into consideration.	
Barbi	Kutilek	Huffman	Lake Conroe, Lake	1) Please, please keep Lake Conroe lowered until Lake Houston Flood	Thanks for your comment/feedback! Your concerns are important to us	HCFCD, SJRA,
			Houston	Gates are completed. This action keeps our homes from flooding. 2)	and will be taken into consideration.	СоН
				Please "police" future developments such that all flood, drainage,		
				detention plans are followed- permits in place, etc.! 3) Please continue		
				to improve Luce Bayou & East Fork drainage. Please monitor		
				development plans in this area.		
David	Madden	Huffman	Cedar Bayou, Forest	Flooding comes from Cedar Bayou. Water backs up from Ramsey: Old	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
			Manor	Atascocita Road. Water from Imelda would not drain off.	and will be taken into consideration.	
Mark	Madigan	Huffman	East Fork	Why has nothing been done on the East Fork! When is something going	Thank you for your feedback. Your concerns are important to us and will	HCFCD
	0			to be done about all the sand plants along both rivers! Please have	be taken into consideration. I will be contacting you to discuss your	
				someone contact me - 281-381-8917	comments. You may also contact me directly at 346-286-4027. Please	
					visit hcfcd.org for the latest updates or visit our interactive map:	
					http://www.bcfcd.org/Docilionco	
Maria	Martin	Huffman	Huffman, Luce Bayou	Building a by-pass channel through the highest point on Huffman	Thank you for your feedback. Your concerns are important to us and will	HCFCD
			bypass	Cleveland Rd makes no sense and is flat out WRONG! Homeowners	be taken into consideration. Please visit hcfcd.org for the latest updates	
				that live on Huffman Cleveland Road built on the high land so that we	or visit our interactive map: https://www.hcfcd.org/Resilience	
				would not flood. The back of our property is a natural green space to		
				allow for water to rise without flooding our homes. Jennifer Hundl said		
				you wouldn't solve the issue on the other side of FM 2100 because of		

First Name	Last Name	City	Subject	Comments	Response	Associated Project/Organiz ation
JoAnne	Taylor	Huffman	Huffman, Luce Bayou bypass	I would like to be contacted as drainage preliminary route stages by Alvin Jackson or Jennifer Hundl.	Thank you for your feedback. Your concerns are important to us and will be taken into consideration. One of our HCFCD project managers, Alvin Jackson, will be contacting you to discuss your comments. You may also contact him directly at 346-286-3612. Please visit hcfcd.org for the latest updates or visit our interactive map: https://www.hcfcd.org/Resilience	HCFCD
Don	Atkins	Porter	Kingwood area, development in Woodridge	We received 31 1/2" rain during Harvey and Adams St. didn't have water standing on Roadway except 4-5 small, shallow places. Sept & May this year, Adams St. was totally flooded with approx. 8-10" water the length of the street. Most homes on South side of Adams St. got water in them. We live on the North side of Adams St. and got water inside our house for the first time ever during the May event.	Thanks for your comment/feedback! Your concerns are important to us and will be taken into consideration. Please visit and bookmark: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the latest projects and efforts in your area.	HCFCD
Susan	Beech	Kingwood	Kingwood area, Taylor Gully	Water from Taylor Gully has flooded homes at corner of Willow Wood Trail and Silverberry Trail in Woodstream.	Thanks for your comment/feedback! Your concerns are important to us and will be taken into consideration. Please visit and bookmark: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the latest projects and efforts in your area.	HCFCD
Les	Broyles	Kingwood	Kingwood area	Intersections at Greenwood Glen and Oakwood Forest historically flooded. Also, street floods at Abour address - storm drains get overwhelmed.	Thanks for your comment/feedback! Your concerns are important to us and will be taken into consideration. Please visit and bookmark: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the latest projects and efforts in your area.	HCFCD
Richard	Coutermarsh	Kingwood	Kingwood area	I have 1st hand experience conducting highwater rescues & have witnessed the water levels that come across Dogwood into the backyards of Woodstream residents located along Taner Ln Trails. The road changes located a long Dog wood are not adequate to handle the increased amounts of water that comes from the area between Mills Branch and Dogwood.	Thanks for your comment/feedback! Your concerns are important to us and will be taken into consideration. Please visit and bookmark: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the latest projects and efforts in your area.	HCFCD
Paula & Jack	Gron	Kingwood	Kingwood area	Thank you so much for this important information session. As a new resident in a non-flooding area, we are trying to decide about buying flood insurance. Now I know what streams and drainage diversion areas we are surrounded by as well as receiving more info on who is responsible to mitigate flooding(&where) AND - what projects are now underway. AGAIN, THANK YOU!	Thanks for your comment/feedback! Your concerns are important to us and will be taken into consideration. Please visit and bookmark: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the latest projects and efforts in your area.	HCFCD
Stanley	Jorgensen	Kingwood	Kingwood area, Ben's Branch	I have provided the project engineer with photos taken of Ben's Branch directly behind my house depicting erosion occurring to the Bank's edge. With the Tax Day and Memorial Day floods in 2017, coupled with Hurricane Harvey, and more recently Imelda, the rate of bank erosion	Thanks for your comment/feedback! Your concerns are important to us and will be taken into consideration. Please visit and bookmark: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the latest projects and efforts in your area.	HCFCD
Tony	Lanson	Kingwood	Kingwood area	Comment field left blank.	n/a	HCFCD

						Associated
First Name	Last Name	City	Subject	Comments	Response	Project/Organiz ation
Paige	Lewis	Kingwood	Kingwood area	We flooded in Imelda. Our neighbors flooded in May and again in	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
				September. The waters flowed down (south) Chestnut Ridge form St.	and will be taken into consideration. Please visit and bookmark:	
				Andrews. We didn't flood in Harvey or any other storms. It seems as if	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
				the drainage along St. Andrews is overflowing and forcefully flowed	latest projects and efforts in your area.	
Chris	Morisette	Kingwood	Kingwood area	What specifically is being done to protect the housing and businesses	Thanks for your comment/feedback! City of Houston, Harris County and	HCFCD
				in Kingwood's Town Center(e.g. HEB, Randall's, etc.)?	other jurisdictional entities are coordinating on efforts to improve the	
					drainage in the Kingwood community. To keep up with the latest efforts	
					specific to Kingwood please visit and bookmark:	
					https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information	
Roberta	Morrow	Kingwood	Kingwood area	Concerns in Trailwood - Bayou fills, street can't drain! River Falls near	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
				Greenbelt. Everyone is blaming someone else!	and will be taken into consideration. Please visit and bookmark:	
					https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
					latest projects and efforts in your area.	
Michael	Riener	Kingwood	Kingwood area, Forest	There was significant flooding in 1994 and 1998. In a public meeting at	Thanks for your comment/feedback! It is difficult to pinpoint any one	HCFCD
			Cove	the college near KW drive & Sorters Road, it was that the San Jacinto	website or source for the historical information you are requesting;	
				River had reached new crests in every decade since the 1950s. Did any	however, much of the current effort are detailed here:	
				work ever get done with the recommendations from those meetings?	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information.	
				There is nothing evident.		
Michael	Riener	Kingwood	Kingwood area	Would like to know what is being done right now to eliminate the flow	To keep up with the latest efforts to restore and improve the drainage	HCFCD
				restrictions for the water that came into that area on the most flood	system in Kingwood please visit and bookmark:	
				event.	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information. With	
					regard to regulatory and restrictive flow policies, those inquiries would	
					need to be directed to the the local City or County governing bodies that	
					set those policies and regulations.	
Jamie	Rineau	Kingwood	Kingwood area,	After the storm, other areas drain into Taylor Gulley. The Gulley then	The capacity and improvement of Taylor Gully and the drainage network	HCFCD
			Woodstreams, Taylor	backs up and floods Woodstreams Village and its homes. The Gulley is	in Kingwood is one of the areas of concern that HCFCD is working to	
			Gully	eroded and cannot adequately manage the capacity of water draining	address. You can follow along with the current restorative efforts in	
				into it. When will this issue be addressed?	Taylor Gully by visiting: https://www.hcfcd.org/Hurricane-	
					Harvey/Kingwood-Information	
Bernard	Ryan	Kingwood	Kingwood area, Imelda	On 19th September 2019, I called a friend who also lives at 5602 Lofty	Thanks for your comment/feedback! The local/urban flooding within the	HCFCD
			Drainage/ Mills Branch	Magnolia Ct, Kingwoods, 77345. I was concerned he was going to flood.	Kingwood subdivisions drainage systems are one of the things HCFCD is	
			Area	His street was flooded and water was coming onto his driveway. I met	working to address. You can follow along with the current restorative	
				him again a week later and he told me that the drainage behind his	efforts in Kingwood visiting: https://www.hcfcd.org/Hurricane-	
				house (Guentre Drainage?) had very little water in it during Imelda	Harvey/Kingwood-Information	
				rainfall. Is there a blockage somewhere? At the same time on the		
				morning of 19 September there was heavy flow of water coming down		
				Forest Garden and crossing Kingwood drive. It was sufficient to stop		

		City	Subject	Commonte	Despense	Associated
FIRST Name	Last Name	City	Subject	Comments	Response	ation
Caren	Thomas	Kingwood/	Kingwood area, Imelda	Thank you for all your hard work. My house flooded in Harvey and my	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
		Atascocita	Drainage/ Millis Branch	street flooded in Imelda. Harvey flooding caused by release of large	and will be taken into consideration. Please visit and bookmark:	
			Aled	ensure that doesn't hannen again. Imelda flooding caused as the result	latest projects and efforts in your area	
				of lack of proper storm drains. (This is not a new reoccurrence.) Shape		
Harold	Weatherwax	Kingwood	Kingwood area, Imelda	In the last two floods, water and sewage backup started flowing from	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
			Drainage/ Mills Branch	the storm drain at the end of Laurel Mist Ct. The storm water comes	and will be taken into consideration. Please visit and bookmark:	
			Area	from Taylor Gully and drains in the Wilson Creek watershed at the end	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
				of Laurel Mist Ct. The Wilson Creek watershed surround by Science	latest projects and efforts in your area.	
				Wood Road flows into large Wilson Creek watersned. There is no flow		
Foster	Webb	Kingwood	Kingwood area	Please see scanned comment form and attached comments included in	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
				the "Kingwood Comment Forms" file.	and will be taken into consideration. Please visit and bookmark:	
					https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
Cocilia		Kingwood	Kingwood area	We have lived in Kingwood for the last 20 years at Beaver Lodge Dr	latest projects and efforts in your area.	
Cecilia		Kingwood	Kingwood area	During Harvey, we were flooded when the dams were open in Lake	and will be taken into consideration. Please visit and bookmark:	псгср
				Conroe We are very concerned because during "Imelda" the water	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
				came close to our house. How can we get your attention about this?	latest projects and efforts in your area.	
				Thanks for your help.		
Michael	Cahn	Kingwood	Kingwood area,	Stop the Kingwood Docks Development which is in an area previously	Thanks for your comment/feedback! Your concerns are important to us	HCFCD, CoH
			development, dredging	used for detention and restore its natural environment. Wider drainage	and will be taken into consideration. Please visit and bookmark:	
				canals at Kingwood Drive and NorthPark. Dredge the mouth bars on	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
				East & West Forks and then Lake Houston of 70 years of sediment.	latest projects and efforts in your area.	
James	Durnin	Kingwood	Kingwood area	We have lived at this address 42 years. Though the street floods to	Thanks for your comment/feedback! Your concerns are important to us	HCFCD
				carry away excess rainwater whenever it is a heavy event, our home	and will be taken into consideration. Please visit and bookmark:	
				had never flooded until "Imelda" in September 2019. We have very few	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
				storm drains, and they have not been maintained properly. As retirees	latest projects and efforts in your area.	
				at home most of the time, we would see any maintenance activity in		
Rubie	Nelson	Houston	Lower San Jac area	I live close to the ship channel/area.	Thank you for your feedback. Your concerns are important to us and will	HCFCD
					be taken into consideration. Please visit hcfcd.org for the latest updates	
					or visit our interactive map: https://www.hcfcd.org/Resilience	
Raines	Rushin	Kingwood	SJMDP compliment	Aaron Evans is a national treasure. Loved the format. Very Informative.	Thank you for your feedback. Your concerns are important to us and will	HCFCD
					be taken into consideration. Please visit hcfcd.org for the latest updates	
					or visit our interactive map: https://www.hcfcd.org/Resilience	
Janis	Adams	Kingwood	Lake Houston gate,	Lake Houston gates - Expedite study & install gates. Drainage tax -	Thank you for your feedback. Your concerns are important to us and will	нсесо, сон
			Kingwood area, sand	amount S spent on Kingwood area. Restrict sand mining & increase	be taken into consideration. Additionally your comments regarding Lake	
			mining	innes for sitting of river.	like to follow up with them directly, contants Adam Estan at	
					like to follow up with them directly, contanct Adam Eaton at	

						Associated
First Name	Last Name	City	Subject	Comments	Response	Project/Organiz
Donald	Bonnette	Willis	Lake Conroe	Dear Members, I am a registered voter that has lived on the shores of	Thanks for your comment/response! You inquiry was forward to our	SJRA
				Lake Conroe for the past 16 yrs. I am writing to request your help in	study partner, the San Jacinto River Authority for review and response. If	
				investigating the actions of the San Jacinto River Authority. The SJRA	you would like to follow up with them directly, please contact	
				has been lowering the lake due to pressure from citizens of Kingwood.	floodmanagementdivision@sjra.net. or visit https://www.sjra.net/	
				They claim their properties were flooded during Hurricane Harvey		
Dan	Burkhardt	Kingwood	Lake Conroe, Lake	Seasonal lowering of Lake Conroe and Lake Houston are absolutely	Thank you for your feedback. Your concerns are important to us and will	SJRA
			Houston	necessary or we will be underwater again. Flood gates on Lake Houston	be taken into consideration. Additionally, your comment was forward to	
				are absolutely necessary and need immediately. PLEASE EXPEDITE Lake	our study partner, the San Jacinto River Authority for review and	
				Houston floodgates!!!	response. If you would like to follow up with them directly, please	
					contact floodmanagementdivision@sjra.net. or visit	
					https://www.sjra.net/	
Steve	Calkins	Tomball	SJMDP input	Urgent needs that I hope will be addressed as a result of the study: 1)	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				Alignment of building standards, codes, & restrictions throughout all	be taken into consideration. Please visit hcfcd.org for the latest updates	
				governing authorities. 2) Better and sort up-to-date flood stage	or visit our interactive map: https://www.hcfcd.org/Resilience	
				markers throughout the region. Things I recommend the study		
				includes/ accounts for: 1) Plans by area MUDs for their own		
				neighborhood mitigation efforts.		
John	Courtney	Montgomery	Lake Conroe	The lowering of the lake according to the present temporary/seasonal	Thank you for your feedback. Your concerns are important to us and will	SJRA
				plan is yielding severe damage to nature and man. This present plan	be taken into consideration. Please visit hcfcd.org for the latest updates	
				must be stopped and better management plan be put in place that will	or visit our interactive map: https://www.hcfcd.org/Resilience	
				not cause damage to our valuable resource.		
John	Courtney	Montgomery	Lake Conroe	Please consider the TOTAL impact of the present temporary/seasonal	Thanks for your comment/response! You inquiry was forward to our	SJRA
				lowering of the lake. Every day since July 5 the lake has lost water, The	study partner, the San Jacinto River Authority for review and response. If	
				present reading is 198.74 and getting lower from the stated minimum	you would like to follow up with them directly, please contact	
				of 199 as stated by the SJRA board. Please change this release plan.	floodmanagementdivision@sjra.net. or visit https://www.sjra.net/	
Kendra	Cox	Huffman	Lake Conroe Lake	1) Keen lowering Lake Conroe in advance of heavy rain events until	Thanks for your comment/responsel. You inquiry was forward to our	SIRA and all
Kendra	COA	Tannan	Houston gates sand	Lake Houston flood gates are operational 2) Regulate sand mining	study partner, the San Jacinto River Authority for review and response. If	nartners
			mines development	operations better (negalize offenders 3) Regulate new developments	you would like to follow up with them directly please contact	partiters
			inines, development	for proper drainage and retention protocols.	floodmanagementdivision@sira.net. or visit https://www.sira.net/	
Travis	Curl	Kingwood	Lake Conroe	Please keep the seasonal temp adjusting of Lake Conroe until more	Thanks for your comment/response! You inquiry was forward to our	SJRA
		0		projects downstream are complete. Thank you.	study partner, the San Jacinto River Authority for review and response. If	
					you would like to follow up with them directly, please contact	
					floodmanagementdivision@sjra.net. or visit https://www.sjra.net/	
Alan	Heilman MD	Willis	Lake Conroe	Could you please let me know when you expect your plan to be	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				complete. Have you contacted any homeowners or businesses on Lake	to be completed later this year there will also be additional public	
				Conroe to determine the effects of the Seasonal Lowering of the Lake?	meetings to share and discuss the results. To keep up with the latest	
				Do you have a position statement on the seasonal lowering of Lake	status of the San Jac Study, please visit and bookmark:	
				Conroe? If you do, could you share that with me. I would love to	https://sanjacstudy.org/. For questions related to Lake Conoroe please	

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First Name	Last Name	City	Subject	Comments	Response	Project/Organiz
Jeff	Hemmer	Kingwood	SJMDP input	You show highest flood elevation at US 59 was 69'6". Well that is	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				where gauge maxed out. Look at actual readings of went out of range	be taken into consideration. Please visit hcfcd.org for the latest updates	
				for 4-8hrs. Should be 72' if extrapolate. Let's tell the truth!	or visit our interactive map: https://www.hcfcd.org/Resilience	
Matt	Hiland	Round Rock	SJMDP compliment and	Nice job of organizing the information and making it digestible for	Thank you for your feedback. Notifications for the meetings were posted	HCFCD
			input	people. The people presenting the information were friendly and	online at www.sanjacstudy.org and www.hcfcd.org/C17. Additionally,	
				approachable. I would have liked to have seen a map of known	email notices were distributed to elected officials within the project areas	
				flooding issues beyond the inundation maps of major rivers &	and individuals that have contacted the Flood Control District for previous	
Thomas	Hill	Willis	Lake Conroe Water Level	My wife and I spent a large part of our life savings to own a home on	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				the lake front of Lake Conroe. We have a boat and love to take long	to be completed later this year there will also be additional public	
				lazy sunset boat rides, take our grandchildren out to ride floats and	meetings to share and discuss the results. To keep up with the latest	
				swim. That is not possible, nor has it been, for the last four or five	status of the San Jac Study, please visit and bookmark:	
				months. There is not enough water in the lake to launch our boat! This	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
				lowering of the lake level on a bet has reduced our property value	conctact: floodmanagementdivision@sira.net. or visit	
Cinda	Horswell	Kingwood	Lake Houston gates, sand	We need to complete projects approved in bond issue- 1) more gates	Thank you for your feedback. Your concerns are important to us and will	СоН
			mines, dredging	on Lake Houston dam. 2) dredging of San Jacinto River- and continued	be taken into consideration. Please visit hcfcd.org for the latest updates	
				maintenance dredging (mouth bar). 3) Outlaw sand mining in	or visit our interactive map: https://www.hcfcd.org/Resilience	
				floodplain.		
Charles & Darcy	Housewright	Crosby	Gum Gully	Crosby/Huffman and the surrounding areas are experiencing enormous	Thank you for your feedback. Your concerns are important to us and will	SJMDP
				economic growth. We have individuals and corporations investing	be taken into consideration. Please visit hcfcd.org for the latest updates	
				their lives into our community and we have failed to receive the	or visit our interactive map: https://www.hcfcd.org/Resilience	
				necessary mitigation and maintenance from Harris County Flood		
				Control District to support our growth. Gum Gully part of the Jackson		
				Bayou Watershed is in desperate need of mitigation and maintenance.		
Stanley	Jorgensen	Kingwood	Lake Conroe	I received 56" of water in August 2017 from Hurricane Harvey. We	Thanks for your comment/feedback! The results of the study is estimated	SJRA
	U U			were holding our own until the Conroe dam released 78,000 CFS of	to be completed later this year there will also be additional public	
				water. Any prudent person &/or board would have begun a pre-	meetings to share and discuss the results. To keep up with the latest	
				release. Granted, flooding would still have occurred , but not to the	status of the San Jac Study, please visit and bookmark:	
				extent that it did. Recent rains have made it quite evident that lack of	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
Chris	Kalman	Kingwood	SJMDP input	San Jac East Fork/ Where Caney Creek, Peach Creek and East Fork meet	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				needs to be addressed. The entire N/E side of Kingwood drains into the	be taken into consideration. Please visit hcfcd.org for the latest updates	
				area where these water ways converge. Flooded in Harvey, May storm	or visit our interactive map: https://www.hcfcd.org/Resilience	
				and Imelda. Taylor Gully only drains as well as East Fork!!		
Jo	Kemper	Humble	SJMDP input	We live in Northshire II between Deerbrook Mall and the river. Our 42	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				year old house had never flooded until Harvey, and we had no flood	be taken into consideration. Please visit hcfcd.org for the latest updates	
				insurance. Nothing can be done about the past and our concerns are of	or visit our interactive map: https://www.hcfcd.org/Resilience	
				the future. ALL building within the flood plain of the SJ River needs to		
				stop until this study is complete. The extension of Townsen road west		
				to 99 needs to also stop until this study is complete. We are convinced		
				that the building of the Target shopping center on Townsen and the		

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						ation
Dave	Kinison	Kingwood	Lake Conroe	Lake Conroe needs a better operational plan to release water in a more	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				controlled manner. Releasing 79,100 cuffs during Harvey was reckless.	to be completed later this year there will also be additional public	
				They didn't need to release that fast. Much flooding in West Fork could	meetings to share and discuss the results. To keep up with the latest	
				have been avoided.	status of the San Jac Study, please visit and bookmark:	
					https://sanjacstudy.org/. For questions related to Lake Conoroe please	
					conctact: floodmanagementdivision@sjra.net. or visit	
					https://www.sjra.net/	
Joseph	Mazzarella	Kingwood	sand mines	Land fill mining of material flowing from East Fork San Jacinto River,	Thank you for your feedback. Your concerns are important to us and will	all partners
				putting a lot of silt on the river bed and also changing of the river. Look	be taken into consideration. Please visit hctcd.org for the latest updates	
D data a tra	N A A A A			what it did to HAS Eastend Park. Thank you.	or visit our interactive map: https://www.hcfcd.org/Resilience	
Bridgette	Murray		Lower San Jac area	Disappointed that this study is NOT inclusive of the communities at I-10	I nank you for your feedback. Your concerns are important to us and will	НСЕСД
				& 610 to the Port of Houston. Unfortunately, the drainage from	be taken into consideration. Please note that there are other study	
				northern areas drain to our community, Pleasantville, resulting in	efforts in neighboring watersheds and communities that you can read	
				flooding. No relief from TXDOT 610 (pending) or storm sewer projects	about at www.nctcd.org.	
D data a tra	N A A A A			by the City of Houston.	The state of the s	
Bridgette	Murray	Houston	Lower San Jac area	Community located at nexus of 1 10 E & 610 - 2 miles from Port	I nank you for your feedback. Your concerns are important to us and will	НСЕСД
				Houston. By HCFCD map, our community is Not in a flood plain, but we	be taken into consideration. Please note that there are other study	
				tiood. Included in San Jacinto Watersned. Very vulnerable community	efforts in heighboring watersheds and communities that you can read	
	01			without any evidence of inclusion in these plans.	about at www.nctcd.org.	
Jonn	Olson	Willis	Lake Conroe	I live in a water-front community on the east side of Lake Conroe and I	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				am writing to you to express my concerns with your decision to	to be completed later this year there will also be additional public	
				Implement and possibly now continue the Seasonal Lake Lowering	meetings to share and discuss the results. To keep up with the latest	
				Program on Lake Conroe. The Lake Conroe Seasonal Lake Lowering	status of the San Jac Study, please visit and bookmark:	
John	Olson	Willis	Lowering Lake Conroe	(Comment continued) I hope in future discussions on this Program,	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				solid, engineering studies are used to support data-based decisions and	to be completed later this year there will also be additional public	
				not rash, uninformed responses. Needless to say, the Seasonal Lake	meetings to share and discuss the results. To keep up with the latest	
				Lowering Program wastes significant volumes of fresh water, it creates	status of the San Jac Study, please visit and bookmark:	
				safety hazards for boaters on the lake and it puts the lake in a	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
				vulnerable position to provide fresh water in drought conditions like	conctact: floodmanagementdivision@sjra.net. or visit	
				we experienced a few years ago when Lake Houston requested water	https://www.sjra.net/	
John	Olson	Willis	Lake Conroe	I went to the meeting site this morning but was very disappointed that	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				I could not get in. The place was packed! Nor were there any good	to be completed later this year there will also be additional public	
				places to park. I got turned around and had to park far away from the	meetings to share and discuss the results. To keep up with the latest	
				building and then walk to it. Because I have a disability this was	status of the San Jac Study, please visit and bookmark:	
				difficult (and not very ADA compliant either). This being a government	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
				entity this is not appropriate. I am disappointed my voice was not	conctact: floodmanagementdivision@sjra.net. or visit	
				heard at the meeting as I want the SJRA to stop lowering the lake.	https://www.sjra.net/	

						Associated
First Name	Last Name	City	Subject	Comments	Response	Project/Organiz ation
Paula	Peters	Humble	Lake Houston gates	Studies are fine BUT when will mouth bars on SV be REMOVED? When	Thank you for your feedback. Your concerns are important to us and will	СоН
				will gates be installed on Lake Houston? These are known issues for	be taken into consideration. Please note several related multi-agency	
				years and yet the issues still exist. While study after study performed,	efforts are in progress at this time, each with varying timeframes. Please	
				homes, business, and LIVES at RISK!	check with City of Houston for Lake Houston gates and dredging status	
					updates. If you would like to follow up with them directly, contanct	
					Adam Eaton at adam.eaton@houstontx.gov	
Michael	Poff	Naples	SJMDP input	Please put me on the mailing list to receive updates on the SJRWMDP.	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				Thanks.	be taken into consideration in this study and you have been added to our	
					notificaiton list to recieved project updates. Please also visit and	
Diana	Ramirez	Montgomery	Lake Conroe	Hello, I live in April Sound, I have a waterfront townhouse with my own	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				boat slip. I retired here to enjoy the lake and I bought a pontoon. My	to be completed later this year there will also be additional public	
				boat has been sitting in my slip with spider webs and all I can do is look	meetings to share and discuss the results. To keep up with the latest	
				at 6 inches of water in my slip and 3 feet of water in the cove. My	status of the San Jac Study, please visit and bookmark:	
				neighbors and myself are deeply disturbed by the low water situation.	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
				The effects of it are numerous, lake's ecology, property values,	conctact: floodmanagementdivision@sjra.net. or visit	
				businesses on the lake, etc. Please develop a plan that will not have	https://www.sjra.net/	
Alan	Raymond	Kingwood	Kingwood area	The Kingwood Diversion Ditch needs to be widened as part of the	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				SJRWMDP, it's a major artery to carry water out of Kingwood to the	be taken into consideration in the Kingwood study. Please visit and	
				river and was near max capacity in the last rain episode.	bookmark: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-	
					Information for the latest projects and efforts in your area.	
William	Rose	Humble	SJMDP input	1) What input is being used in the study of growth rates in Harris and	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				Montgomery, Liberty counties with projections of amounts of runoffs	be taken into consideration. Please visit hcfcd.org for the latest updates	
				as Houston & counties grow? Projections of growth through what year	or visit our interactive map for information on this and other projects:	
				(10 years, 20 years going forward)? 2) Are there any plans to create a	https://www.hcfcd.org/Resilience	
				Harris, Montgomery, Liberty County Area Council (Similar to Houston-		
				Galveston Area Counsel) after the study is completed? 3) What		
				methodology will be used to distribute possible capital improvements		
Pete	Rupp	Kingwood	Lake Conroe	This a belated comment about the Public Open House held in	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				Kingwood regarding the "San Jacinto Regional Watershed Master	to be completed later this year there will also be additional public	
				Drainage Plan". I found the presentations very interesting and	meetings to share and discuss the results. To keep up with the latest	
				comments of the various organizations helpful. My one concern is that	status of the San Jac Study, please visit and bookmark:	
				while the necessary investment options were being evaluated, there	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
				was no discussion of operating procedures. We have lived here since	conctact: floodmanagementdivision@sjra.net. or visit	
				1985 and the two worst incidents we have experienced were at least	https://www.sjra.net/	
				partially due to "operator error" on the part of SJRA. In 1994 and		
				(during Harvey) in 2017 the SIRA tried to hold the water in Lake Conroe		
William	Simister	Kingwood	SJMDP	The maps you presented tell an interesting story and should be made	Thank you for your feedback. Your concerns are important to us and will	HCFCD
			compliment/input	available on your website. That's my request- they represent a lot of	be taken into consideration in this study. Please visit and bookmark:	
				good work and will enable the public to better understand the past	https://sanjacstudy.org/ for the latest updates on this project.	
				floods and what actions are being taken for the future.		

						Associated
First Name	Last Name	City	Subject	Comments	Response	Project/Organiz ation
Glenna	Sloan	Shenandoah	SJMDP input	1) On someone's website I'd like to see visual, video, graphic	(RL Response) Hello Glenna Sloan - Thanks for your questions/comments,	HCFCD
				representation of Watershed, how and where it floods 2) East county	we apprciate the helpful information. To keep up with the latest status of	:
				flooding- Amongst those who can least afford it. My daughter and so	the San Jac Study, please visit and bookmark: https://sanjacstudy.org/.	
				on Lake road were flooded during Harvey & Imelda. 3) vehicles +		
				tractor were flooded + flooded + loss of musical equipment. He		
Paul	Strother	Willis	Lake Conroe	I live in a water-front community on the east side of Lake Conroe and	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				have loved this area since the 60's. I am writing to you to express my	to be completed later this year there will also be additional public	
				disappointment with our San Jacinto River Authority decision to	meetings to share and discuss the results. To keep up with the latest	
				"Temporarily" implement and possibly continue or make permanent	status of the San Jac Study, please visit and bookmark:	
				the Seasonal Lake Lowering Program on Lake Conroe. I thought it made	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
Paul	Strother	Willis	Lake Conroe	(Comment continued) They need to be accountable and will non-biased	Thanks for your comment/feedback! The results of the study is estimated	SJRA
				studies need to help them make decision that are best for all. Here are	to be completed later this year there will also be additional public	
				some of the issues that are being caused by the decision to dredge last	meetings to share and discuss the results. To keep up with the latest	
				yearIt's not smart water management to continue this program and	status of the San Jac Study, please visit and bookmark:	
				is a huge waste of taxpayer's moneyWastes significant volumes of	https://sanjacstudy.org/. For questions related to Lake Conoroe please	
				fresh water, that the lake was designed to createEffect on wildlife -	conctact: floodmanagementdivision@sjra.net. or visit	
				I've noticed there aren't nearly as many bald eagles as we had before	https://www.sjra.net/	
Joseph	Synan	Kingwood	Dredging of Lake	I would like to understand how the dredging project would mitigate	Thank you for reaching out and the inquiry. The US Army Corps of	HCFCD, CoH
			Houston	future flooding. Are there calculations regarding the increase in	Engineers had done some reports and studies related to the recent	
				waterflow during a flood event? Are there calculations demonstrating	dredging. I have received some copies recently, however, will have to	
				that a lower water flood level would result with a Harvey level rainfall?	review them and determine whether they're relevant final products and	
				Is it possible to receive a copy of the entire rationale for the project?	how shareable they are. Harris County Flood Control District is currently	
				Thank you. Joel Synan.	partnered with Montgomery County, San Jacinto River Authority and the	
					City of Houston, using an additional 75% partner funds from FEMA to	
	<u> </u>				investigate the potential inundation outcomes of the new NOAA Atlas 14	
Joseph	Synan	Kingwood	SJMDP input	SUGGESTION: BUILD A DETAILED FLOODING MODEL (see file)	Thank you for your feedback. We are generating one watershed wide	HCFCD
					consistent model as part of the SJMDP. Please visit and bookmark:	
					https://sanjacstudy.org/ for the latest updates on this project.	
іліке	waldman	Kingwood	Kingwood area	Maps were interesting. We did flood during Harvey in to nome,	I nanks for your comment/feedback! Your concerns are important to us	HCFCD
				displaced for 11 months. Still not certain the principle cause. Except	and will be taken into consideration. Please visit and bookmark:	
				that no flooding occurred until Lake Houston level shot 12-13. We	https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information for the	
				continue to believe that was related to excessive release from Lake	latest projects and efforts in your area.	
				Conroe. People I talked to here downplayed that as a cause (not		
				credible). We have rebuilt/ refurbished our home. Have lived in the		
Harold	Weatherwax	Kingwood	SJMDP input	San Jacinto river project should be continuous. The City of Houston to	Thank you for your feedback. Your concerns are important to us and will	HCFCD
				provide arrant source for draining water so they can drag Lake Houston	be taken into consideration. Please visit hcfcd.org for the latest updates	
				without hurling drinking water. A continuous drafting operation should	or visit our interactive map: https://www.hcfcd.org/Resilience	
				keep the mouth of river, Lake Houston and Lake Conroe clean. The		

First Name	Last Name	City	Subject	Comments	Response	Associated Project/Organiz
William	White	Kingwood	SJMDP input	Worry That: 1. Growth (population) may be underestimated for this area. 2. All counties need to be included and compelled to participate. 3. The costs will become a limiting factor as to what can be done!	Thank you for your feedback. Your concerns are important to us and will be taken into consideration in this study. Please visit and bookmark: https://sanjacstudy.org/ for the latest updates on this project.	HCFCD
Kathleen	Wilkinson	Kingwood	Kingwood area, NorthPark Entrance Ditch	This entrance floods due to no maintenance except mowing occasionally. The storm drains are covered with overgrowth, the ditches are typically overgrown with weeds & debris. This is one of (4) exits for 60,000+ people and floods! I email Barbara Smith with Montgomery Co. to mow. She said prisoners would volunteer to clean out but they typically go for dump areas. This is full of debris, needs to be dug out for Culverts & at least edge + keep area clean for water	Thanks for your comments/feedback. You can keep track of the current repair and maintenance efforts in Kingwood at: https://www.hcfcd.org/Hurricane-Harvey/Kingwood-Information. If there are areas of concern that are not covered under our current efforts, please submit a service request here: https://www.hcfcd.org/Contact-Us	all partners
James	Bartlett	Tomball	Spring Creek	Mr. Lazaro - Thank you for the information you provided. I checked the sanjacstudy.org website and it unfortunately is just a high-level overview. I am seeking some idea of what will be done to the Spring Creek channel adjacent to the Holly Creek Estates neighborhood, which lies four miles west of Tomball, between Cypress-Rosehill Road and Kobs Road, as well as when this work will occur. Please advise how I can make an appointment to visit your office to speak to someone	hank you for your feedback. Your concerns are important to us and will be taken into consideration. Please visit hcfcd.org for the latest updates or visit our interactive map: https://www.hcfcd.org/Resilience	HCFCD
Don	Hickey	The Woodlands	Spring Creek	Very interested in 1) flood mitigation on Spring Creek 2) enforcement of construction drawing for our neighborhoods that were not built as designed.	Thank you for your feedback. Your concerns are important to us and will be taken into consideration	HCFCD
Richard	Stromatt	The Woodlands	Spring Creek	1) Can I purchase the Harvey 2017 & Memorial Day 2016 Inundation Maps? 2) Has the flow capacity of Spring Creek been compromised (damaged) by the development of the north most residential section of Northgate in HC? 3) Has Lexus dealership on N. side of Spring Creek Compromised the capacity of Spring Ck? Do these 2 conditions cause higher flood levels west of I-45?	Thanks for your comment/feedback! Current and historical flooding/inundation levels can be found on our Flood Warning System internactive map: https://www.harriscountyfws.org/. On this website, you can search inundation levels by address as well as dates including Harvey, Imelda, Memorial Day 2016, etc. Please visit hcfcd.org for the latest updates or visit our interactive map: https://www.hcfcd.org/Resilience	HCFCD





San Jacinto Master Drainage Plan December 2019 Public Meetings

Appendix K Handouts (Fact Sheet, How to Participate, Contact Sheet)

FALL 2019 (UPDATED) SAN JACINTO REGIONAL WATERSHED MASTER DRAINAGE PLAN FACT SHEET

The San Jacinto Regional Watershed Master Drainage Plan is a comprehensive regional study led by local partners including the Harris County Flood Control District, the San Jacinto River Authority, Montgomery County, and the City of Houston.

This watershed-wide effort, kicked off in April 2019, will identify future flood mitigation projects that can be implemented in the near- and long-term to reduce flood risks to people and property throughout the San Jacinto River regional **watershed**.

The goals of the San Jacinto Regional Watershed Master Drainage Plan are to:

- Identify the region's vulnerabilities to flood hazards using Atlas 14 rainfall
- Develop approaches to enhance public information and flood level assessment capabilities during a flood disaster event
- Evaluate flood mitigation strategies to improve community resilience
- Provide a comprehensive Flood Mitigation Plan that supports the needs and objectives of each regional partner

The goals of the project will be achieved by developing a set of hydrologic and hydraulic models for the major tributaries of the Upper San Jacinto River regional watershed (from the **headwaters** in Walker County to the Interstate 10 crossing at the San Jacinto River in Harris County). The models will use consistent, cohesive methodology and rainfall rates, regardless of the county in which those channels are located.

Information to be developed includes *non-regulatory* **inundation maps** (not intended to replace current effective maps) for the studied streams that show the extent and depth of **riverine flooding** of the larger rivers within the watershed for an array of simulated storm events. Additionally, information will be gathered about the number of structures, acres of land, properties, and miles of roadway that are located within the modeled floodplains. Study results will be used to inform and update **Hazard Mitigation Plans** for each of the participating partners and to provide guidance on regulations for future growth within the study area.

The project area covers nearly 3,000 square miles. The expected completion time frame is Fall 2020. The project is budgeted at \$2.7 million.

Contact Us

The participating project partners are interested in hearing from you. Please contact your local representative with comments and questions:

- Harris County Flood Control District Jing Chen, jing.chen@hcfcd.hctx.net
- San Jacinto River Authority Matt Barrett; mbarrett@sjra.net
- Montgomery County Darren Hess, darren.hess@mctx.org
- City of Houston Adam Eaton, adam.eaton@houstontx.gov

GLOSSARY

Watershed: A geographical region of land or "drainage area" that drains to a common channel or outlet, mostly creeks and bayous. Drainage of the land can occur directly into a bayou or creek, or through a series of systems that may include storm sewers, roadside ditches, and/or tributary channels.

Headwaters: Headwaters are simply the initial source of the water in a river.

Inundation maps: Maps that show where flooding may occur over a range of water levels in a community's local stream or river.

Riverine flooding: Flooding that is the result of creeks and bayous leaving their banks due to heavy rainfall.

Hazard Mitigation Plans: Hazard mitigation is the effort to reduce loss of life and property by lessening the impact of disasters, such as flooding. Governmental organizations engage in hazard mitigation planning to identify risks and vulnerabilities associated with natural disasters, and develop long-term strategies for protecting people and property. Mitigation plans are key to breaking the cycle of disaster damage, reconstruction, and repeated damage.

SAN JACINTO REGIONAL WATERSHED MASTER DRAINAGE PLAN STUDY AREA





3,000 SQUARE MILES OF STUDY AREA

The watershed for the streams to be studied covers an expanse of nearly 3,000 square miles, located in seven different counties:

- Grimes County
- Harris County
- Liberty County
- Montgomery County
- San Jacinto County
- Walker County
- Waller County

The study includes approximately 535 miles of stream, including West Fork San Jacinto River, East Fork San Jacinto River, San Jacinto River, Lake Creek, Cypress Creek, Little Cypress Creek, Spring Creek, Willow Creek, Caney Creek, Peach Creek, Luce Bayou, Tarkington Bayou, and Jackson Bayou.

Stream Name	Stream Length (Miles)	
West Fork San Jacinto River	61.4	
East Fork San Jacinto River	73.2	
San Jacinto River	16.3	
Lake Creek	58.9	
Cypress Creek	60.5	
Little Cypress Creek	20.8	
Spring Creek	69.6	
Willow Creek	19.8	
Caney Creek	49.3	
Peach Creek	53.5	
Luce Bayou	10.8	
Tarkington Bayou	36.9	
Jackson Bayou	4.6	
Total	535.6	

REGIONAL WATERSHED MASTER DRAINAGE PLAN

HOW TO PARTICIPATE IN THE PUBLIC OPEN HOUSE



Watch the Study Video

The study video is an approximately 14-minute presentation intended to give you information about the San Jacinto Regional Watershed Master Drainage Plan (SJMDP) comprehensive regional study. The video will repeat every 15 minutes.

2

Talk with Study Representatives and Provide Feedback

Study representatives are wearing nametags and are looking forward to discussing the study with you. Please let them know if you have any questions or comments. Maps and exhibits are available for your review and comment.

- Blue pens flooding concerns
- Post-it notes general comments

Learn About Other Projects in the Region

Representatives for other projects in the region will be stationed around the room and ready to answer any questions or comments you have about their projects. Maps and exhibits are available for your review and comment.

Complete a Comment Form

Comment forms are available at the registration table. It is very important to provide your written comments because your thoughts and ideas are a critical part of this study. Extra comment forms are also available for you to take home and share with your neighbors, co-workers, relatives, and friends.



SEE BACK FOR MORE

Written comments may be submitted tonight at the public open house or by mail to: Harris County Flood Control District Attn: San Jacinto Regional Watershed Master Drainage Plan 9900 Northwest Freeway Houston, Texas 77092

Comments may also be submitted online at: **www.sanjacstudy.org/contact-us**. For more information about the study, please visit **www.sanjacstudy.org**.


OTHER PROJECTS IN THE REGION

A SJRA-led Projects

Ongoing SJRA projects

B City of Houston-led Projects Ongoing City projects

C Watershed Planning Studies

An evaluation of flooding problems and potential solutions to reduce the risk of flooding in the following watersheds:

- Spring Creek
- Luce Bayou
- Willow Creek
- Jackson Bayou

D Cedar Bayou Tributary Analysis

An evaluation of existing channel capacity of Cedar Bayou tributaries for potential channel conveyance improvements to reduce flooding risks in the watershed

E Kingwood Area Drainage Analysis

An evaluation of the existing level of service for the open channel drainage network and potential improvements to address drainage issues associated with the bayous and open channels in the region

F Huffman Area Drainage Analysis

An evaluation of the Luce Bayou watershed that has identified the channel capacity of existing channels, areas at risk to flood based on 100-year rainfall rates, and improvements necessary to achieve a 100-year channel level of service for existing channels

G Harris County Permit Office

Construction and environmental permit requirements

- H Harris County Engineering Department Recovery and Resiliency Division Ongoing and potential capital improvements projects
- I Hurricane Harvey Repair Efforts Ongoing Hurricane Harvey response projects, ongoing repairs
- J Information about services provided by Harris County Flood Control District, Harris County and Montgomery County

Public works projects, county-wide flood mitigation planning, maintenance activities



Resource Contact Information

The San Jacinto Regional Watershed Master Drainage Plan (SJMDP) aims to develop approaches to enhance public information about the projects and services represented here today. The supplemental contact information and resources provided in this handout are intended to address related disaster and recovery efforts and help provide you with the assistance you need.

General Information for all Counties

To register and apply for assistance, call FEMA at **1-800-621-3362** (**1-800-462-7585** for hearing impaired) or visit **www.disasterassistance.gov.** Call Center hours are 7:00 AM to 10:00 PM Central Standard Time (CST). To register for grants to help pay for temporary housing, home repairs and other serious disaster-related expenses not met by insurance or other assistance programs, visit **DisasterAssistance.gov**. Disaster Loan Information: https://disasterloan.sba.gov/ela/ Phone: 800-659-2955 (800-877-8339 for hearing impaired)

Harris County Flood Control District

Home Buyout Program: **713-684-4020** Residents are encouraged to report bayou and creek blockages to the Harris County Flood Control District's Citizen Service Center at **www.hcfcd.org/contact-us/citizen-service-center**, or by calling **713-684-4197**. Interactive maps are publicly accessible online at **www.harriscountyfemt.org**. To learn more about the different types of flooding in Harris County, visit **www.hcfcd.org**.

Harris County

Harris County Clerk's Office: 201 Caroline Street 3rd Floor, Houston, TX 77002 Phone: **713.274.8600** Harris County Emergency Management: 6922 Old Katy Rd, Houston, TX 77204; Phone: **713-274-8600**, Web: www.cclerk.hctx.net

Report Flooding

Harris County Recovery Network: harrisrecovery.org

Montgomery and Liberty Counties

Office of Homeland Security and Emergency Management: 9472 Airport Rd., Conroe, TX 77303; Phone: **936-523-3900**, Web: https://mcoem.houst.one/ Assistance in cleaning flooded areas, cutting up trees, or moving cut trees: www.Mc-Cares.net



City of Houston

City of Houston Housing and Community Development Department: 2100 Travis Street, 9th floor, Houston, TX 77002; Phone: **832-393-0550**, Web: https://recovery.houstontx.gov/ Office of Emergency Management: 5320 N Shepherd Drive Houston, Texas 77091; Phone: **713-884-4500**, Web: https://recovery.houstontx.gov/ Houston Emergency Site: houstonemergency.org Houston Emergency Center: https://www.houstontx.gov/hec/ Phone: **832-393-2766** Houston Food Bank: 535 Portwall St. Houston, TX 77029; Phone: **713-223-3700**; Web: https://www.houstonfoodbank.org/ City of Houston Switchboard: **713-837-0311** Disaster Recovery Permit Hotline: **713-274-3880** Residential Storm Debris Removal: Dial **311**

National Weather Service - Houston/Galveston Weather Forecast Office

National Oceanic and Atmospheric Administration (NOAA): 1353 FM 646, Ste. 202, Dickinson, TX 77539 Phone: **281-337-5074**, Web: **www.weather.gov/hgx/**

American Red Cross - Houston Chapter

Disaster Services: 1-866-526-8300 (choose option 3)

Crisis Counseling

Disaster Distress Helpline: 1-800-985-5990 or text "TalkWithUs" to 66746

Report Price-Gouging

Attorney General's Consumer Protection Toll-Free Hotline: **1-800-621-0508** or email: **consumeremergency@oag.texas.gov**





San Jacinto Master Drainage Plan

AUGUST 2020 Virtual Public Meeting





San Jacinto Master Drainage Plan August 2020 Virtual Public Meeting

Appendix A Summary Report





San Jacinto Regional Watershed Master Drainage Plan Virtual Public Meeting Summary Report Summer 2020

GENERAL INFORMATION

Date and Time: August 13, 2020 6:30 p.m. - 7:30 p.m.

Location: Online

Via WebEx at: PubliciInput. com/SanJacMasterPlan Meeting Code: 9742 Or by phone: 855-925-2801

Recorded Attendance: 265

Comments Recieved: 144

Email Comments Recieved: 35







Flooding in the San Jacinto Watershed

SAN JACINTO REGIONAL WATERSHED MASTER DRAINAGE PLAN

MEETING SUMMARY

On August 13, 2020, the Harris County Flood Control District hosted a virtual public meeting to present the findings of the San Jacinto Regional Watershed Master Drainage Plan. All materials presented at the meeting as well as a recording of the presentation are available at https://sanjacstudy.org for public viewing. Topics discussed included:

- San Jacinto Regional Master Drainage Plan
- Watershed History
- Flood Modeling
- Flood Mitigation Strategies
- Flood Reduction Benefits
- Additional Regional Measures
- Buyouts
- Flood Response Warning and Response Planning
- Channel Maintenance, Repairs, and Service Requests
- Implementation: Short-term and Long-term strategies

STUDY OVERVIEW

This regional planning study, led by four local partners, including the Harris County Flood Control District (HCFCD), the San Jacinto River Authority (SJRA), Montgomery County, and the City of Houston, was kickstarted in 2019 to identify future flood mitigation projects that can be implemented in the near- and long-term to reduce flood risks to people and property throughout the entirety of the San Jacinto River Watershed. The San Jacinto Regional Watershed Master Drainage Plan (SJMDP) team hosted three public open houses in December 2019 to encourage public participation and input in the SJMDP and provide information about other ongoing study efforts in the San Jacinto River Watershed. The second round of public engagement was held in summer 2020 by a virtual public meeting, and the final Study report is anticipated to be released in fall 2020. For more information about the Study and future public meetings, please visit sanjacstudy.org.

GOALS OF THE SJMDP

Overall, the SJMDP aimed to provide an up-to-date technical basis which identified flooding vulnerabilities for future growth and improve flood resiliency within the watershed. The goals of the SJMDP were achieved achieved by the development of a set of hydrologic and hydraulic models for the major tributaries of the Upper San Jacinto River regional watershed (from the headwaters in Walker County to the Interstate 10 crossing at the San Jacinto River in Harris County). The models used consistent, cohesive methodology and rainfall rates, within one of the seven counties in which those channels are located.

SJMDP Projects

The projects identified by the SJMDP were designed to address the concerns expressed by the various stakeholders in this region. Sixteen large flood mitigation projects (6 potential channel conveyance improvement locations, 10 potential stormwater detention basins, or reservoirs) have been prioritized to reduce vulnerability to flood hazards on the main channels and improve watershed resilience.

Project Name

- 1 Caney Detention at SH 105
- 2 Spring Walnut Creek Detention
- **3** Spring I-45 Channelization
- 4 East Fork Winter's Bayou Detention
- 5 Caney Detention at FM 1097
- 6 Peach SH 105 Detention
- 7 Peach I-69 Channelization
- 8 Spring Birch Creek Detention
- **9** Caney US-69 Channelization
- **10** West Fork Kingwood Benching
- 11 West Fork River Plantation Channel
- **12** Lake Garret's Creek Detention
- **13** Peach Walker Creek Detention
- **14** Lake Caney Creek Detention
- **15** Spring Woodlands Channelization
- **16** Lake Little Caney Creek Detention

COMMUNITY INPUT SUMMARY

- Concerns regarding allocation of funds
- Concerns Lake Houston and neighborhood drainage
- Concerns regarding dredging and maintenance
- Requests to include Continual flooding in Taylor Gully and Commons area
- Interest in the Kingwood and White Oak diversion channels
- Concerns regarding Luce Bayou/Huffman flooding
- Concerns regarding conservation easements
- Concerns regarding the West Fork sand mines are affecting silting and having negative environmental impacts
- Concerns regarding Elm Grove Village flooding
- Concerns regarding development impact

STUDY AREA MAP





Caney Creek





San Jacinto Master Drainage Plan August 2020 Virtual Public Meeting

Appendix B Public Notice



Virtual Community Engagement Meeting for the San Jacinto Regional Watershed Master Drainage Plan

The San Jacinto Regional Watershed Master Drainage Plan (SJMDP), led by the Harris County Flood Control District, along with local partners Montgomery County, the City of Houston, and the San Jacinto River Authority (SJRA), will host a virtual public meeting in August 2020. The purpose of the virtual public meeting is to provide information about study progress and encourage public participation and input in the SJMDP.

The SJMDP study effort began in April 2019 to identify future flood mitigation projects that can be implemented in the near- and long-term to reduce flood risks to people and property throughout the San Jacinto River regional watershed. The SJMDP study area covers nearly 3,000 square miles located in seven different counties and includes approximately 535 miles of stream. The SJMDP is jointly funded with 75 percent from the Federal Emergency Management Agency (FEMA) Hazard Mitigation Planning Program and 25 percent from the four local partners. Overall, the SJMDP aims to provide an up-to-date technical basis to identify flooding vulnerabilities for existing infrastructure and impacts from future growth to improve flood resiliency within the watershed. The SJMDP is scheduled for completion in fall 2020.

Community engagement is an important component of the Bond Program, and we invite your participation as the program is implemented. The virtual Community Engagement Meeting will be held on:

Thursday, August 13, 2020 6:30 p.m. to 7:30 p.m. Join online at PublicInput.com/SanJacMasterPlan Or by phone at 855-925-2801 with Meeting Code: 9742

The meeting will begin with a brief presentation to share project updates, followed by a moderated Q&A session with Flood Control District team members. Residents will be able to submit questions and comments throughout the

presentation. Any comments not addressed during the Q&A session will receive a response after the event.

A recorded version of the meeting will be available on the Flood Control District's website and YouTube channel after the event. Meeting accommodations can be made for those with disabilities. If needed, please contact 346-286-4152 at least 48 hours prior to the meeting.

For questions, please contact the Flood Control District at 346-286-4152, or fill out the comment form online at <u>https://sanjacstudy.org/contact-us/</u>. Comments may also be mailed to the Harris County Flood Control District, 9900 Northwest Freeway, Houston, Texas 77092, Attn: San Jacinto Regional Watershed Master Drainage Plan, For more information about the San Jacinto Regional Watershed Master Drainage Plan, visit <u>www.sanjacstudy.org</u>.

Meeting accommodations can be made for those with disabilities. If needed, please contact 346-286-4152 at least 48 hours prior to the meeting.







San Jacinto Master Drainage Plan August 2020 Virtual Public Meeting

Appendix C Stakeholder Database

Stakeholder Name	Address	City	State	Zip/postal code
Mayor Otis Cohn				
Mayor Toby Powell				
Mayor Jeff Lambright				
Mayor Steven Horelica				
Mayor Stephanie Blume				
Mayor Michael Wolfe				
Clarissa Perez				
Council Member Dave Martin				
Mayor Sylvester Turner				
Mayor Merle Aaron				
Mayor Andy Brauninger				
Mayor William M. Hasting				
Mayor Marty Wells				
Mayor Todd Kana				
Mayor Sara Countryman				
Mayor Paul Bond				
Mayor Lee Ann Walker				
Mayor David Allen				
Mayor Ritchey "Ritch" Wheeler				
Mayor Galen Mansee				
Mayor Danny Marburger				
Ann Snyder				
Bob Milner				
Brian Boniface				
Bruce Rieser				
Gordy Bunch				
John Anthony Brown				
Shelley Sekula-Gibbs				
Mayor Steve Nagy				
Mayor Chris Parr				
Mayor Ralph Leino Jr.				
Judge Joe Fauth III				
Commissioner Chad Mallett				
Commissioner David E. Dobyanski				
Commissioner Barbara Walker				
Commissioner Phillip Cox				
Judge Lina Hidalgo				
Brian Murray				
Commissioner Rodney Ellis				
Commissioner Adrian Garcia				
Commissioner Steve Radack				
Commissioner R. Jack Cagle				
Judge Jay H. Knight				
Commissioner Bruce Karbowski				

Stakeholder Name	Address	City	State	Zip/postal code
Commissioner Greg Arthur				
Commissioner James Reaves				
Commissioner Leon Wilson				
Judge Mark J. Keough				
Commissioner Mike Meador				
Commissioner Charlie Riley				
Commissioner James Noack				
Commissioner James Metts				
Judge Fritz Faulkner				
Commissioner Laddie McAnally				
Commissioner Donny Marrs				
Commissioner David Brandon				
Commissioner Mark Nettuno				
Judge Danny Pierce				
Commissioner Danny Kuykendall				
Commissioner Ronnie White				
Commissioner Bill Daugette				
Commissioner Jimmy Henry				
Judge Carbett "Trey" J. Duhon III				
Commissioner John A. Amsler				
Commissioner Walter E. Smith				
Commissioner Jeron Barnett				
Commissioner Justin Beckendorff				
Congressman Brian Babin				
Congressman Dan Crenshaw				
Congressman Kevin Brady				
Congressman Michael T. McCaul				
Congresswoman Sheila Jackson Lee				
Senator John Cornyn				
Senator Ted Cruz				
Representative Ana Hernandez				
Representative Ben Leman				
Representative Briscoe Cain				
Representative Cecil Bell, Jr.				
Representative Dan Huberty				
Representative Earnest Bailes				
Representative Gina Calanni				
Representative Harold V. Dutton				
Representative Sam Harless				
Representative Steve Toth				
Representative Tom Oliverson				
Representative Valoree Swanson				
Representative Will Metcalf				
Senator Brandon Creighton				

Stakeholder Name	Address	City	State	Zip/postal code
Senator Charles Schwertner				
Senator John Whitmire				
Senator Lois Kolkhorst				
Senator Paul Bettencourt				
Senator Robert Nichols				
Edmund Russo				
David Brown				
Current Resident				

Stakeholder Name	Address	City	State	Zip/postal code
Current Resident				

Stakeholder Name	Address	City	State	Zip/postal code
Current Resident				

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Current Resident				

Stakeholder Name	Address	City	State	Zip/postal code
Current Resident				
Current Pacident				
Current Posident				
Current Resident				

Stakeholder Name	Address	City	State	Zip/postal code
Current Resident				

Stakeholder Name	Address	City	State	Zip/postal code
Current Resident				





San Jacinto Master Drainage Plan August 2020 Virtual Public Meeting

Appendix D Attendee Database

First Name	Last Name	Elected Official?	Mailing Address	City	State Zip	Email Address	Affiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Mark	Adams	No						Email	Email
Susanne	Allen	No						Website	Email
Sparkle	Anderson	No					larris County Flood Control District	Website	Website
Brooke	Bacuetes	No						Other; Website	Email
Dave	Baldwin								Social Media
Antonio	Bandeira	No						Email	Email
Paul	Barker	No						Email	Email
Justin	Bartlett	No						Other	Website
Jason	Becker	No					lalff Associates	Email	Email
Ту	Beggs	No						Email	Website; Email
Gerri	Berens	No						Email	Mail
Alice	Best	No					exas Parks & Wildlife Department	Other; Email; Website	Email
Michael W	Biehle							Email	Email
Alan	Black	No					larris County Flood Control District	Email	
Steve	Borys								Email
Cole	Boudreaux						lalff Associates	Other	Mail
Jill	Boullion	No						Email	Email
James C	Bowen	No						Email; Mailer; Social Media; Website	Email
Christopher	Воу								
Christopher	Boyer	Yes					lice President	Email	Email
Joanne	Bradbury							Email	Email
Dandy	Braud	No						Email	Email
Murrov	Bridgott	INO							Eman
Thomas	Broad	No						Empil	Email
Kathorino	Brown	No						Email	Email
Кв	Brown	NO							
Danie	Burkbardt								
Bose	Burnett	No						Fmail	Email: Website: Mail
Ken	Buxton	No						Email	Email
Christine	Cafero							Website: Social Media	Email
							ield Representative, Representing Congressman Dan		
Kaaren	Cambio	Yes					Crenshaw	Email	Email
Mickey	Canady							Email	Email
Brenda	Cantu	No						Social Media	Social Media
Carolyn	Carothers	No						Email; Other	Email; Mail
Jesus	Castillo	No						Email	Email
Timothy	Clapp	No						Other	Email
Sam	Claytor	Yes					President, Harris County MUD 153	Email	Email
Russell	Clinton	No						Mailer	Mail
James	Cook	No						Email; Website	Website
Kevin	Cooper							Email	Social Media; Email
Brenda	Cooper								Email
Diane	Cooper	No						Email	Email; Social Media; Website
Precinct Coordinator		No					larris County Flood Control District	Website	Email
William	Cordill	No						Email	Email
Roy	Cuellar	No						Social Media	Email
Lee	Danner	No						Email	Email
Carol	Dejean	No						Email	Mail
James	DeMasi	No						Email; Mailer	Email
Rebecca	Dietrich	No						Email; Other	Email
Robert	Dixon	No						Mailer	Website
David	Dreiling	NO							IEmail
Steven	Duetrich	No						Email	IEmail
James	Durnin	No						Website; Email	Email

First Name	Last Name	Elected Official?	Mailing Address	City	State Zip	Email Address	Affiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
William	Dwyer	No						Email; Website	Email
Jennifer	Eckhart	No						Email	Email
Ken	Edgerton	No						Other	Email
Mark	Edwards								
John	Ehrman	No						Mailer; Email	Email
James	Eichhorn	No						Other	Website
Paul	Eschenfelder	No						Website	Email
Nelson	Espitia	No						Website	Website
Tina	Estes								
David	Farrell	No						Mailer	Email
David	Feille	No						Email	Email; Website
Robert	Ficalora	No						Other	
Keith	Field	No						Website	
Lisa Clement	Foley								Email
Maryanne	Fortson	No						Email; Social Media	Email
Natalie	Garrett	No					United States Army Corps of Engineers	Other	
Neil	Gaynor							Email	Email
Ngi		No						Mailer	Email
Audrey	Giesler	No					Halff Associates	Other	Other
Lance	Gilliam								
Chuck	Gilman	No						Other	Email
Bernard	Gordon							Email	Email
John	Graziano	No						Website	Email
Dru Asdrubal	Gutierrez							Email	Email
Ataul	Hannan	No					Harris County Flood Control District	Other	
Ariful	Hannan								
Rudy	Hanselka	No						Email	Email
Jena	Hanson	No					Halff Associates	Website	Website
Eric	Hayes	No						Social Media	Email
Meville	Hedges								
Karen	Heis	No							Social Media
Roy	Henderson	No						Email	Email
RE	Henderson								
Janice	Henslee	No						Social Media	Email
Don	Hickey	No						Email	Email
Arianda	Hicks	No						Email	Email
Dale	Hicks								
Nia	Hicks	No						Other	Email
Elmer	Hinojosa	No						Other; Website	Website
Sam	Hinojosa	No					Halff Associates	Other; Website	Website
Dustin	Hodges	No						Email	Email
Leslie	Hollaway	No					Hollaway	Other	Email; Other
Vanessa	Holt	No						Other	Email
Claude F	Humbert							Email	Email
James	Huw	No						Mailer; Email	Email
Hadco	Internati								
Emanuel	Jackson	No						Email; Other	Email; Mail
Sebnem	Jaji	NO						Website; Email	Website; Email
Snanks	James							Emeil Other	
Peter	Jensen	NO						Email; Other	itmail
laylor	Joanne								
Emily	Johnson	No						Other	
Garrett	Johnston	No						Website	Website
Myron	Jones	1					Harris County Flood Control District		
David M.	Jones							Email	

First Name	Last Name	Elected Official?	Mailing Address	City	State	Zip	Email Address	Affiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Dave	Kinison								Social Media	Email
Gretchen	Knowles	No							Other	
William	Koerner	Yes						President, Kings Forest Community Association	Email; Social Media	Email
Charles	Kridler	No							Email	Email
Dan	Krueger	No							Other	Website
Joe	Kullman	No							Email	Email; Website
Sally	Kullman									
Annie B	Lamott									
Dianne	Lansden	No							Email	Email
Rob	Lazaro	No						Harris County Flood Control District		
Kelly	Leal	No							Email	Email
Frank	Ledwell									Email
Alan	Leonard	No								
Cooper	Little	No							Email	Email
Ryan	Londeen	No						Halff Associates	Email	Website
Lisa	Mairs									
Mary	Malek								Email	Email
Abdmoulaie	Mans									
Paul J	Margaritis								Email	Email
Plains	Marketin									- 1
JO M.	Marlow	Na							Email	Email Email: Casial Madia
Iviaria	Martin	NO							Email; Social Media	Email; Social Media
Becky	Martinez	No						lellaway	Website	Email
	Massey	No						lollaway	Website; Email; Mailer; Social Media	
	McCabe	No						Inited States Army Corns of Engineers		Eman
Lohn	McClollan	NO						officed states Army Corps of Engineers	Email	Empil
	McDonald	No							Eniali Social Media	Email
Brenda	McNeil	No							Email	Email
Byan	McWhorter	No							Social Media	Email
Savannah	Mehrtens	No							Email	Email
Gloria	Miller	No							Website: Email	Email
Jeff	Miller	No							Website	Email
Douglas	Miller	Yes						President HMW SUD	Email	Email: Website
Sharin	Mize								Email	Email
Amar	Mohite								Email	
Bonny	Montanari								Email	Email
Dena	Moon	No							Email	Email
Sherri	Moore	No							Mailer	Email; Mail
Chris J	Morisette								Email	Email
Marley	Morris	No							Email	Website
Michael	Моуа	No						Halff Associates	Website	Website
Stan	Muckenthaler	No							Email	Email
Stephen	Mulliken	No							Email	Email
Thomas	Mumford							Hollaway		
Terry	Munoz	No							Email	Email
Bridgette	Murray	No							Email	Email
Clint N	Nona									
Laura	Norton	No							Social Media; Email	Email; Social Media; Website
Jim	Noser	No							Email	Email; Website
Chris	Nunes	No							Website	Email
Robert & Carol	Ochs	No							Other	Email
1	Osterman									
David	Parkhill	No						Harris County Flood Control District	Email	Email
Molly	Parkhill									

First Name	Last Name	Elected Official?	Mailing Address	City	State Zip	Email Address	Affiliation	How did you learn about this Open House?	Preferred Method for Receiving Project Info
Richard	Payne	No						Mailer	Email; Mail
Pam	Pearson	No						Website	Email
George	Peckham							Email	Email
Katherine	Persson							Other	Email
Larry	Petershagen	No						Email	Email
Mark	Petter							Email	Email
Diana	Philpot							Email	
Chet	Piazza	No						Email	Email
SC	Piazza								
Linda	Pierce	No						Email	Email
John B.	Planchard	Yes					President Montgomery County Drainage District #6	Email	Email
Tim	Pollock							Mailer	Email; Website
John	Powers	No						Email	Email
Dee	Price	No						Email	Email
Philip	Prine	No						Email	Email
							Representing Harris County Precinct 4 Commissioner R.		
Kennedy	Purser	Yes					Jack Cagle	Email	Email
Jane	Quebedeaux	No						Email	
R	Dejean								
Niki	Ragan-Harbison	No					Texas Parks & Wildlife Department	Email	Email
Milton	Rahman	No					·		Other
Regina	Recinos	No						Social Media	Email
Ronnie	Rector	No						Email	Website
Donnie	Reed	No						Email	Email
Bob	Rehak	No						Email	Website: Email: Social Media
Rav	Rhodes	No						Email	Email
Heather	Riddick	No						Email	Email
Margaret	Rittenhouse	No						Email	Email
lim	Robertson	No						Email	Email
Ronnie	Rode	No						Email	Email: Website
Geronimo	Rodrig								
Cassidy	Rodriguez	No						Other	Other: Email
Cassidy	Rodriguez	No						Other	Email
lason	Roesner	No						Other	Email
Colleen	Rose	No						Email	Email
Bernard	Rvan	No						Email	Email
laime	Salinas	No						Email	Email
Stanley	Sarman	No						Email	Email
Rick	Sattler	No						Email	Email
lames	Scheiner	No						Email	Email
Sue	Schmidt	No							Email
Halbert	Scott	No						Social Media	Mail
lennifer	Seale	No						Other	Fmail
lames	Seamans	No						Mailer	Email: Mail
Dave	Seitzinger	No						Email	Email
Gregory	Sevcik	No					Hollaway	Other	
lames	Shanks	No					Halff Associates	Other	Email
Boh	Shullaw	No						Email	Email: Website
Suzanne	Simpson	No						Email	Email
Michelle	Simpson	No						Website	Website
Walter	Simpson	No						Email	Email
Suzanno	Simpson	No						Wabsita	Website
Nancy	Slade	No						Email	Email
Alan I	Smith	No						Wabsita	Email
	Smith	No						Email	
Dave	SIIIIIII	טאון						EIIIdll	
First Name	Last Name	Elected	Mailing Address	City	State Zip	Email Address	Affiliation	How did you learn about this Open	Preferred Method for Receiving
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	Cith	Official?	-	-	-			House?	Project Info
Karen	Smith								
Dustin	Spinks	N							Email Exactly
Dennis	Sprick	NO						Email	
Jonn	Stacy	NO						Other	Email
Lance	Stani	Na						Empile Copiel Mardia	E
	Standerrer	NO							
	Steele	No						Email	Ellidii Website: Emeil
Dhilli	Stophons							Eman	
Pilly	Stevenson	No						Othor: Wabsita	Email
Billy Batricia	Sting	No						Email	Email
Tim	Stine	Vec					President HC NUD 132	Email	Email
Richard	Stoisits	165						Email	Email
Connor	Stokes	No					follaway	Website	Website
Amy	Stone						Harris County Flood Control District	Other	Other
Carolyn	Stone	No						Other	Email
Erank	Stranimier	No						Email	Email
Corv	Stull	No						Other	Email
Michael	Sullivan	No						Email	Email
Garv	Svzek	No						Email	Email
Walter	Taran	No						Email	Email
JoAnne	Taylor	No						Email	Email
Ben	Thompson	No						Other	Email
Anne	Treadwell	-							Email
Mark	Unland	No						Email	Website
Robert	Vanderpool	No						Email	Email
Patrick	Vaughn	No						Other	Email
Pradeepa	Venigalla	No						Email	Website
Adam	Vento	No						Other	Email
Mandy	Villarreal	No						Email	
Larry	Vondrak	No						Email	Email
Andrew	Vree	No						Email	Email
Dwyer	W								
Grace	Warwick	No						Other	
Foster	Webb	No						Email	Email
Robert	Webb	No						Email	Email
Ron	White	No						Mailer	Email
Chanaka	Wijayasinha	No						Email	Email
Gerald	Williams	No						Social Media	Email
Nikita	Willis	No						Mailer	Mail
Sarah	Wolfe						(GB Texas		
Emily	Woodell						(GB Texas		
Matthew	Zeve	No					Harris County Flood Control District	Email	Email
John									Email
Susan							Jnited States Army Corps of Engineers	Website	
Safmarine									





San Jacinto Master Drainage Plan August 2020 Virtual Public Meeting

Appendix E 🛛 Comments

From:	Chen, Jing (Flood Control)
То:	Matt Barrett
Cc:	Chuck Gilman; Briana Gallagher; Walters, Beth (Flood Control); Connor Stokes
Subject:	RE: Flood planning and eminent domain./Aug 13 meeting response.
Date:	Wednesday, August 19, 2020 9:53:35 AM

CAUTION: Email from outside Hollaway

Thanks Matt, copying Connor and Beth here for comment documentation.

From: Matt Barrett <mbarrett@sjra.net>
Sent: Wednesday, August 19, 2020 9:35 AM
To: Chen, Jing (Flood Control) <Jing.Chen@hcfcd.hctx.net>
Cc: Chuck Gilman <cgilman@sjra.net>; Briana Gallagher <bgallagher@sjra.net>
Subject: FW: Flood planning and eminent domain./Aug 13 meeting response.

Jing,

FYI, it looks like this is a comment stemming from the public meeting last week.

Thanks!

Matt Barrett, PE

Division Engineer



From: John G <<u>G253-31@outlook.com</u>>
Sent: Wednesday, August 19, 2020 9:32 AM
To: Matt Barrett <<u>mbarrett@sjra.net</u>>; Darren Hess <<u>Darren.Hess@mctx.org</u>>
Subject: Flood planning and eminent domain./Aug 13 meeting response.

Dear Mr. Barrett and Mr. Hess.

I don't know of many situations in Texas where counties have allowed the use of eminent domain to create parks or greenways as was done on the Spring Creek Greenway <u>https://www.chron.com/neighborhood/humble-news/article/County-continues-to-develop-greenway-project-1572378.php</u> and expanding to the Cypress Creek Greenway. <u>https://agenda.harriscountytx.gov/2019/2019-02-</u>

<u>12ag.pdf</u>

The same is mentioned on the attached links below, for similar plans for Montgomery County. If planning projects are being used to leverage other funding and advance the use of eminent

domain, it's problematic, not only for Montgomery County but for all of Texas.

The red marks they have circle is in part our ranch, in Montgomery County. <u>https://www.houstonchronicle.com/neighborhood/woodlands/news/article/Bottomlands-along-Lake-Creek-eved-for-greenway-6052310.php</u>

When parks and trails are built along rivers and streams dog, horse and human waste gets washed into the water systems and of course hand we pay for bad decisions with our tax dollars. See link below.

https://www.yourconroenews.com/neighborhood/woodlands/news/article/After-flooding-futureunclear-for-Spring-Creek-12204650.php

I appreciate you taking the time to listen.

John Graziano Operations Manager. The Lovin' G Ranch LLC
 From:
 Chan. Log (Excl. Catter)

 Te:
 Mell J. & Blan. J. MPD (Exten. J. Adam - HPV)

 Cc:
 Convert State

 Subject:
 RE: Inspire] # 34453: Rooding in Kingwood due to high water level in Lake Houston has been assigned to you.

 Date:
 Texcelly, August 11, 2002 TeX-SE PM

CAUTION: Email from outside Hollaway

If Jo Ellen and Adam, please copy me and Connor on responses if possible? We'll log them into the SIMDP comments database for project record, also for reference in developing draft standard responses/messaging for partner team review as needed. Thank you' ----Original Message---Frem: Multi, Jo Ellen, HIPW </- Keillen, Meil@houstontx.gov> Sent: Tucody, August 11, 2020 [2:11 PM Tec Chen, Jing (Flood Control) - Jing-Chenigh-fed.eltx.net>: Patino, HAR <- Laura-Patino@houstontx.gov>: Eaton, Adam - HPW <- Adam.Eaton@houstontx.gov> Gew Walees, Biel (Mod Control) - Ellender Walen@hold.eltx.net>: Green, Dena (Flood Control) - Dena Green@hold.eltx.net> Sadject: RE: Inquiry # 334833: Flooding in Kingwood due to high water level in Lake Houaton has been assigned to you. I'll take care of it. [Message Came from Outside the City of Houston Mail System] Thanks Laura. Would you all like to provide a response to the citizens directly? - -----Original Message-----Frem: Pinin, Laura - MYR <-Laura Patinoi@honshoth.gov> Sent: Mondy, Angult (0, 200 10:51 AM Te: Chen, Jing (Flood Centrol) -Jing Chengib-fed Act: net>; Eaton, Adam - HPW <-Adam Eaton@honstort.gov>; Meilt, Jo Ellen - HPW <-JoEllen Meitl@honsto Salject: R2:: hapary # 348633. Flooding in Kingwood due to high water Fevel in Lake Honston has been antigred to you. The City is working with Harris County, Harris County Flood Control District, Coastal Water Authority and TWDB to develop a long-range plan for dredging activities in the Lake Thanks. Laura [Message Came from Outside the City of Houston Mail System] Laura, fyi -----Offinal Menge----Free Gen. Jan. Jer. (Soci Control) Seer: Monday, Jogue 10, 2020 104 5 M Ter. F. L. Adam Enator (Januari, Santor) - Adam. Eator@houstorts.gov?, Clim, Sharon - HPW -sharon.cime@houstorts.gov?; Green, Dena (Flood Control) - Dena Green@hefsd.hcts.meP Cc Conner Skales: cosmori@hlansymer.com? Skales: Chr. Januari 9 14855: Thooling in Kangwood due to high water level in Lake Houston has been assigned to you. Good morning Adam, does the city have a response to the following? *** NEW INQUIRY ASSIGNMENT NOTIFICATION *** The following inquiry has been assigned to you. Project: C17xBF-SJRStudy Contact Name: Foster Webb Contact Title: BSME Texas A&M 1962 Subject: The default for the formation of the formation o Contact Mailing Address: 2714 Rustic Woods Dr Kingwood, TX 77345-1348

Dona L. and T. Foster Webb 2714 Rustic Woods Drive Kingwood, Texas 77345-1348 281-361-2813 E-mail: DLWTFW@aol.com

Via Facsimile Transmission – 832-393-3279

November 17, 2017

Councilman Dave Martin City Hall Annex 900 Bagby, First Floor Houston, TX 77002

Reference: Kingwood Flooding

Dear Councilman Martin:

Your recent comments about the flooding in Kingwood have been very interesting to me. While I realize that the problems with the San Jacinto River drainage system are complicated and involve more than just flooding in Kingwood, my comments in this letter will deal only with flood prevention in Kingwood. Please understand that I do not claim to be a flood control expert, but I do have a basic understanding of hydrology and fluid mechanics.

The <u>primary</u> cause of flooding in Kingwood is water flowing into Lake Houston faster than it is flowing out. This may sound like an over simplification, but trust me it is not. There are a several things that can be done to prevent water from flowing into Lake Houston faster than it flows out. The items mentioned below will cost nothing.

- Start releasing water from Lake Houston and Lake Conroe whenever heavy rain is expected. Channel 13 has five meteorologists on their staff who were predicting heavy rain for seven days before the first drop of water fell because of Harvey. The tainter gates at the Lake Houston dam will release about 20,000 cfs of water. If 20,000 cfs had been released from both Lake Houston and Lake Conroe for five or six days before the rain started, it would certainly have made for a more manageable situation.
- 2. <u>Never, ever release more than 30,000 cfs from Lake Conroe unless the dam is in eminent danger of failure</u>. The 80,000 cfs release from Lake Conroe during Harvey was not only unnecessary, it was stupid and asinine. Whoever authorized that release should have their head examined! The water level of the lake fell from the high-water mark back to the normal level in less than half the time it took for it to rise from normal to the high-water mark. A slower release from

Lake Conroe would have brought the water level down much slower and avoided flooding Kingwood.

3. Your idea of permanently lowering the level of Lake Conroe is a good one.

Now, let's consider another item to prevent flooding in Kingwood that will cost money.

- 1. <u>Be very selective where you dredge. Remember that dredging basically protects</u> <u>the areas upstream from where it occurs</u>. So, if you dredge from say the Hwy 59 bridge downstream to the main body of the lake you will help the area upstream of Hwy 59, but you might just exacerbate the flooding in Kingwood. The <u>first</u> place that you should consider dredging (and straightening the channel) is the river below the Lake Houston dam all the way to the bay. If you look at the pictures taken of the spillway at the Lake Houston dam on days two, three and four of the 80,000 cfs release from Lake Conroe, you will see that the water level at the Lake Houston Dam was almost the same below the dam as it was above it. For the spillway at the Lake Houston dam to effectively get rid of water in Lake Houston, the water level in the lake needs to be at least 20 feet higher than the water level below the spillway. What I am trying to say is that the water level below the Lake Houston dam was so high that water could not get out of Lake Houston fast enough, hence it backed up and flooded Kingwood.
- 2. There is nothing wrong with dredging the San Jacinto river channel all the way from just below the dam at Lake Conroe to (and through) Lake Houston all the way to the bay. Just be sure that you start with the channel below Lake Houston.

If you have any questions about anything in this letter, please call me and I will try to better explain what I am trying to say.

Very truly yours,

Foster Webb, BSME Texas A&M, 1962 US Army, C. E. 1963-65
 From:
 Chen. Tar. (Since Control)

 To:
 Cesses: Then (Flood Control)

 Cc:
 Waters, Bielt Flood Control)

 Select:
 R: Tongly 3 49485 Hotopmery Contry States

 Select:
 R: Tongly 3 49485 Hotopmery Contry States

 Wethersday, Avegut 12, 2020 1231:14 PM

CAUTION: Email from outside Hollaway

Thank you!

Hi Jing - Matt is correct, the TCEQ and Texas Parks and Wildlife Department both regulate mining activities. Those would be the best agencies to reach out to to gather information about sand mining operations Thanks, Dena n=--Original Monage=== Franc Thom, Jang, Card Control) = Jing Chercily Beford Lets. ant> Sent: Monaday, August 10, 2020 5:32 PM To: Green, Dans (Hood Control) = Dana Greenighted hets. net> Cc: Walters, Belti (Hood Control) = Silzabeth Walters(Beford hets. net> Grighter: Win Jinging = 344585. Mentgementy County Sand Mining las been assigned to you. Dena, did you have anything to add on this topic? I can pull together a response to these inquiries after hearing back... Beth, please let me know if you see a different approach to addressing these comments.. Thanks! Matt Barrett, PE Division Engineer n=-Original Monage-see Foren Johanen, H. (de Hohmon@mets.eng? Seen: Monday, Anguei (d. 2020) 10:2 AM Te: Chen, Jang (Hoed Control) - Ging, Chenighefed hers.net?; Darren Hess «Darren Hess@mets.eng?; Matt Barrett «nbarret@sign.net?; Chuck Güman «cgilman@sign.net? Ce: Chen, Jang (Hoed Control) - Genes (Chenighefed hers.net?; Beremd, Gang (Flood Control) «Gang Joseph Hessen) Selegiert: Els: Languei y 145458: Monogeneer Courts Jan Maning Into bere anaigue to you. Hi Jing, I think TCEQ issues sand mining permits, Montgomery County only issues flood plain development permits and we do not distinguish between activities so there is no way of knowing how many are associated with sand mining. Jeff ----Original Message----Frem: Chen, Jing (Flood Centrel) - Ging Chen@hefed.hetx.net> Sen: Messla, Aganet (J. 2020 10:28 AM Sen: Messla, Aganet (J. 2020 10:28 AM Floor, Davies - Oracle Galenas - California - C Hi MoCo and SJRA colleagues, please see below to address/respond if possible. Thanks! The following inquiry has been assigned to you. Project: C17xBF-SJRStudy Contact Name: Stephen Mulliken Inquiry #: 348458 Subject: Montgomery County Sand Mining Description: What ongoing Montgomery Cou Contact Email: stelsher@galo.com Contact Phone: 2813601749 ntry sand mining ongoing operations are being carried out, by whom, how often, fines/issues, amount collected.,

Contact Mailing Address: 15 Greenway View Trl Kingwood, TX 77339

Organization: home owner/flood victim

Click on the link to access the impiiry: https://gc01.asdelinks.potection.outlook.com? url=https%3A%2P%2Fm111.aslesforce.com%2F5003600005Qv1K&.data=02%7C01%7CJmgChen%40beled.hetx.net%7C79b1343c3eb44098be6088d3sed0332%7C049c7bc5116447net7b8710kd2e555%7C0%7C0%7C0%7C637328479124821601&.data=b?ggcTWWpeB1DRu8P%2BEw2PeccaDdkk1IINDiFpwK58%3Dkamp.ret

From:	Chen, Jing (Flood Control)
То:	<u>jhrver@aol.com; Barr, Terry</u>
Cc:	Connor Stokes; Hastings, Karen (Flood Control); Walters, Beth (Flood Control)
Subject:	RE: Questions Regarding the San Jacinto Regional Watershed Master Drainage Plan
Date:	Tuesday, August 11, 2020 11:34:55 AM
Attachments:	SJMDP Public Notice 2020.pdf
Cc: Subject: Date: Attachments:	Connor Stokes; Hastings, Karen (Flood Control); Walters, Beth (Flood Control) RE: Questions Regarding the San Jacinto Regional Watershed Master Drainage Pla Tuesday, August 11, 2020 11:34:55 AM SJMDP Public Notice 2020.pdf

CAUTION: Email from outside Hollaway

Hi Jim, thank you for looping back. We took some time to develop a standard message related to your questions regarding Cypress Creek, please see below. We appreciate the input/question, hope the answer below suffices. Please let me know if you have further questions. We hope you have also received the meeting notice sent out last week. Attached is a copy for your use/distribution.

Why are there no planned projects in the Cypress Creek Watershed?

The San Jac study considered flood reduction improvements across the region that can provide benefits in both the project watershed as well as further downstream. Many of the watersheds have no current planning study in place to address these issues. Cypress Creek already has a number of studies that have been completed as well as several flood reduction projects that are identified. There have been extensive studies at the upper end of the watershed conducted by the Harris County Flood Control District and the US Army Corps of Engineers in relation to the "Third Reservoir". While this project could provide significant benefit to the western portion of Harris County by reducing or eliminating the overflow into the Addicks watershed, it would not provide benefits downstream of the overflow and toward Lake Houston. Other study efforts along Cypress Creek include a recently completed retention study, an active watershed planning study, and others that have documented flooding and recommended both short-term and long-term projects.

The Regional Drainage Plan and Environmental Investigation for Major Tributaries in the Cypress Creek Watershed (K100-00-00) was completed in February 2020. The goal of this work was to identify projects to reduce or eliminate existing flooding risks in the Cypress Creek watershed. As funding allows, individual recommendations from this study will proceed to right-of-way acquisition, environmental investigation, and preliminary engineering. The three projects in this scope of work included:

- An update to the 2003 Texas Water Development Board "Regional Drainage Plan and Environmental Investigation for Major Tributaries in the Cypress Creek Watershed," Bond Project CI-035. This study update identified options to reduce existing flooding risks in the Cypress Creek watershed. During the course of the investigation, the scope of work was expanded to include the investigation of additional potential detention sites along the main stem of Cypress Creek and of flooding issues related to bridge crossings along Cypress Creek.
- An investigation of the potential benefit of expanding Cypress Park Stormwater Detention Basin, HCFCD Unit K500-01-00 (formerly Bond Project CI-36.) This basin is located on North Eldridge Parkway near the confluence of Little Cypress Creek and Cypress Creek.
- An investigation of the potential benefit of possible stormwater detention sites near Cypress Creek and Stuebner Airline Road (formerly Bond Project CI-020.)

In August 2018, Harris County voters approved a \$2.5 billion bond program for flood risk reduction projects. This includes more than \$291 million in projects for the Cypress Creek

watershed, all of which have been initiated and are now in various stages of development. Other efforts in the watershed include the Little Cypress Creek Frontier Program. This is one component of the Harris County Flood Control District's overall Frontier Program, which is an organized effort to plan for regional drainage infrastructure in advance of future land development. The Little Cypress Creek Frontier Program includes multiple projects in the watershed, including nine stormwater detention basins and stormwater conveyance improvements along Little Cypress Creek and its tributaries. The program will be funded under several Bond IDs included in the 2018 HCFCD Bond Program. Given all the ongoing efforts in the Cypress Creek and Little Cypress Creek watersheds to address flooding issues, the study team felt it was important to focus on areas where more planning is needed to work toward reducing flooding in the larger San Jacinto River Watershed.

From: jhrver@aol.com <jhrver@aol.com>
Sent: Monday, August 10, 2020 11:10 PM
To: Barr, Terry <tbarr@halff.com>
Cc: Connor Stokes <connor@hollawayenv.com>; Chen, Jing (Flood Control)
<Jing.Chen@hcfcd.hctx.net>; jhrver@aol.com
Subject: Re: Questions Regarding the San Jacinto Regional Watershed Master Drainage Plan

Terry,

Per Jing's note below, is it possible to please shed any light on the first question in my 7/18/20 e-mail?

Thank you.

Regards,

Jim Robertson

Chairman, Cypress Creek Greenway Project Cypress Creek Flood Control Coalition 281-370-8243

In a message dated 7/22/2020 10:20:17 AM Central Standard Time, Jing.Chen@hcfcd.hctx.net writes:

Hi Jim, thanks for reaching out. I'm copying a couple of folks here to address your question/request.

Terry leads the consultants on the SJMDP effort, he and his team will explain the first question.

Connor works for the firm that organizes and prepares for the outreach activities for the project. He can surely add interested folks' contact info into the stakeholder

database. I just checked - your information is already part of the database, the email listed is correct. The team has yet to send out any meeting notice for the planned August 13th virtual public meeting, we're working to finalize a few things, but it's forthcoming.

Terry, please help answer the first question, would appreciate it!

Thank you,

Jing

From: jhrver@aol.com <jhrver@aol.com> Sent: Saturday, July 18, 2020 1:13 PM To: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>> Cc: jhrver@aol.com Subject: Questions Regarding the San Jacinto Regional Watershed Master Drainage Plan

Dear Jing,

I have two questions about the San Jacinto Regional Watershed Master Drainage Plan.

- Can you please share with me how information from the Cypress Creek watershed is being incorporated into the plan, and what type of information is being included? Our organization, the Cypress Creek Flood Control Coalition, has been working on flood mitigation issues within the Cypress Creek watershed for many years and is interested in what and how the Cypress Creek watershed information is being included and evaluated.
- Can my e-mail address (<u>jhrver@aol.com</u>) be added to the list of those who receive updates, status reports, interim reports, notice of public or stakeholder meetings, and other information about the San Jacinto Regional Watershed Master Drainage Plan?

Thank you.

Regards.

Jim Robertson

Chairman, Cypress Creek Greenway Project

Cypress Creek Flood Control Coalition

281-370-8243

From:	Chen, Jing (Flood Control)
То:	Hess, Darren
Cc:	Johnson, Jeff; Connor Stokes; Barr, Terry
Subject:	RE: SanJac Master Drainage Plan
Date:	Friday, August 14, 2020 10:09:26 AM

CAUTION: Email from outside Hollaway

Thanks Darren, I'm copying Connor on here, so he can include this input into the comment database. Terry may want to work with Connor to draft a response. In general, I'd say that while input is always welcome and can be considered from those that reach out to us during the study period. The regional plan is broad and focuses on H&H analysis of the main stems. The methodology used for future land use needs to be consistent across the region, that's why the team used data from the state and region utility forecasting. There was not enough time to get to the local level.

The team was funded separately by five of the MUDs in/near the Woodlands to conduct a bit more detailed analysis of mitigation options on Spring Creek, that was a valuable additional help for those in that area/watershed.

-----Original Message-----From: Hess, Darren <Darren.Hess@mctx.org> Sent: Friday, August 14, 2020 8:45 AM To: Chen, Jing (Flood Control) <Jing.Chen@hcfcd.hctx.net> Cc: Johnson, Jeff <Jeff.Johnson@mctx.org>; Hess, Darren <Darren.Hess@mctx.org> Subject: FW: SanJac Master Drainage Plan

Jing,

How does this district submit comments to the plan?

d

-----Original Message-----From: John B. Planchard <jplanchard@aol.com> Sent: Thursday, August 13, 2020 7:41 PM To: Hess, Darren <Darren.Hess@mctx.org> Subject: SanJac Master Drainage Plan

Darren,

I have just viewed the virtual presentation on the regional watershed master drainage plan and wish to make a comment. I am currently on the Montgomery County Drainage District #6 Board of Directors. In Checking with the districts engineering firm, I have determined that no one in the study has sought our input. Our district encompasses approximately 2,500 acres and drains into Spring Creek. We wish to help in any way necessary in providing info on our efforts to mitigate flooding but also receive input on how we can fit within the regional plan.

Thanks, John B. Planchard, President Montgomery Drainage District #6

Sent from my iPhone



Hi Adam and Laura, another inquiry about dredging (Laura, I'll forward the other one). Can you all respond to these? Let me know if I need to jump in somewhere. Thanks!

Let the two programmers in two programmers and provide the providet the provide the provide the provide the provide the provide th *** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you.

Project: C17xBF-SJRStudy Contact Name: Earl Hale

Inquiry #: 34854 Subject: Fronting Description: How long will the dredging of the River and lake be going on, and what is the source of the funding ? And who owns the dredging equipment ? Thanks to the many folks who are looking out for our benefit - especially David Martin !!!! Contact Finance 3210 (306076)

Contact Mailing Address: 1806 BALD SPRINGS TRAIL KINGWOOD, TX 77345

Organization: Mr.

From:	Chen, Jing (Flood Control) Right Alan (Flood Control): Groon Dana (Flood Control): Walters Roth (Flood Control): Rozemek, Gary (Flood
10:	<u>Control</u>)
Cc:	Connor Stokes; Leslie Hollaway
Subject:	FW: SanJac Study Public Meeting
Date:	Sunday, August 16, 2020 4:52:47 PM

CAUTION: Email from outside Hollaway

Good reviews ..

-----Original Message-----From: David Seitzinger <dseitzinger@me.com> Sent: Sunday, August 16, 2020 3:37 PM To: Chen, Jing (Flood Control) <Jing.Chen@hcfcd.hctx.net> Subject: SanJac Study Public Meeting

Jing,

I think the study review meeting went well. Materials were well prepared and speakers handled themselves well. Good to see and hear your part. I added some comments during the meeting and a couple more over the past couple days. I am sure it has been tough getting things together with the COVID restrictions.

How all is well with you and your family. Thanks for your efforts to get us to this point. Looking forward to see the draft report or final which ever is available to the public.

Dave Seitzinger

From:	Chen, Jing (Flood Control)
То:	Connor Stokes
Cc:	Barr, Terry; Walters, Beth (Flood Control)
Subject:	Fwd: Missed your calls
Date:	Tuesday, August 4, 2020 5:26:55 PM

Connor, for inclusion into the comment database. Thanks

Begin forwarded message:

From: Jim Stinson <<u>jstinson@woodlandswater.org</u>> Date: August 4, 2020 at 5:17:54 PM CDT To: "Chen, Jing (Flood Control)" <<u>Jing.Chen@hcfcd.hctx.net</u>> Cc: "Barr, Terry" <<u>tbarr@halff.com</u>> Subject: RE: Missed your calls

I sincerely appreciate help from all.....thanks. Jim

From: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>
Sent: Tuesday, August 4, 2020 5:11 PM
To: Jim Stinson <<u>jstinson@woodlandswater.org</u>>
Cc: Barr, Terry <<u>tbarr@halff.com</u>>
Subject: RE: Missed your calls

Got it, thanks Jim. Terry will get with the team and come back with some info soon.

From: Jim Stinson <jstinson@woodlandswater.org>
Sent: Tuesday, August 4, 2020 4:08 PM
To: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>
Subject: FW: Missed your calls

Fyi...thanks Jing.

From: Jim Stinson
Sent: Tuesday, August 4, 2020 11:22 AM
To: Barr, Terry <<u>tBarr@Halff.com</u>>
Subject: RE: Missed your calls

Hello Terry,

I visited with Dr. Emil Jacobs of MUD 386 yesterday regarding the SJRWMDP and the "Project Scoring and Ranking" on page 27 of the Executive Summary.

He informed me that the <u>benefit-to-cost ratio</u> of the several metrics used to develop ranking of the 16 projects was weighted at 10%. I strongly urge the study team to consider increasing the <u>benefit-to-cost ratio</u> weighting to at least 20%. In reviewing the several metrics described in the "Project Scoring and Ranking" paragraph on page 27, it seems very reasonable to me that the <u>benefit-to-cost ratio</u> metric deserves a higher weighting than 10%.

We sincerely appreciate your time and effort on this important community report. Please let me know how we can appeal/change the weighting of the <u>benefit-to-cost ratio</u> metric in the SJRWMDP final report.

Thank you again for your help.

Sincerely,

Jim James M. Stinson, PE General Manager



From: Barr, Terry <<u>tBarr@Halff.com</u>>
Sent: Tuesday, August 4, 2020 9:01 AM
To: Jim Stinson <<u>jstinson@woodlandswater.org</u>>
Subject: Missed your calls

Good Morning Jim,

I am currently on a call and have meetings pretty much all day. Please let me know if there is something I can help you with.

Thanks!

Terry M. Barr, PE, CFM Vice President Director of Water Resources, Houston

O: (713) 588-2451

C: (979) 575-6310

Halff Associates, Inc. 14800 St. Mary's Lane, Suite 160 Houston, TX 77079-2943

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Subject: Inquiry # 348296: Flood protection has been assigned to you. **** NEW INQUIRY ASSIGNMENT NOTIFICATION *** The following inquiry has been assigned to you.

Project: C17xBF-SJRStudy Contact Name: Heather Riddick

Inquiry #: 348296 Subject: Flood protection Description: Would love to be apart of the next Proposal Meeting for Kingwood Contact Email: heatherridd(ck@ool.com Contact Phene: \$22868573

Contact Mailing Address: 3022 Brook Shore Court Kingwood, TX 77345

Organization: Woodstream Village

Click on the link to access the inquiry: https://gcoll.asdelinks.pontection.ord/box.com/? url-https://statiliaales/orc.com/?215003600006TBArkamp.data=02Pxml2xbcElx9mtXh2L69qump4F8Q8BpM%jD&.reserved=0 url-https://statiliaales/orc.com/?215003600006TBArkamp.data=02Pxml2xbcElx9mtXh2L69qump4F8Q8BpM%jD&.reserved=0

Connor, please see latest chain of citizen inputs for the comment database and stakeholder database.

All, I'm not sure if the SJMDP virtual public meeting will give this group the "larger voice" they're seeking. The partners will get a copy of the comment database and decide how they want to address/seek actions, etc. As for the meeting prep, would it make sense to have the SJMDP team sit in on any upcoming Kingwood stakeholder briefing (if they occur prior to the SJMDP public meeting)?

From: John McGrath <itsj.mcgrath@gmail.com>
Sent: Tuesday, July 28, 2020 10:58 AM
To: Terry Robinson <trobinson@moss-seal.com>
Cc: Cambio, Kaaren <Kaaren.Cambio@mail.house.gov>; Chet piazza <cpiazza2@hotmail.com>; Chen, Jing (Flood Control) <Jing.Chen@hcfcd.hctx.net>; mbarrett@sjra.net; darren.hess@mctx.org; Eaton, Adam - HPW <Adam.Eaton@houstontx.gov>; Chris Bloch <chrisbgim@hotmail.com>; heatherriddick@aol.com; thegreenfamily3@hotmail.com; kcrussell92@gmail.com; mrussell@mtrfinancial.com; Donald Robert Brown <rbrown@enerflex.com>; kristi.brown2@yahoo.com; strader1@mac.com; karawilliams1980@gmail.com; juan.cabracruz@memorialhermann.org; Robinson,Ruby <rrobin@mdanderson.org>
Subject: Re: Whiteoak Creek Diversion Channel Presentation

Thanks for the lead Terry and I'm heading there now.

Regards,

John McGrath Kingwood, TX 832 277 0408

On Tue, 28 Jul 2020 at 10:20, Terry Robinson <<u>trobinson@moss-seal.com</u>> wrote:

All,

I received a wonderful phone call from Ms. Kaaren Cambio regarding our issues. Ms. Cambio is pleading for all of us, and everyone in our neighborhood that we can call on, to go to <u>www.sanjacstudy.org</u> and register our complaints. The web site has wonderful information and Ms. Cambio stated that this is the direction that will give us a larger voice.

Please don't hesitate and let's get the word out to everyone.

God Bless,



TERRY ROBINSON

Operations Manager

518 Rankin Circle North, Houston. TX 77073 O 713.699.1344 |F 713.699.1349 |Direct 832.957.3029 |Cell 832-740-0604 E trobinson@moss-seal.com| www.moss-seal.com

ISO 9001-2015

From: Cambio, Kaaren <<u>Kaaren.Cambio@mail.house.gov</u>> Sent: Monday, July 27, 2020 5:31 PM To: Terry Robinson <<u>trobinson@Moss-Seal.com</u>> Subject: RE: Whiteoak Creek Diversion Channel Presentation

[WARNING: This email is from outside the Moss Seal network. Do not click on links or attachments unless you expect them from the sender and know the content is safe.] Thank you for taking my call !

Kaaren Cambio

Field Representative Congressman Dan Crenshaw (TX-02) 713.860.1330 <u>Website Twitter Instagram</u> *Click <u>here</u> to sign up for Congressman Crenshaw's newsletters!*

From: Terry Robinson <<u>trobinson@Moss-Seal.com</u>> Sent: Monday, July 27, 2020 4:06 PM To: John McGrath <<u>itsj.mcgrath@gmail.com</u>>; Chet piazza <<u>cpiazza2@hotmail.com</u>> Cc: jing.chen@hcfcd.hctx.net; mbarrett@sjra.net; darren.hess@mctx.org; adam.eaton@houstontx.gov; Chris Bloch <<u>chrisbgim@hotmail.com</u>>; heatherriddick@aol.com; thegreenfamily3@hotmail.com; kcrussell92@gmail.com; mrussell@mtrfinancial.com; Donald Robert Brown <<u>rbrown@enerflex.com</u>>; kristi.brown2@yahoo.com; strader1@mac.com; karawilliams1980@gmail.com; juan.cabracruz@memorialhermann.org; Cambio, Kaaren <<u>Kaaren.Cambio@mail.house.gov</u>> Subject: RE: Whiteoak Creek Diversion Channel Presentation

Dear all,

I too, would like to express my concerns regarding the flooding in Woodstream Village. We live at 3010 Brook Shore Court, Kingwood, Texas 77345. My wife and I have worked our

entire lives to achieve the opportunity to live in what we considered, "our dream home." We bought our home immediately after Hurricane Harvey with the understanding and hearing it from the top local government, that Harvey was a "freak" of nature and "couldn't possibly reoccur", since it was a "500 year storm". Unfortunately, we were the victims of Tropical Storm Imelda incurring approximately \$85,000.00 in damages to the 1st floor of our home.

Have you ever had the displeasure of holding your breath ever time it rains above a normal rain shower? Please understand that I'm by no means exaggerating, when I tell you that it is exactly what we do in fear that we'll flood again. Have you ever walked the gully behind our homes? There is so much debris from Harvey, that the gully literally dams up in many spots. How is the gully suppose to flow or drain properly?

I realize there are many variables contributing to the continuous flooding we experience in our neighborhood. However, we trust our local government and want to believe that you will do all you can to help mitigate this blaring issue. The state and federal government pumped monies into our county to help resolve the issues. Where is that money? What have you done for our community to help?

Please understand, we aren't whining because we feel like no one is listening to our issues. We are merely asking that you place our shoes on your feet and help resolve the issues that have us holding our breath and praying that we don't have to face another devastating flood when we know there are solutions to the problems. Please help us. We want to retire here and we love the community. We're merely asking, pleading, for your help.

God Bless,



TERRY ROBINSON

Operations Manager

518 Rankin Circle North, Houston. TX 77073 O 713.699.1344 |F 713.699.1349 |Direct 832.957.3029 |Cell 832-740-0604 E trobinson@moss-seal.com| www.moss-seal.com

<u>ISO 9001-2015</u>

From: John McGrath <<u>itsj.mcgrath@gmail.com</u>> Sent: Monday, July 27, 2020 1:47 PM To: Chet piazza <<u>cpiazza2@hotmail.com</u>> Cc: jing.chen@hcfcd.hctx.net; mbarrett@sjra.net; darren.hess@mctx.org; adam.eaton@houstontx.gov; Chris Bloch <<u>chrisbgim@hotmail.com</u>>; heatherriddick@aol.com; thegreenfamily3@hotmail.com; kcrussell92@gmail.com; mrussell@mtrfinancial.com; Terry Robinson <<u>trobinson@Moss-Seal.com</u>>; Donald Robert Brown <<u>rbrown@enerflex.com</u>>; kristi.brown2@yahoo.com; strader1@mac.com; karawilliams1980@gmail.com; juan.cabra-cruz@memorialhermann.org; Kaaren.cambio@mail.house.gov Subject: Re: Whiteoak Creek Diversion Channel Presentation [WARNING: This email is from outside the Moss Seal network. Do not click on links or attachments unless you expect them from the sender and know the content is safe.] Dear All,

I would like to echo the words of my neighbour, Chet Pizza, and I am also very concerned about the lack of apparent action and concern on behalf of the city with respect to the repeated flooding incidents in the Woodstream subdivision. This is on top of several near misses where the water level has come up sharply after heavy rain, but fortunately subsided again.

I live at 3015 Brook Shore Court in Kingwood with my wife and 2 kids and we were flooded in Harvey and Imelda, and every time there is a heavy rain we all get a knot in the pits of our stomachs and can't sleep until the rain has subsided. At the moment we can't even plan vacation during the hurricane season in case there is a very heavy rainfall (not just a hurricane) which causes a flood and we are not home to salvage what we can. House prices have dropped by over 20% and it has cost most of us so much to repair our homes that it's not realistic to leave even if we wanted to. We have a great subdivision and great neighbors that we don't want to leave, but in order to have a day to day life free from worry of flooding we need the help of the authorities.

It is clear from the work that Mr Bloch has done that was forwarded in Mr Piazza's mail that this excessive flooding is partly due to the Royal Brook/Perry Homes development which the city approved and also the inadequacy and condition of the current drainage systems we have. All of this is fixable and in a realistically short time frame so I would beg you to allocate the funds that are needed to rectify this so that we can recover from teh 2 flooding events that we have had without having to worry unduly about further preventable floods, and it is clear that this will happen again and with increasing frequency until something significant is done.

I am happy to provide any further information that you may require and I look forward to hearing in the near future how these issues will be addressed.

Regards,

John McGrath 3015 Brook Shore Court Kingwood, TX 832 277 0408

On Mon, 27 Jul 2020 at 12:41, Chet piazza <<u>cpiazza2@hotmail.com</u>> wrote:

To All,

Good day to you. My name is Chet Piazza and I live at 3019 Brook Shore Ct in the Woodstream Subdivision of Kingwood. My home flooded during Hurricane Harvey & Imelda. Since then I have become very concerned at the rate in which the water rises in our area. After several months of research with Mr. Chris Bloch it has been determined that our water shed is being completely overwhelmed by the Royal Brook/Perry Homes subdivision. It is with this in mind that we formally submit the Whiteoak Creek

Diversion Channel Presentation for your consideration. This is a highly effective solution to divert the water volume coming from White Oak creek directly to Caney Creek completely bypassing the Woodstream area. Should you have any questions in the matter please feel free to contact me at tel# 281-794-9294. We look forward to hearing form you.

Thank you Chet Piazza 3019 Brook Shore Ctd Kingwood Tx 77345

From:	Chen, Jing (Flood Control)
То:	Bezemek, Gary (Flood Control); Walters, Beth (Flood Control); Connor Stokes; Leslie Hollaway; Conlan, William
Subject:	FW: Whiteoak Creek Diversion Channel Presentation
Date:	Monday, July 27, 2020 2:55:15 PM

All, I'm getting a sense that these Kingwood citizens are sending their comments more related to the Kingwood Area Drainage Analysis to the SJMDP partners, inadvertently. Does anyone know what triggered this influx of comments related to Kingwood (to the SJMDP team) and any thoughts about how to address/respond to them?

From: Donald Brown <rbrown@enerflex.com>
Sent: Monday, July 27, 2020 2:38 PM
To: John McGrath <itsj.mcgrath@gmail.com>; Chet piazza <cpiazza2@hotmail.com>
Cc: Chen, Jing (Flood Control) <Jing.Chen@hcfcd.hctx.net>; mbarrett@sjra.net;
darren.hess@mctx.org; Eaton, Adam - HPW <Adam.Eaton@houstontx.gov>; Chris Bloch
<chrisbgim@hotmail.com>; heatherriddick@aol.com; thegreenfamily3@hotmail.com;
kcrussell92@gmail.com; mrussell@mtrfinancial.com; trobinson@moss-seal.com;
kristi.brown2@yahoo.com; strader1@mac.com; karawilliams1980@gmail.com; juan.cabra-cruz@memorialhermann.org; Kaaren.cambio@mail.house.gov
Subject: RE: Whiteoak Creek Diversion Channel Presentation

My name is Donald Brown and I live at 3014 Brook Shore Ct in the Woodstream subdivision and have been since 1998. There had never been a flood on our street until Harvey which coincided with Royal Brook post construction. Now in the past couple of years we have had two floods, not a coincidence since these floods have happened after the construction and apparent lack of planning/execution of water run off towards Woodstream. I understand there is a series of relatively straightforward fixes that can be done if the funding is kept in the bucket and used to direct the run off appropriately.

This has had a negative effect on property values which equates to lower tax revenue that affects the ability of the county to assist other flood prone areas. My family and I are available to be contacted at 713-885-4059 for any discussions on this matter.

From: John McGrath <<u>itsj.mcgrath@gmail.com</u>>

Sent: Monday, July 27, 2020 1:47 PM

To: Chet piazza <<u>cpiazza2@hotmail.com</u>>

Cc: jing.chen@hcfcd.hctx.net; mbarrett@sjra.net; darren.hess@mctx.org;

adam.eaton@houstontx.gov; Chris Bloch < chrisbgim@hotmail.com>; heatherriddick@aol.com; thegreenfamily3@hotmail.com; kcrussell92@gmail.com; mrussell@mtrfinancial.com;

trobinson@moss-seal.com; Donald Brown <rbrown@enerflex.com>; kristi.brown2@yahoo.com; strader1@mac.com; karawilliams1980@gmail.com; juan.cabra-cruz@memorialhermann.org;

Kaaren.cambio@mail.house.gov

Subject: [EXTERNAL] Re: Whiteoak Creek Diversion Channel Presentation

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and have verified the content is safe.

Dear All,

I would like to echo the words of my neighbour, Chet Pizza, and I am also very concerned about the lack of apparent action and concern on behalf of the city with respect to the repeated flooding incidents in the Woodstream subdivision. This is on top of several near misses where the water level has come up sharply after heavy rain, but fortunately subsided again.

I live at 3015 Brook Shore Court in Kingwood with my wife and 2 kids and we were flooded in Harvey and Imelda, and every time there is a heavy rain we all get a knot in the pits of our stomachs and can't sleep until the rain has subsided. At the moment we can't even plan vacation during the hurricane season in case there is a very heavy rainfall (not just a hurricane) which causes a flood and we are not home to salvage what we can. House prices have dropped by over 20% and it has cost most of us so much to repair our homes that it's not realistic to leave even if we wanted to. We have a great subdivision and great neighbors that we don't want to leave, but in order to have a day to day life free from worry of flooding we need the help of the authorities.

It is clear from the work that Mr Bloch has done that was forwarded in Mr Piazza's mail that this excessive flooding is partly due to the Royal Brook/Perry Homes development which the city approved and also the inadequacy and condition of the current drainage systems we have. All of this is fixable and in a realistically short time frame so I would beg you to allocate the funds that are needed to rectify this so that we can recover from teh 2 flooding events that we have had without having to worry unduly about further preventable floods, and it is clear that this will happen again and with increasing frequency until something significant is done.

I am happy to provide any further information that you may require and I look forward to hearing in the near future how these issues will be addressed.

Regards,

John McGrath 3015 Brook Shore Court Kingwood, TX 832 277 0408

On Mon, 27 Jul 2020 at 12:41, Chet piazza <<u>cpiazza2@hotmail.com</u>> wrote:

To All,

Good day to you. My name is Chet Piazza and I live at 3019 Brook Shore Ct in the Woodstream Subdivision of Kingwood. My home flooded during Hurricane Harvey &

Imelda. Since then I have become very concerned at the rate in which the water rises in our area. After several months of research with Mr. Chris Bloch it has been determined that our water shed is being completely overwhelmed by the Royal Brook/Perry Homes subdivision. It is with this in mind that we formally submit the Whiteoak Creek Diversion Channel Presentation for your consideration. This is a highly effective solution to divert the water volume coming from White Oak creek directly to Caney Creek completely bypassing the Woodstream area. Should you have any questions in the matter please feel free to contact me at tel#

281-794-9294. We look forward to hearing form you.

Thank you Chet Piazza 3019 Brook Shore Ctd Kingwood Tx 77345

This message and any attachments are for the sole use of the intended recipient(s) and may contain information that is privileged, confidential or otherwise protected from disclosure. Any unauthorized review, use, distribution or disclosure by others is strictly prohibited. If you have received this message in error, please notify the sender immediately and permanently delete and/or destroy all versions of this message and any attachments.

CAUTION: Email from outside Hollaway

Pls log...

Begin forwarded message:

From: Donna Raye Parr <<u>drayeparr@charter.net</u>> Date: August 24, 2020 at 8:35:45 AM CDT To: Donna Parr <<u>drayeparr@charter.net</u>> Cc: San Jacinto River Authority <<u>mcorley@sjra.net</u>>, cojudge@mctx.org, "Besong, Evan" <<u>Evan.Besong@mctx.org</u>>, jing.chen@hcfcd.hctx.net, adam.eaton@houstontx.gov, Barbara.Smith@mctx.org, info@gregabbott.com, A Frank DeLuke <<u>fdeluke@pdq.net</u>> Subject: DO NOT FLOOD MY HOME AGAIN

Greg Abbott's disaster proclamation DOES NOT include MONTGOMERY COUNTY. DO NOT FLOOD MY HOME AGAIN https://gov.texas.gov/uploads/files/press/DISASTER_Marco_and_Laura_disaster_proclamation_IMAGE_08-23-2020.pdf

Donna Parr 29003 S Plum Creek Drive Spring TX 77386

On Aug 22, 2020, at 12:49 AM, Donna Raye Parr <<u>drayeparr@charter.net</u>> wrote:

I have asked you repeatedly not to flood my home, my neighborhood. I have restored it, after you flooded it, three times, more than three feet deep in water and sewer, each time. This year, the new Rayford Road highway literally dumps its runoff directly into my neighborhood.

I am physically unable to restore my home again.

Donna Parr 29003 S Plum Creek Drive Spring, TX 77386



Hi team, what is our game plan for addressing these comments and questions?

I don't mind responding to some of them directly prior to the meeting and copy you all. I don't know if I'll get through all of them, and will generally try to avoid too much back and forths - will direct them to see the materials on meeting date when I can.. if you have something else in mind or suggestions or other means of responding, please I et me know!

The following inquiry has been assigned to you. Project: C17xBF-SJRStudy Contact Name: Gary Wells

Inquiry #: 348340 Subject: Upstrum preventive mitigation Doctrifutes: What is bring done to add doctoge capacity, reduce ranoff rates and reduce development along the upper portions of the watershed? Contact Tamat: genelizing-sectoc.com Contact Prime: R52042191

Contact Mailing Address: 4414 Bellington Ct Kingwood, TX 77345

Click on the link to access the inquiry: https://gc0l.asdfinks.protection.cutlook.com? urb-https://six/12/92/https://asdfinks.protection.cutlook.com? urb-https://six/12/92/https://asdfinks.protection.cutlook.com?

From: To: Cc: Subject: Date: Stone, Amy (Flood Canves, RE: Sedmentation Friday, July 24, 2020 10:54-43 AM the main article and sc erry or others may wee I read th future w From: Walters, Bieh (Flood Control) «Elizabeth Walters@Holdshttx.net> Sent: Thurday, July 23, 2020 9:12 PM Te Barr, Terry (Flood Control) «Franz Margifeldd.htx.net»; Chen, Jing (Flood Control) «Jona Green@Holds.htx.net»; Leslie Holla Ce Sone, Amy (Flood Control) «Am Stone@Holds.htx.net»; Green, Dena (Flood Control) «Jona Green@Holds.htx.net»; Leslie Holla Subject: Wis Safementation away (leslie@hollawayenv.com) <leslie@hollawayenv.com>; Connor Stokes <connor@hollawayenv.com> emek, Gary (Flood Control) <Gary.Bezemek@hcfcd.hctx.net>; Sherman, William (Flood Control) <William.Sher an@hcfcd.hctx.net> Please see the email from Bob. I thanked him for sending and let him know I re directly, such as any current or potential projects (by us or others) that might address this issue/benefit from this information he provided ed it along. Is there a res se we can put tog Please advise. Thank you in advance, Beth From: Robert Rehak <<u>brehak@mac.com</u>> Sent: Thursday, July 23, 2020 8:01 PM To: Walters, Beth (Flood Control) <<u>Elizabeth V</u> Subject: Sedimentation @hcfcd.hctx Beth, Forward to your consultants if you wish. A sampling of shots taken months apart. The "white water" incident made Fox News. TCEQ later determined the LMI Moorhead mine illegally discharged 56 million gallons of white goop into the West Fork with a level of dissolved solids that was 25 times higher than the background level. https://reduceflooding.com/2019/11/201ece.cites-and-mine-for-alleeddly-discharging-formillion-analons-of-white-collution-into-west-fork/ I recently compiled 70 photos of similar breaches.

ent SIMDP scope, and does not really fit into disc

Man made pollution, in my humble opinion, is one reason for the excess sediment we have.

Robert Rehak brehak@rehak.com ReduceFlooding.com 832 724 3939





From:	Chen, Jing (Flood Control)
То:	Connor Stokes; Walters, Beth (Flood Control)
Subject:	Fwd: Lake Conroe Draw Down during Harvey
Date:	Tuesday, August 25, 2020 8:43:41 AM
Attachments:	ATT00001.htm
	The dam differences.pdf
	ATT00002.htm

CAUTION: Email from outside Hollaway

See attachments

Begin forwarded message:

From: "Judy Clinton" <<u>beaches@flash.net</u>> To: "Chen, Jing (Flood Control)" <<u>Jing.Chen@hcfcd.hctx.net</u>>, "<u>mbarrett@sjra.net</u>" <<u>mbarrett@sjra.net</u>>, "Eaton, Adam - HPW" <<u>Adam.Eaton@houstontx.gov</u>>, "<u>darren.hess@mctx.org</u>" <<u>darren.hess@mctx.org</u>> Subject: Lake Conroe Draw Down during Harvey

Sirs:

Attached are copies of the Papers I generated over two years ago on the Lake Houston Flooding due to Harvey. One on the impact of the Lake Conroe drawdown while Lake Houston and its tributaries were cresting and the restrictions caused by numerous causeway/bridge system. And an additional paper with information on the Dams as there was much misinformation with comments on possible spillway modifications to the Lake Houston Dam as an alternative to floodgates.

I am well aware Lake Conroe was nor intended as a flood control impoundment, nerveless it was used in that capacity (in reverse) during Harvey, impounding 5 feet of water, then releasing it as the downstream tributaries and Lake Houston were cresting (see timelines in the attached).

I have been distributing the attachments to local political and Interested parties for two years and fail to understand why the SJRA has no adopted a policy to Hold Lake Conroe at flood stage until the downstream bodies have crested.

I forwarded the attachment to your web site a few weeks ago (with a reply I would be contacted) and left questions on both the telephone and conference lines for the virtual conference held on the 13th. I can't describe how disappointed this was not addressed epically since your proposed multi million dollar impoundments were projected to alleviate only 0.9 ft of flooding on Lake Houston in a "Harvey" like event.

If there is an error in my logic I would appreciate being corrected. If not, I feel the Media may be the only way this issue will be addressed (I'm working on a PP presentation).

Feel free to use the attachments as you see fit. If required, hopefully an order that the SJRA holds Lake Conroe at flood stage until Lake Houston Crests and is receding will be part of the Judgments from pending litigation (I have been told this may be the reason the issue is being ignored).

I am not a Hydrologist but was declared an Expert on Coastal Erosion* in a Daubert hearing in the Severance case against the State "Open Beaches Act" hat went all the way to the Texas Supreme Court (and we won)

* Focusing on Anthropogenic Erosion including the affects of rivers and dams and live on Lake Houston in Kingwood and lived just south of the FM1960 bridge in Atascocita during the 94 flood.

Regards

Russ Clinton 281 360 7795

p.s. if you need "Word" copies for editing purposes I can provide them





Bayou Land Conservancy 10330 Lake Road, Bldg J Houston, Texas 77070

August 28, 2020

RE: San Jacinto Regional Watershed Master Drainage Plan

San Jacinto Study Team:

Bayou Land Conservancy (BLC) is a non-profit, accredited land trust, working to preserve land along streams for flood control, clean water, and wildlife. We have conserved over 14,000 acres since 1996.

BLC is pleased to learn that a study team of Harris County Flood Control District, San Jacinto River Authority, and Montgomery County was formed, and received funding to evaluate the current conditions in the San Jacinto river basin and develop a plan to address the flood related needs of the region. BLC's work is focused in the watersheds that feed into Lake Houston, which mirrors the study area for the San Jacinto Regional Watershed Master Drainage Plan (San Jac Study).

BLC participated in the August 13, 2020 virtual public meeting and we respectfully submit the following comments:

Impacts to Conserved Lands

BLC protects land within the San Jac Study area primarily through land ownership and conservation easements. Conservation easements are voluntary legal agreements with landowners to preserve the land and prevent development. Of greatest importance to BLC is the impact that the San Jac Study and its proposed solutions could have on conserved lands. These lands provide valuable ecosystem services, including maintaining water quality and quantity and flood protection.

In addition to ecosystem services, many of BLC's conservation easements were initiated to provide wetlands mitigation for Clean Water Act permitting. As mitigation sites, these lands are providing an additional service. If these mitigation lands are impacted with a proposed channelization project, they would require additional federal permitting and mitigation costs.

These conserved lands also provide important community spaces that are safe and open to all at no cost. BLC is extremely concerned about two proposed project locations: Spring I-45 Channelization and Spring Woodlands Channelization. These projects appear to be located in areas with conservation easements that serve as both wetlands mitigation sites and public outdoor recreation spaces. Both projects appear to be along Spring Creek where the Spring Creek Greenway is located.

The Spring Creek Greenway is a multi-decade project beginning in 1979 with land purchases for public use that continues today with creation of the largest, continuous forested urban trail in the United States. The Spring Creek Greenway is championed by both Harris and Montgomery counties, of which

Spring Creek is the liquid boundary. This greenway connects and protects approximately 7,000 acres of forest along Spring Creek, preserving this ecological gem as a mecca for ecotourism, education, and outdoor recreation just north of Houston. Both Spring Creek Channelization projects appear to threaten this vital community asset.

The San Jac Study's Spring Woodlands Channelization project appears to be along both the Spring Creek Greenway and BLC's Spring Creek Nature Trail. The Spring Creek Nature Trail is a 14-mile unpaved, earthen, trail that complements the greenway. It is a keystone project for BLC that highlights our natural ecology and provides quiet solace in one of the largest cities in America. This trail was constructed with the aid of numerous funding sources including charitable endowments, foundations, grants, corporate and member donations. It's construction and maintenance required partnerships with Harris County, Montgomery County, The Woodlands Township, and the Howard Hughes Corporation. This trail was built for the community, by the community. BLC volunteers contributed over 2,500 hours to the construction of this trail. After its completion, additional volunteers have dedicated their time, energy, and donations to upkeep of the trail. Since trail construction, there have been over 3,000 volunteer hours spent on improvements and maintenance. The community is invested in this natural recreation space.

The importance and popularity of both the Spring Creek Greenway and the Spring Creek Nature Trail has surged in the past year. The COVID-19 pandemic has brought home the value of protected green spaces for the physical, mental, emotional, and spiritual needs of our community. Across our region, parks and trails saw an unprecedented amount of use during the spring of 2020 as people sought out places to exercise and support their health, the Spring Creek Greenway and the Spring Creek Nature Trail were no exception. BLC has an app-based eco-tour of the Spring Creek Nature Trail and its usage increased 700% from first quarter to second quarter of 2020. These are spaces that our community relies upon for their wellbeing.

BLC strongly encourages the San Jac Study team to avoid impacting conserved lands. BLC can share location data for these areas.

Erosion

The level of data collection and analysis regarding erosion appeared to be high-level and lacking detailed study. Erosion and downstream sedimentation are known issues in many watersheds throughout the study area. BLC is concerned that projects along Spring Creek and the West Fork of San Jacinto River, in particular, didn't adequately consider erosion. Detention and channelization projects within an area prone to erosion risks destabilization of the entire system.

BLC strongly suggests additional studies of erosion and sedimentation in the study area, with an analysis of the project impacts over the next 50 years.

Green Infrastructure

From the presentation, it appears that no natural or green infrastructure projects were considered in the San Jac Study. Green infrastructure is a cost-effective, resilient approach to managing flood impacts that provides many community benefits. Green infrastructure reduces floodwater and treats it at its source while delivering environmental, social, and economic benefits. Many state and federal funding sources, including the Federal Emergency Management Agency (FEMA) Building Resilient Infrastructure and Communities program, FEMA Hazard Mitigation Assistance, Texas Water Development Board's Flood Infrastructure Funding and Clean Water State Revolving Fund, and the Housing and Urban Development's Community Development Block Grant are encouraging green infrastructure projects for the ecological and financial benefits they provide. Green infrastructure projects are encouraged with application scoring incentives and loan-forgiveness incentives.

The proposed detention basins and dams appear to be large-scale and would require permanent destruction of large areas of mature riparian habitats. Detention basins are not a replacement for mature riparian forests.

While some environmental impacts are mitigated through the Clean Water Act and National Environmental Protection Agency (NEPA) environmental assessments, that mitigation is limited and does not address all impacted vegetation and wildlife. Incorporation of land preservation and green infrastructure may reduce some of these impacts.

BLC strongly suggests the Study Team integrate land preservation and green infrastructure into the proposed recommendations.

BLC would like to be considered for the Vision Groups that are being formed. We have been recognized by the Texas State Legislature and Texas Water Development Board as leaders in local land conservation. We have an unrivaled depth of knowledge of the land and the people within the San Jacinto watershed.

BLC understands that a study of the watershed requires numerous considerations, large amounts of data, and due to flooding's impacts on so many local lives, a lot of emotional weight. BLC appreciates the efforts of the Study Team and welcomes additional dialogue. Please contact me at <u>bmartinez@bayouland.org</u> or 281-576-1634 if you have any questions.

Sincerely,

Becky Martinez

Becky Martinez Conservation Director Bayou Land Conservancy
From: To: Subject: Date: Attachme Chem. Jing (Flood Institut) Common Stakes: Bachel Massay PW: Troquy's 349651: San Dac Study Public Comments has been assigned to you. Priday, September 11, 2003 324:10 PM ELC Comment: Letter 2020-06:78.dof

CAUTION: Email from outside Hollaway

Please add and find a way to incorporate the letter content

*** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you. Project: C17xBF-SJRStudy Contact Name: Becky Martinez Contact Title: Conservation Director

Inquiry #: 348651 Subject: San Jac Study Public Comments Description: IRC control public and the August 13, 2020 virtual public meeting and respectfully submit the attached comments. Contact Finanz: Study 901425 Address 2: Bldg J

Contact Mailing Address: 10330 Lake Rd Houston, TX 77070

Address 2: Bldg J

Organization: Bayou Land Conservancy

Click on the link to access the inquiry: https://gc01.safelinks.potection.outlook.com? url=https://sA%2P%2Fn111.sales/orce.com%2F500360000075Dkkamp.shat=_0pcdLbOSterWpyCHj2ra1m3H92n%2B2R1pPyK9XrUK8%3Dkamp.srservet=0

Please add to comments list

From: newt3941@att.net <newt3941@att.net>
Sent: Tuesday, September 1, 2020 10:46 AM
To: 'Becky Martinez' <bmartinez@bayouland.org>; Chen, Jing (Flood Control)
<Jing.Chen@hcfcd.hctx.net>; mbarrett@sjra.net; darren.hess@mctx.org; Eaton, Adam - HPW
<Adam.Eaton@houstontx.gov>
Cc: 'Jill Boullion' <jboullion@bayouland.org>
Subject: RE: San Jacinto Drainage Master Plan Study: Comments

Just a fabulous letter, Becky !!

Wonderfully phrased and laid out. Excellent journalism !

Keep me posted, please.

BLC can make a significant contribution here as it is a boots-on-the-ground organization with in-house and support expertise.

Go get 'em,

Geoff

From: Becky Martinez <<u>bmartinez@bayouland.org</u>>
Sent: Friday, August 28, 2020 3:38 PM
To: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>; mbarrett@sjra.net;
darren.hess@mctx.org; adam.eaton@houstontx.gov
Cc: Jill Boullion <jboullion@bayouland.org>
Subject: San Jacinto Drainage Master Plan Study: Comments

Dear San Jac Study Team,

BLC participated in the August 13, 2020 virtual public meeting. We submitted comments through the online portal and have attached them to this email.

Please reach out if you have any questions.

Thank you -BeckyBecky Martinez Conservation Director Bayou Land Conservancy Office: 281-576-1634 Mobile: 281-989-1825

www.bayoulandconservancy.org



*** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you. Project: C17xBF-SJRStudy Contact Name: John McGrath Contact Title: MR

Inquiry #: 34826 Saliyet: Woodstream Fooding Description: Taves juic come across this website and thank you for the resource. Thive in 103 Brock Shore Court, Kingwood and along whit our neighbours and friends in Woodstream we were flooded in both Harvey and Incida. We are trying to ensure that the area around Taylor Gally is cleared and upgraded to ensure that it can handle the increased water flow from these storms and the off ran from the Royal Brock/Perry Hence development to our immediate North.

Please let me know how we can assist with this initiative and what can be done to raise the profile of the work that needs to be done. Constart finanzi: trig mcgraft@gmail.com Constart Plones: T&2770408

Contact Mailing Address: 3015 Brook Shore Court Kingwood, TX 77345

Organization: Guardian

Click on the link to access the inquiry: https://gcoll.usfelinks.protection.outlook.com? url=https:%3A%2P%2Fn111.uslesforce.com%2F5003b00000TXAdkumpsdata=02%7C01%7Cling.Chert%40hcfed.hetx.net%7C11caaes621a441e630108883310e047%7C0b9c79c581b4477cc78a70ddJe5555%7C0%7C0%7C0%7C837315494859902558&cmpsdata=1BVaA5JMSejvTV%2FEghtGHPDJXgp06rifsmOReQVgPc0%3D&cmpsreerved=0



*** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you.

Project: C17xBF-SJRStudy Contact Name: Heather Riddick

Inquiry #: 348327 Salojet: Flood protection in Woodstream Description: I wood like to express any concerns about Taylor Gully, new development & our storm drain issues. Description: I wood like to express any exclopment not does in have the proper path to White Oak(which I live at the caldesse that these 2 meet) Taylor Gully can't hold all the extra new development on does in have the proper path to White Oak(which I live at the caldesse that these 2 meet) Taylor Gully can't hold all the extra new development on does in have the proper path to White Oak (Veck. New Development on Hueni Street is going to cause more down stream flooding for us. The elevation there to here on Brook Shore Court is a 13 ft elevation difference. We need a proper diversion for their water.

Contact Mailing Address: 3022 Brook Shore Court Kingwood, TX 77345

Organization: Keep Woodstream from Flooding



----Original Monage-----These Theory Astronomy Astrono *** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you. Project: C17xBF-SJRStudy Contact Name: Pamela Jones Contact Title: Home Owner

Inquiry #: 348508 Subject: Flow? Description: I work of the constant about the fact the it is a known fact that 1 tree can and will consume as much as 250 gallons PER DAY so where will all of the drain off water go now that most every single tree is cut down to make way for the new 99 Ganad Parkway going through FM 1485? Why is 50 much development messary when the land is being undered to accommodate messary while above going are regard for families that have level in their homes for over 20¹ years and are now being flooded every time we have a hard minit? It is not right?!!!

Address 2: Fir Ridge Dr. Contact Mailing Address: 206 Fir Ridge Dr Huffman, TX 77336

Address 2: Fir Ridge Dr.

Click on the link to access the inquiry: https://gcoll.safelinka.protection.outlook.com? url=httpsfi3A922Pi2Fma111.aalesforce.com%2f5003bf00000582T0Kamp.data=02%/C01%7C01%7Cb13454483048872ad008483667a1%7C0049c79c58154477acf78d704d2e555c%7C0%7C0%7C0%7C0%7C0%7C05722908945304201&aump.sdata=cBtaYPEL72LV20PScT0X2PdXyo6GQyU%2FQN32KU0E%3Dkamp.reserved=0



*** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you.

Project: C17xBF-SJRStudy Contact Name: Foster Webb

Inquiry #: 348317 Subject. August 13 presentation Description: ValueBall and plfy presentation Description: ValueBall D

Contact Mailing Address: 2714 Rustic Woods Dr Kingwood, TX 77345-1348

Click on fink la scess des ingersys https://gocoll.actifiaks.protection.com/bk.wom?

Dona L. and T. Foster Webb 2714 Rustic Woods Drive Kingwood, Texas 77345-1348 281-361-2813 E-mail: DLWTFW@aol.com

Via Facsimile Transmission – 832-393-3279

November 17, 2017

Councilman Dave Martin City Hall Annex 900 Bagby, First Floor Houston, TX 77002

Reference: Kingwood Flooding

Dear Councilman Martin:

Your recent comments about the flooding in Kingwood have been very interesting to me. While I realize that the problems with the San Jacinto River drainage system are complicated and involve more than just flooding in Kingwood, my comments in this letter will deal only with flood prevention in Kingwood. Please understand that I do not claim to be a flood control expert, but I do have a basic understanding of hydrology and fluid mechanics.

The <u>primary</u> cause of flooding in Kingwood is water flowing into Lake Houston faster than it is flowing out. This may sound like an over simplification, but trust me it is not. There are a several things that can be done to prevent water from flowing into Lake Houston faster than it flows out. The items mentioned below will cost nothing.

- Start releasing water from Lake Houston and Lake Conroe whenever heavy rain is expected. Channel 13 has five meteorologists on their staff who were predicting heavy rain for seven days before the first drop of water fell because of Harvey. The tainter gates at the Lake Houston dam will release about 20,000 cfs of water. If 20,000 cfs had been released from both Lake Houston and Lake Conroe for five or six days before the rain started, it would certainly have made for a more manageable situation.
- 2. <u>Never, ever release more than 30,000 cfs from Lake Conroe unless the dam is in</u> <u>eminent danger of failure</u>. The 80,000 cfs release from Lake Conroe during Harvey was not only unnecessary, it was stupid and asinine. Whoever authorized that release should have their head examined! The water level of the lake fell from the high-water mark back to the normal level in less than half the time it took for it to rise from normal to the high-water mark. A slower release from

Lake Conroe would have brought the water level down much slower and avoided flooding Kingwood.

3. Your idea of permanently lowering the level of Lake Conroe is a good one.

Now, let's consider another item to prevent flooding in Kingwood that will cost money.

- 1. <u>Be very selective where you dredge. Remember that dredging basically protects</u> <u>the areas upstream from where it occurs</u>. So, if you dredge from say the Hwy 59 bridge downstream to the main body of the lake you will help the area upstream of Hwy 59, but you might just exacerbate the flooding in Kingwood. The <u>first</u> place that you should consider dredging (and straightening the channel) is the river below the Lake Houston dam all the way to the bay. If you look at the pictures taken of the spillway at the Lake Houston dam on days two, three and four of the 80,000 cfs release from Lake Conroe, you will see that the water level at the Lake Houston Dam was almost the same below the dam as it was above it. For the spillway at the Lake Houston dam to effectively get rid of water in Lake Houston, the water level in the lake needs to be at least 20 feet higher than the water level below the spillway. What I am trying to say is that the water level below the Lake Houston dam was so high that water could not get out of Lake Houston fast enough, hence it backed up and flooded Kingwood.
- 2. There is nothing wrong with dredging the San Jacinto river channel all the way from just below the dam at Lake Conroe to (and through) Lake Houston all the way to the bay. Just be sure that you start with the channel below Lake Houston.

If you have any questions about anything in this letter, please call me and I will try to better explain what I am trying to say.

Very truly yours,

Foster Webb, BSME Texas A&M, 1962 US Army, C. E. 1963-65



----Original Menage-----Free norigi / scoregi / scoreg

Project: C17xBF-SJRStudy Contact Name: Dan Krueger

Inquiry #: 348521 Subject: Druht Report Description: When will the entire druft report be released for public review and comment and how can I see it? Contact Final: druktorgerprejignal.com Contact Final: H19484694

Contact Mailing Address: 1815 PARK STREET HOUSTON, TX 77019

Organization: Independent

Click on the link to access the impairy: https://jpc01.sufelinks.protection.outlook.com? url=https/s3A%2P%2Fnal11.sulesforce.com%2F5003800005R022k.amp.dua=00%7C01%7C01mg.Chearl+40hcfcd.hetx.uef%7C6%ea7d2bc3409ac09408840885d08%7C049%7E981b4477ac78a704d2e5554%7C0%7C0%7C0%7C0%7330292541187307&.sdua=Q0%puUKsJ7%2BbLW+XKYLUZ2O%2BhlgPLA06Q29YMGA%3D&.seeved=0



----Original Message-----From: norphy?=cerephy?execphy@htcfcd.ge; Same Triabut, Agang 14, 2004 CSP PM To This, Agang 24, 2004 CSP PM To Short Thaipy? agang 24 Status; Project Updates has been assigned to you. *** NEW INQUIRY ASSIGNMENT NOTIFICATION *** The following inquiry has been assigned to you.

Project: C17xBF-SJRStudy Contact Name: Douglas Miller

Inquiry #: 348525 Solject: Project Update: Description: Good Ny, Are updates on the Satzlac project available via email (is there a sign up option?) Thank you Contact Email: diwenhigmail.com

Contact Mailing Address: 818 Kip LN Pinchurst, TX 77362

Click on the link to access the inquiry: https://gcoll.asdfalink.protection.outlook.com? url=https%3A%2P%2Fna111.asles/ince.com%2F5003h000005RP4xkamp.sdata=vfk3cPie56502e9b302e419084840ab1024%7C0896c?9e581b4477acf7kd70ddbc555e%7C0%7C0%7C637330450757549817&.sdata=vfk3cPie2BB0hgDMpK3sueECjj0pUskmesr/UBIbOgXK688%3D&.reserved=0



----Original Monage----From is-only "county"/ Bioch oncy-From is-only "county"/ County"/ County"/

Project: C17xBF-SJRStudy Contact Name: David Seitzinger

Inquiry #: 348526 Soljest: Phile: Meeting Description: Where are the slides from the public meeting posted. When will answers to comments be posted? Can i submit additional comments and questions here? Contact Finant disvergible approaches com Contact Prome: 8524027734

Contact Mailing Address: 2810 Eagle Creek Dr Kingwood, TX 77345

Click on the link to access the inquiry: https://god1.safclink.protection.outlook.com? url=https%3A%2P%2Fn111.alecforce.com%2F9003600005RQ5fkamp.data=-wxmKR5Nn21skK1LLIWZpCpKpM5fb3y%2F43JPXS0fPg%3D&.



Is this on the comment database? I don't see it

*** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you.

Project: C17xBF-SJRStudy Contact Name: David Seitzinger

Inquiry #: 348311 Subject Public Menny Data Comments Subject Public Menny Data Comments 2. Andred see comments of Subject Public area has relative and mining operations that are active or abandoned yet none of his area was used to for detention or characterization. Why Net? 2. Andred area comments on Subject Public area public was provided in the materials. Primary question is the amount of flow depicted out of Lake Convex seems low for even an Adus 14 100 year darm. Contact Public #32427713

Contact Mailing Address: 2810 Eagle Creek Dr KIN, TX 77345

Click on the link to access the inquiry: https://gcdl.asdfinks.protection.ord/sockcom? urb/https://scalill.aslenforce.com/?21500340000588KUkamp.datu=%2F07K0157Cling.Chert%40bcfd.hett.aet%2F02246sbc?7181155d2208884223525%7C004bc?%58164477acf78d70ddbc5555%7C0%7C0%7C637332066020841284damp.sdatu=%2F07K4Kgzqg85bc5E1j7czbte?gr0ErxRORKIPqUSSM%3D&zreerved=0

I like this map representation. Is is clear and generally consistent with results matching the data I have from Harvey except for one.

One line weight that does not match Harvey is the representation of the flow from Lake Conroe. Your analysis should not assume that Lake Conroe can keep its gates closed during an 500 yr Atlas 14 storm or even and a 100 year Atlas storm. SJRA maybe planning some way to prevent that, but it will be a tough sell to Lake Houston residents that have been seen major releases at peaks of two 100 year Atlas 14 storms. Dave Seitzinger 08/15/2020



San Jac 2

Lake Conroe is really no different than any other storm retention structure. Once the current storm exceeds the design storm for that structure it is as if it no longer exists for the storm flows.

My general observation is that very few structures are prioritized to protect Kingwood from a Lake Conroe release and those for the West Fork are far up in the watersheds for Lake Creek and Spring Creek.



The following inquiry has been assigned to you. Project: C17xBF-SJRStudy Contact Name: Bob Rehak Contact Title: Host, ReduceFlooding.com

Contact Title: Host, ReducedFooding corn Joginy 7: 8:14541 Solipiet: Cora Quantions Description: How We peep for this plan? Will the low beachfictored traits down this plan before the ink differ? Will the low beachfictored traits down the plane before the ink differ? Description: How the mean strain strain the plane construction project and imply beyond damaged homes? When Mr. Ellior Road bond priorities are complete, how much money will be left for other areas? How much money would be left for host bond for upstream determing in the SJR? Contact Finani: Vendulgipetak.com

Contact Mailing Address: 2702 Rocky Woods Drive Kingwood, TX 77339

Organization: ReduceFlooding.com



I don't see this one on there

---Original Monage-----Teen Andrage, August 17:2001.29 PM To: Stone, Any Bear L 7:2001.29 PM To: Stone, Any Bear L 7:2001.29 PM To: Stone, Any Bear L 7:2001.29 PM To: Stone, Any Bear Location J--unsy Stonejactadates.net-; Waters, Behr (Plood Control) -Eizabeth, Walters@hcfd.hct.net-; Chen, Jing (Flood Control) -Jing Chen@hcfd.hct.net-; grag@hollawayerv.com; ananda@hollawayerv.com; Connor Stokes <-connor@hollawayerv.com Stolpist: Inquiry # 34554: San Jac public comment has been assigned to you. *** NEW INQUIRY ASSIGNMENT NOTIFICATION ***

The following inquiry has been assigned to you.

Project: C17xBF-SJRStudy Contact Name: Paul Eschenfelder

Inquiry #: 34854 Subjects San Jac public comment Description: Veyo and all accomplete tables of the last of the last of the last ball (O) between during Harvey, JAB) in Tac Day, JAB) in Tac Day, JAB hores in Messarial Day flocks. Cherly a problem. Your own presentation, in slide 11, notes that of "Historically flooding area", 2 of the 3 most intense are along Description: Veyo and all accomplete tables and all complete tables and all provides and the complete tables and the second all provides and the second and the last of the last of provides and the second all provides and the second as the table provides and the second as the table and tables and the second approxement and the second approxeme

Contact Mailing Address: 16326 Cranwood Dr Spring, TX 77379

Organization: cycreekstoptheflooding.com

Click on the link to access the inquiry: https://gcofl.safelinks.protection.outlicok.com? url=https%3A%2P%2Fm111.ades/incc.com%2F5003b00005RY52&.udum=V2%7C01%7CJing.Chen/140thcfed.hetx.net%7C3e664ede48845432bd908d842ec3311%7C0d96c7%581b4477acf78d70dd3e555e%7C0%7C0%7C637332929527387575&.udum=KF5KIhYUqAj2RT6CUGtLinFFR40loew9B%2EZ&KIS2P%3D&



Click on the link to access the inquiry: http://gcoll.safelinks.protection.outlook.com? url=http:%3A%2P%2Fn111.salesfore.com%2F5003h00000767Tx&Ada=-02%7C01%7Cling.Cheat%40hcfcd.hetx.net%7Ce88bedfa7a18481104fd08&854172d1b%7C0d9bc79c58164477acf78d70d35555%7C0%7C0%7C637551805804888370kamp;sdat=-g8q0082fc3FtHcopy11z00UNjYrWm1ijXkfluzSSH0w%3D&rserved=0

Inquiry #: 348736 Subject: SIRWADD Description: 1 all have not had response to my prior information request From: no-reply -canophy@ihcfod.org> Date: Fri, Nag 4: 2, 200 al: 21.4 PM Subject: Thank you for contacting the Harris County Flood Control District To dathoregrept@igmail.com.*

Thank you for contacting the Harris County Flood Control District with your important comments and concerns. We are working to provide you with an appropriate response as quickly as possible. Please feel free to follow up with your inquiry if you do not hear back from us soon by calling 346-286-4000. Center: Ffmai: Harkesgerpeiggmail.com Center: Ffmai: Harkesgerpeiggmail.com

Contact Mailing Address: 1815 PARK STREET HOUSTON, TX 77019

Organization: Independent

From:	Chen, Jing (Flood Control)
To:	Rachel Massey; Connor Stokes
Subject:	FW: Lake Conroe Draw Down during Harvey
Date:	Friday, September 11, 2020 3:26:16 PM
Attachments:	The dam differences.pdf
	Lake Houston Flood Analysis final.pdf

Please add response to the original 8/14 comment (see bottom)

From: Chen, Jing (Flood Control)
Sent: Tuesday, September 1, 2020 10:19 AM
To: Green, Dena (Flood Control) <Dena.Green@hcfcd.hctx.net>; Hannan, Ataul (Flood Control)
<Ataul.Hannan@hcfcd.hctx.net>; 'Black, Alan (Flood Control)' <Alan.Black@hcfcd.org>; Zeve,
Matthew (Flood Control) <Matthew.Zeve@hcfcd.hctx.net>
Cc: Bezemek, Gary (Flood Control) (Gary.Bezemek@hcfcd.hctx.net)
<Gary.Bezemek@hcfcd.hctx.net>; Walters, Beth (Flood Control) <Elizabeth.Walters@hcfcd.hctx.net>
Subject: FW: Lake Conroe Draw Down during Harvey

Hi all, please see below responses to Mr. Clinton's 8/14 email (also attachments) and let me know if you all have input in the next few days if possible. Thanks!

From: Matt Barrett <<u>mbarrett@sjra.net</u>>
Sent: Tuesday, September 1, 2020 8:37 AM
To: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>; Chen, Jing (Flood Control)
<<u>Jing.Chen@hcfcd.hctx.net</u>>; Darren Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

Adam,

We are good on this end for you to send up the chain on yours. Please let me know if you get any comments or need to make any further changes.

Thanks!

Matt Barrett, PE Division Engineer



From: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>
Sent: Friday, August 28, 2020 11:23 AM

To: Matt Barrett <<u>mbarrett@sjra.net</u>>; Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>;
Darren Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

Will do Matt!

From: Matt Barrett <<u>mbarrett@sjra.net</u>>
Sent: Friday, August 28, 2020 11:22 AM
To: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>; Chen, Jing (Flood Control)
<<u>Jing.Chen@hcfcd.hctx.net</u>>; Darren Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

[Message Came from Outside the City of Houston Mail System] If you don't mind, Adam, let me see if I can get input on my end before you send up the chain on yours? I also have a few minor suggested edits below in red.

Matt Barrett, PE

Division Engineer



From: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>
Sent: Friday, August 28, 2020 10:30 AM
To: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>; Matt Barrett <<u>mbarrett@sjra.net</u>>;
Darren Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

Here is the revised response based on comments received. If you're all good, I'm going to forward to the upper channels on my end for further review. I really appreciate everyone's help.

Mr. Clinton,

I want to thank you for reaching out and sharing the results of your analyses.

There is a great amount of activity being conducted at the local level to investigate the issues of flooding in the Kingwood area and to analyze the impacts of the interconnection between Lakes Conroe and Houston on those issues. Below is a list of activities currently underway or in process progress; the findings of each of these efforts will be coordinated to develop long-range project planning for flood mitigation in Kingwood and throughout the Upper? San Jacinto basin.

• The Harris County Flood Control District (HCFCD), with support from the San Jacinto River

Authority (SJRA), Montgomery County, and the City of Houston, is finalizing the San Jacinto Regional Watershed Master Drainage Plan (SJMDP). This plan was developed by modeling the entire Upper San Jacinto Watershed, from the headwaters to Lake Houston (I-10?), and identifies primary and secondary flood mitigation strategies throughout the basin and the contributing sub-watersheds (no strategies were looked at in sub watersheds outside the basin, correct?) that, if implemented, would help to address riverine flooding across a wide geographic area, and ultimately reduce the amount of inflows into Lake Houston during major storm events.

- As part of the HCFCD 2018 bond program, HCFCD is also conducting a concurrent analysis to evaluate more localized improvements in the open channels and drainage ditches throughout the Kingwood neighborhoods in addition to/away from the main river stems studied in the SJMDP.
- The City of Houston, with support from the HCFCD, is currently evaluating improvements to the Lake Houston Dam Spillway to identify a feasible alternative that will increase the discharge capacity of the existing structure and allow for rapid decrease of water levels in advance of a major event. The evaluation includes considerations for impacts upstream of the lake and downstream to Galveston Bay and will include hydrologic and hydraulic impacts of Lake Houston Parkway, the FM 1960 bridge, the Luce Bayou Transfer, and inflows from both the East and West Forks of the San Jacinto. This project is funded under FEMA's Hazard Mitigation Grant Program fully utilizes the regional models developed in the SJMDP effort to examine the potential mitigation of flooding from the lake.
- The SJRA has submitted multiple applications for grant funding through the Texas Water Development Board for flood mitigation projects including, with support from the City of Houston, a study to develop a joint reservoir operations strategy for Lakes Conroe and Houston. The SJRA continues to seek additional grant funding opportunities.

With respect to your analyses, there are a couple of points to be addressed. First, Hurricane Harvey was an unprecedented event. The amount of rainfall received overwhelmed local storm drainage systems, and the existing discharge capacity of the Lake Houston Dam could not accommodate the massive inflows. Any flood mitigation improvement projects must be cost-effective, which may preclude such projects from being designed to accommodate flows on the level of Hurricane Harvey. Second, and relatedly, both Lakes serve as water supply reservoirs for not only the City of Houston but a large portion of the surrounding area as well. Discharges from these lakes must be conducted in accordance with TCEQ regulations, both to maintain compliance and to protect the City's water rights.

With that said, the current evaluation for improving the Lake Houston Dam Spillway will consider Hurricane Harvey flows on the selected improvements and determine what level of benefit they can provide for a storm event of that magnitude. The project will also consider the impacts of flood mitigation measures against the preservation of the City's drinking water needs and water rights to find a balance that can achieve the former while maintaining the latter. The information you have provided in your analysis documents will be shared with the project team for consideration. Again, I thank you for reaching out and sharing your comments and concerns. Please contact me if you have any further comments or questions.

Respectfully,

Х

From: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>
Sent: Thursday, August 27, 2020 3:11 PM
To: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>; Matt Barrett <<u>mbarrett@sjra.net</u>>; Darren
Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

[Message Came from Outside the City of Houston Mail System]

Agreed. I'm not planning to respond directly, will defer the actual response to CoH and SJRA. Unless you all would like me to do a simple reply on behalf of the SJMDP team, saying either of you will respond upon gathering info, which is generally advised, in some cases, to let folks know we're working on something. You all can do that, as well. Just let me know what you'd like to do. Thanks

From: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>
Sent: Thursday, August 27, 2020 3:02 PM
To: Matt Barrett <<u>mbarrett@sjra.net</u>>; Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>;
Darren Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: Re: Lake Conroe Draw Down during Harvey

Matt,

This still has to go through review on our end as well, so I wasn't in a position to respond yet. We'll hold off until all parties agree on the language to be included.

-Adam

From: Matt Barrett <<u>mbarrett@sjra.net</u>>
Sent: Thursday, August 27, 2020 2:59 PM
To: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>; Eaton, Adam - HPW
<<u>Adam.Eaton@houstontx.gov</u>>; Darren Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

[Message Came from Outside the City of Houston Mail System]

Jing/All,

I've requested some further review of this language on my end, so if you don't mind holding off on sending the response until you hear back from me on that I would appreciate it.

Thanks!

Matt Barrett, PE Division Engineer



From: Chen, Jing (Flood Control) <<u>Jing.Chen@hcfcd.hctx.net</u>>
Sent: Thursday, August 27, 2020 12:05 PM
To: Matt Barrett <<u>mbarrett@sjra.net</u>>; Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>; Darren
Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

Hi all, yes, we can perhaps talk about the flood control Kingwood analysis, added below. Adam, how about the joint dredging effort? A few suggested modifications in your original email (see blue font). Otherwise, I like the draft language talking about the dilemma you all face and the necessity to balance. Thanks

From: Matt Barrett <<u>mbarrett@sjra.net</u>>
Sent: Wednesday, August 26, 2020 11:52 AM
To: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>; Chen, Jing (Flood Control)
<<u>Jing.Chen@hcfcd.hctx.net</u>>; Darren Hess <<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

Sorry, a few more comments:

- 1. Could "or exacerbate" be replaced with "or could mitigate" since there are multiple efforts (seasonal lake lowering, the joint ops grant we have applied for) in progress with the goal of providing mitigation/benefit?
- 2. Can you please edit the 3rd bullet as follows:
 - a. The San Jacinto River Authority has submitted multiple grant funding applications to the Texas Water Development Board for flood mitigation projects including, with support from the City of Houston, a study to develop a joint reservoir operations strategy for Lakes Conroe and Houston. SJRA continues to seek additional grant funding opportunities.
- 3. Jing, does HCFCD also want to include reference to your bond program and numerous ongoing projects?

4. My comment #1 below could also impact the sentence immediately preceding that sentence in the draft email. Maybe that sentence should specifically reference river/channel and/or drainage system capacities?

Chuck, do you have any additional comments?

Thanks!

Matt Barrett, PE Division Enginee



From: Matt Barrett
Sent: Wednesday, August 26, 2020 11:31 AM
To: 'Eaton, Adam - HPW' <<u>Adam.Eaton@houstontx.gov</u>>; jing.chen@hcfcd.hctx.net; Darren Hess
<<u>Darren.Hess@mctx.org</u>>
Cc: Chuck Gilman <<u>cgilman@sjra.net</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

Good morning Adam/All,

A couple of comments:

- 1. Lake Conroe should be removed from the yellow highlighted statement below.
- 2. Due to extensive litigation ongoing in relation to Hurricane Harvey, everyone might consider running the response by their respective legal counsels.

Thanks!

Matt Barrett, PE Division Engineer



From: Eaton, Adam - HPW <<u>Adam.Eaton@houstontx.gov</u>>
Sent: Tuesday, August 25, 2020 5:27 PM
To: jing.chen@hcfcd.hctx.net; Matt Barrett <<u>mbarrett@sjra.net</u>>; Darren Hess
<<u>Darren.Hess@mctx.org</u>>
Subject: RE: Lake Conroe Draw Down during Harvey

Draft response to the email below. Please review and let me know your thoughts, and once we have a "final" draft we can circulate to our respective higher ups.

Mr. Clinton,

I want to thank you for reaching out, and sharing the results of your analyses.

There is a great amount of activity being conducted at the local level to address the issues of flooding in the Kingwood area and how the interconnection of Lakes Conroe and Houston impact or exacerbate those issues. Below is a list of activities currently underway or in process; the findings of each of these studies will be coordinated to develop long-range project planning for flood mitigation in Kingwood and throughout the San Jacinto basin.

- The Harris County Flood Control District (HCFCD), with support from the San Jacinto River Authority, Montgomery County, and the City of Houston, is finalizing the San Jacinto Watershed Master Drainage Plan (SJMDP). This plan was developed by modeling the entire San Jacinto Watershed, from the headwaters to Lake Houston, and identifies primary and secondary flood mitigation strategies throughout the basin and the contributing subwatersheds that, if implemented, would address riverine and overland flooding across a wide geographic area, and ultimately reduce the amount of inflows into Lake Houston during major storm events.
- An ongoing/concurrent analysis conducted as part of the HCFCD bond program in Kingwood is looking at more localized drainage improvements in addition to/away from the main river stems studied in the SJMDP.
- The City of Houston, with support from the Harris County Flood Control District, is currently evaluating improvements to the Lake Houston Dam Spillway to identify a feasible alternative that will increase the discharge capacity of the existing structure and allow for rapid decrease of water levels in advance of a major event. The evaluation includes considerations for impacts upstream of the lake and downstream to Galveston Bay and will include hydrologic and hydraulic impacts of Lake Houston Parkway, the FM 1960 bridge, the Luce Bayou Transfer, and inflows from both the East and West Forks of the San Jacinto. This project is funded under FEMA's Hazard Mitigation Grant Program fully utilizes the regional models developed in the SJMDP effort to examine the potential mitigation of flooding from the lake.
- The San Jacinto River Authority, with support from the City of Houston, has applied for funding through the Texas Water Development Board to evaluate a Joint Operations Protocol for Lakes Conroe and Houston.

With respect to your analyses, there are a couple of points to be addressed. First, Hurricane Harvey was an unprecedented event. The amount of rainfall received exceeded the capacity of any existing infrastructure to handle the riverine and overland flows, and the systems were overwhelmed. The existing discharge capabilities of the dams on Lakes Conroe and Houston could not accommodate the massive inflows. Any flood mitigation improvement projects must be cost-effective, which may preclude such projects from being designed to accommodate flows on the level of Hurricane Harvey. Second, and relatedly, both Lakes serve as water supply reservoirs for not only the City of Houston

but a large portion of the surrounding area as well. Discharges from these lakes must be conducted in accordance with TCEQ regulations, both to maintain compliance and to protect the City's water rights.

With that said, the current evaluation for improving the Lake Houston Dam Spillway will consider Hurricane Harvey flows on the selected improvements and determine what level of benefit they can provide for a storm event of that magnitude. The project will also consider the impacts of flood mitigation measures against the preservation of the City's drinking water needs and water rights to find a balance that can achieve the former while maintaining the latter. The information you have provided in your analyses documents will be shared with the project team for consideration.

Again, I thank you for reaching out and sharing your comments and concerns. Please contact me if you have any further comments or questions.

Respectfully,

Х

From: Judy Clinton <<u>beaches@flash.net</u>>
Sent: Friday, August 14, 2020 7:15 PM
To: jing.chen@hcfcd.hctx.net; mbarrett@sjra.net; Eaton, Adam - HPW
<<u>Adam.Eaton@houstontx.gov</u>>; <u>darren.hess@mctx.org</u>
Subject: Lake Conroe Draw Down during Harvey

[Message Came from Outside the City of Houston Mail System]

Sirs:

Attached are copies of the Papers I generated over two years ago on the Lake Houston Flooding due to Harvey. One on the impact of the Lake Conroe drawdown while Lake Houston and its tributaries were cresting and the restrictions caused by numerous causeway/bridge system. And an additional paper with information on the Dams as there was much misinformation with comments on possible spillway modifications to the Lake Houston Dam as an alternative to floodgates.

I am well aware Lake Conroe was nor intended as a flood control impoundment, nerveless it was used in that capacity (in reverse) during Harvey, impounding 5 feet of water, then releasing it as the downstream tributaries and Lake Houston were cresting (see timelines in the attached).

I have been distributing the attachments to local political and Interested parties for two years and fail to understand why the SJRA has no adopted a policy to Hold Lake Conroe at flood stage until the downstream bodies have crested.

I forwarded the attachment to your web site a few weeks ago (with a reply I would be contacted) and left questions on both the telephone and conference lines for the

virtual conference held on the 13th. I can't describe how disappointed this was not addressed epically since your proposed multi million dollar impoundments were projected to alleviate only 0.9 ft of flooding on Lake Houston in a "Harvey" like event.

If there is an error in my logic I would appreciate being corrected. If not, I feel the Media may be the only way this issue will be addressed (I'm working on a PP presentation).

Feel free to use the attachments as you see fit. If required, hopefully an order that the SJRA holds Lake Conroe at flood stage until Lake Houston Crests and is receding will be part of the Judgments from pending litigation (I have been told this may be the reason the issue is being ignored).

I am not a Hydrologist but was declared an Expert on Coastal Erosion* in a Daubert hearing in the Severance case against the State "Open Beaches Act" hat went all the way to the Texas Supreme Court (and we won)

* Focusing on Anthropogenic Erosion including the affects of rivers and dams and live on Lake Houston in Kingwood and lived just south of the FM1960 bridge in Atascocita during the 94 flood.

Regards

Russ Clinton 281 360 7795

p.s. if you need "Word" copies for editing purposes I can provide them

The Dam Differences

Although both the Lake Conroe and Houston dams are both earthen retention dams there are two fundamental differences in the way they control their maximum pool retention.

Lake Houston The Lake Houston dam has two small and too medium floodgates that can be used to drain water from the lake when necessary. It also includes a long overflow spillway that allows water to flow over the spillway adjacent to the floodgates during flooding episodes preventing overtopping of the adjacent dam structures. The normal lake levels is maintained at the level of the spillway or just below with water automatically spilling over during high rain and/or flooding events. The two pictures below show the extensive spillway with water flowing over it and the area that was totally an undated during the overflow that occurred with tropical storm Harvey sitting on top of Houston.

A possible shortcoming of the dam is that it has two radial and two flat board floodgates that are relatively small and not designed for flood control. This can present a problem in that they cannot pass an adequate volume of water to rapidly lower the lake as a preemptive measure during the approach of tropical storm systems. This ability to pass floodwaters with floodgates during flooding can be compromised due to downstream flooding reducing the "head" (delta in water pressure) making additional floodgates less beneficial than a larger area of adjustable spillway during flooding events. This problem would be even more exaggerated if the flooding was associated with storm surge backing water up into Galveston Bay, the Ship Channel and the San Jacinto river south of the Dam.

See this site for technical data on the dam https://www.freese.com/sites/default/files/177.pdf



Unlike Lake Conroe, Lake Houston has an extensive overflow spillway system which prevents topping during flooding but does not help with the limitation of floodgates to draw down the Lake.



This is a view of the spillway and floodgates during the Hurricane Harvy Flooding event Note how Downstream Flooding is impeading lowering of Lake level w/Spillway and espically Floodgates



Lake Houston's Floodgates and adjacent spillway



The Spillway is approxiatly 1/2 of the length of the dam

Modifying the Lake Houston Dam / Spillway for additional Outfall and Level Control: We have been told it will take years to add additional floodgates to the Lake Houston Dam for rapid level drawdown and flood control. However, it may be possible to modify a portion (or all) of the existing spillway allowing the elevation to be mechanically reduced by 3 or 4 feet to provide a rapid additional means to both lower lake Houston and provide for additional outfall rates. Additionally floodgates may be almost useless due increase flow out of the lake during a flooding episode due to the lack of head as a result of downstream flooding (see photograph above). Adjustable spillways are not uncommon using gates, drums or even inflatable (with water) bladders. Spillway modifications could allow for rapid implementation without the need to drain Lake Houston and/or install expensive cofferdams. I can find no reference to its implementation; however, I believe a floating barge/cofferdam could be anchored against an area of the exiting spillway, allowing the area to be pumped out, lowered and modified with an adjustable spillway drum one section at a time. The Corps of Engineers should be asked to evaluate this approach which could provide a timely, effective and economical solution to the current limitations of the existing floodgates.

Little Goose Dam Adjustable Spillway Weir arrives By WALLAWALLA – JANUARY 10, 2018







Lake Conre is Designed without a Spillway

Lake Conroe has five large floodgates that must be used to control the lake during flooding events to prevent overtopping of the earthen dam. Overtopping could possibly destroy the dam with catastrophic consequences downstream including loss of life. The Lake Conroe floodgates have demonstrated their ability to protect the Dam during the TS Harvey flooding event. However, they also proved to be more than adequate as the Lake Conroe Flood pool was actually lowered 5 feet using the gates (almost doubling the outflow), just as the San Jacinto River and its tributaries were cresting, adding to the downstream flooding by a significant margin. Part of the San Jacinto River Authorities operating protocol must be to hold Lake Conroe at flood Stage (+5 feet or more) until downstream rivers have past their Flood Stage crest.











Every foot of water drained from the lowering Lake Conroe into Lake Houston contributes a 2 foot increase in Lake Houston based on surface area (flood plain expansion delta not considered).

Weather forecast for Harvey accurately predicted probable area rainfall flooding; however, no preemptive action was taken to lower Lake Conroe (or Lake Houston) even though the SJRA board voted to do so but was ignored (or overruled) by the Dam administrator to ostensibly save water for potential sale or maintain elevation for the upcoming holiday weekend.

On Aug. 27th the SJRA began to draw down lake Conroe releasing the both the incoming storm runoff and 5 feet of Lake inventory*, flooding Lake Houston over the next two days. If they had held Lake Conroe at 206' flood stage**, instead of lowering it into Lake Houston, hundreds of houses and businesses may have been saved – see the timeline for the water levels below. One could infer that with twice the surface area of Lake Houston, drawing lake Conroe down by 3 feet over August 27-28 rose the Level of lake Houston by 6 feet with the last 4 feet the Killer for Kingwood (granted an over simplification due to the expansion of the flood plain). If Lake Conroe was lowered for recreational activity over the Labor Day weekend, the act was Criminal! The SJRA policy should be to "hold lake at Conroe at Flood Stage in coordination with Lake Houston Level control" until Lake Houston and its tributaries have crested.

* A rough calculation, based on the nominal surface area of Lake Conroe alone, estimates an additional 22,000 cu.ft./sec (13.6 billion gallons/day) was added to the discharge due to the drawdown on Aug. 27th.

** The "so called" flood stage level required "by law" and their "operating procedures" to protect the dam, the excuse successfully used during the 1994 flood challenge lawsuit against the SJRA similar actions.

Also, the restriction the FM 1960 bridge/causeway to Huffman poses should be evaluated. The Lake Houston water level is taken at the Dam, the Level upstream of the 1960 bridge was probably 4 to 5 feet higher (I observed a 2-3 foot drop under the bridge during the 1994 flood). The bridge/causeway openings are not sufficient to pass floodwaters effectively. The effect of the West Lake Houston Parkway Bridge as well as the Humble I 59 Bridge complex should also be examined. This could be easily evaluated from the "high water marks" on either side of the structures, using the lake level (when not flowing) as a reference. Multiple overflow culverts need to be cut in the earth fill of the causeways above the normal high water line to minimize the "dam" effect of these structures.



Reviewing and some misconceptions:

It is worth noting the dredging of Lake Houston will have no effect on the flood pool unless the Lake is drawn down prior to a flooding event, and then, only if it changes the surface area when the lake is drawn down, as the Lake inventory increases from the surface up, not the bottom up. Some have noted the Islands in the lake as a result of flood surge sedimentation have reduced its capacity (appearing on the inside radius of the rivers natural meanders), however, most have a low elevation and the flood pool is recovered once they are under water.

The dredging of Lake Houston is still a worthy project to increase the capacity for water retention which will be needed for the City Surface Water plant expansion. This is common in States like California where sedimentation has decreased reservoir capacity and can be accomplished at little or no cost (through the sale of dredged material). I understand Mayor Elise Parker turned down a project to dredge Lake Houston for free, as she wanted

to charge for the sediment (which would most likely be used to build up areas for more flood prone houses). The impact of the transfer of water from the Trinity River to Lake Houston under the Luces Bayou project also needs to be evaluated.

It is difficult (for me) to conceive how the popular solution of dredging of the San Jacinto River between Lake Houston an Humble will benefit flood prevention in the most populated areas. In fact, the dredging of the river may only worsen Lake Houston and downstream flooding, providing faster transfer of higher volumes of water to Lake Houston and reducing the upstream flood plain surge protection. Dredging the river would affectively reduce the unpopulated flood plain flooding in the areas adjacent and upstream of the project, a similar effect to building levies, however, it would also reduce the surge capacity protection downstream (Kingwood) the flood plain now provides (see below). We should consider Levies are sometimes breached in rural areas, increasing the flood plain reservoir, to prevent downstream flooding in more populated areas.

Further consideration(s):

With the maximum inflow to lake Houston now estimated at a peak of 400,000* CuFt/Sec, the additional flow from the drawdown of Lake Conroe outlined above at approximately 22,000 CuFt/Sec represents only about 6% of the total flow, harmful, but not solely to blame if the data is accurate. However, the release of 80,000 CuFt/sec (20% of the inflow to Lake Houston) was huge. The data indicates only lowering or preemptive lowering of the Lake Conroe and Lake Houston pool prior to the storm would have forestalled the catastrophic flooding experienced from Harvey. A procedure for the emergency lowering of the Lake Houston and Conroe should be put in place along with an analysis of a fall season lowering and possible impact with a following summer drought (as well as the impact on recreational lake use during recovery). Engineering changes to the Lake Houston's dams' floodgates and number required to rapidly lower the lake levels should also be expedited.

It's difficult to envision an engineering solution that could prevent a similar catastrophe from a future rainfall event of Harvey's magnitude, however the above procedural solution could well have. A review of the San Jacinto River' impressive floodplain does reveal a large sparsely populated area north of Humble that could be dammed and held in reserve as a "dry reservoir" (read like Addicks) for storm surge capacity. The area could be contained with levies and even be surface mined for sand to increase capacity and generate revenue. An earthen dam north of Humble with normally open floodgates or using the new Grand Parkway bridge/causeway (Spring Creek would need to be diverted to the north for the reservoir to be effective) would provide for storms surge. The cost of such a project might be prohibitive, but possibly less than dredging and much more effective.

The sane procedural action to minimize the effects of tropical storm flooding in the Kingwood area is to preemptively draw down both Lake Conroe and Lake Houston inventories based on the reliable forecast of cumulative rainfalls and to hold Lake Conroe at flood stage (+5 feet above normal pool or higher if the dam and is protected and local property damage averted) until lake Houston has crested and the flow of its tributaries has declined. The argument that drawing down Lake Conroe preemptively will do harm does not hold water (a pun) as the dynamics of the situation allow for the inventory to pass through the River and Lake Houston as the tributaries are flooding and the flow from Lake Conroe can be stopped or reduced at the appropriate time by modeling. This would also reduce the impact of a constant Lake lowering on water inventory and recreational use.

*By the SJRA, although their own data below suggests a cumulative 300,000 CuFt/Sec, was probably reduced due to absorption by the widening river floodplain



Dark Green are the Undeveloped flood plains of the San Jacinto and Spring Creek - Sand Pits are White



Estimated Peak Water Flows for San Jacinto River Basin, Tropical Storm Harvey, August 25 to 29, 2017. Source: San Jacinto River Authority.

Lale Houston - Maximum design water surface is 54.23 feet above mean sea level. Water release is controlled by 2 tainter gates (now 4 - each 18 by 20.5 feet) located between the earthfill section and the spillway section. Elevation of tainter gate sill 25.23 feet above mean sea level, while the top of the gate is at elevation of 45.73 feet above mean sea level. The reservoir's main body of water is located between the dam and confluence of the West and East Forks of the San Jacinto River. According to TWDB 2011 volumetric survey, the lake has a storage capacity of 124,661 acre-feet encompassing a surface area of 10,160 acres at its conservation pool elevation 41.73 feet above mean sea level (NAVD88). Records indicate the drainage basin is approximately 2,828 square miles, of which 445 square miles (or 16%) are controlled by Conroe Dam.



Lake Conroe Flood and San Jacinto flood plain (The Lake stays mostly within it's banks)



Lake Houston Flood Plain (and Greens & Cedar Bayou)

Dredging of the San Jacinto River:

It's difficult to envision how dredging the San Jacinto River will provide significant flood relief to the residence of Kingwood and Atascocita on Lake Houston. The project is estimated to cost approximately \$70 million to dredge and de-snag the river from Humble to Lake Houston Parkway (2 miles). The project is estimated to remove 1.9M cu yards of material or approximately 11,760 acre-feet (at 0.0006198 acre-feet per cubic yard). Since the surface area of Lake Houston is approximately 12,700 acre-feet, the project has the potential, if all of the removed material establishes a dry riverbed, of adding about 1 foot of capacity for storm surge to Lake Houston. In reality, one would assume that some of the material removed results pooled riverbed and during flooding the Lake expands its
floodplain by approximately 20% so in reality the surge capacity will probably more like 6 inches. An additional consequence of the project will be accelerated transfer of water from Lake Conroe and the upstream tributaries of Lake Houston (and reduction of flooding in the unpopulated areas along the floodplain of the San Jacinto River). One wonders why the cost of the project is not offset by the sale of the dredged material or even better if the dredged material was used to establish the required dam and levies for a retention basin north of Humble. The least beneficial use of dredged material is to fill in the adjacent flood plain for commercial or residential projects (as is planned or happening) therefore reducing the flood surge capacity provided by the flood plain. Any such projects should be required to provide alternative storm surge capacity to offset their impact.

Removal Debris from Lake Houston:

The City has also embarked on a \$69M project for the removal of debris from Lake Houston, estimating that 150,000 yd.³ of material will be removed over the length of the six months project^{*}. While this is a worthy project that may reduce the number of boating accidents related to submerged debris, the effect of the submerged debris at normal pool levels does nothing to add additional capacity for storm surge to Lake Houston. Even if all of the area of the debris were exposed, by preemptive lowering the Lake level, less than 1 tenth of an inch (0.007 feet) of storm surge capacity would be added.

*The City should use funds from the impervious surface water tax levied on Houston residents as it was determined that properties the drain onto Lake Houston were subject to this tax and that Lake Houston is part of the storm water runoff system.

Comments on the Active Projects above: As is conmen with government projects, when funds are available, the "shovel ready" or "to do list" projects are funded first such as the above or the "Ike Dike" (A Gulf of Mexico storm surge project that would have had little or no value during a rain event like Harvey). Adding additional flood gates to the Houston Dam, Opening the 1960 Bridge restriction or adding a dry reservoir to the San Jacinto would be much more meaningful expenditures.

Solutions: Preemptive draw down of lake Houston and Conroe (and holding Conroe at flood stage) has already been mentioned – waiting 5 to 10 years for additional floodgates (as many as 10!) on lake Houston as has been proposed may possibly be avoided by an alternative solution, which may be both more timely and cost effective. It should be possible to modify a portion (or all) of the existing spillway so the elevation may be lowered by 2 or 3 feet to provide a rapid additional means to lower the lake and provide for additional outfall.

Also the use of dredged material from projects already started* (or from lake Houston) should be reserved for a dam and levees for a dead pool containment reservoir on the broad flood plain north of Humble with normally open floodgates on the river that may be closed during flooding events, , or possibly a "Y" or "V" shaped reinforced opening designed to pass 200K Cu. Ft./sec of water (or more depending on the location of Spring Creek) before topping over-topping the reservoir.

The route 59 bridge / causeway NW of humble could serve as the "dam" ***with floodgates installed on the river bridge area (as it already does to some extent). Also, additional drainage tunnels need to be cut through the FM 1960 Bridge / Causeway over Lake Houston (and the West lake Houston Parkway Bridge / Causeway as well) to prevent them from backing up floodwater flow**.

* Nothing has been said about the use and value of dredged material which should be sufficient to offset much of the cost of these expensive projects, and the plans to control the use for development of valuable property in the area to assure it is out of the flood plain.

** I have yet to see any data on the level drop across the structure(s) during the Harvey flooding. This data could be easily obtained from the elevation on high water marks property on each side of the bridge(s).

*** This may already be happening to some degree with the: FM 1960, W. Lake Houston Parkway, Humble 59 and Grand Parkway – Causeway/Bridge systems and needs to be evaluated along with the impact to the upstream flood plains.



Story and Photos by Gina Baltrusch

The next generation of spillway weirs arrived at Little Goose Lock and Dam Oct. 30, 2017. The adjustable spillway weir (ASW), functions similarly to the fixedheight fish weirs installed at other Corps dams on the lower-Snake and lower-Columbia rivers, allowing juvenile salmon and steelhead to pass the dam near the water surface under lower accelerations and lower pressures, providing a more-efficient and less-stressful dam passage route. As with each weir that has been developed since the first prototype was installed at Lower Granite Lock and Dam, design improvements continue to be made. The ASW features a mechanical hoist, enabling incremental height adjustments to the weir crest to better manage water flows for out-



migrating juvenile salmon during spring run-off or summer flows, or possible night operations without the use of a large crane. An overlapping water-stop panel slides in a track to move up and down with the crest component. The ASW will replace the existing, non-adjustable, top spillway weir (TSW) currently installed in spillway bay number 1.



Drum Gate

Comments on the Bond Issue:

Approving a \$2.5 Billon dollar bond referendum without fixed committed purpose(s) and just a list of possible objectives is troubling. Why the bond issue was not postponed, and a study done to define the projects and cost rather than just a "wish list" is unclear, it appears to have been an effort to couple the voting with the passion associated with the disaster. This could result in squandering the funds spent on projects do not represent the will of the majority of the voters or for the intended purpose. Several years ago we were asked to pass a similar referendum for the "Impervious Surface" tax (yes it became a tax when the first 1000 sq feet were exempt, an incredibly complex and inefficient method of revenue collection. The money, approximately \$200M/year was to be used to improve drainage and prevent flooding. The City, in its infinite wisdom, deiced the money should be placed in a "special fund" for "drainage and street repair". We have seen no mention on how the funds have been spent and the impact on the "Harvey" flooding. I believe in the first few years of the "tax", funds were over collected due to the lack of projects and were dumped over to MTA for mass transit use, it would be nice to know.

Note: The City of Houston has already requested \$50 Million in Federal funds to add 10 additional floodgates to the lake Houston dam, outside of the bond funding, one of the most critical needs.

Rough calculation of Lake Conroe drawdown flood contribution

Lake Houston surface area = 18.52 sq.mi Lake Conroe Surface Area = 32.81 sq.mi Ratio = 1.77 Sq. mi to feet = x 27,878,400 Sec/day = 86,400 Lake Conroe Sq, ft = 914,690,304 = 914,690,304 CuFt per 1 ft depth

August 27 to 28 lake Conroe was drawn down 2 ft (while lake Houston as cresting)

2 ft / day = 1,883,380,606 CuFt of water

/ 86,400 sec/day = 21,798 CuFt /sec

Copyright © 10/1/17, by R. Clinton, rev. 7/9/18 email <u>beaches@flash.net</u> Russ Clinton was deemed an expert witness on coastal erosion, including the effects of rivers and dams (in a Daubert hearing), in the "Severence" case that successfully challenged the takings provisions of the Texas Open Beaches Act. He can be reached at Phone # 281 360 7795 or email <u>beaches@flash.net</u>

Dredge lake Houston for this??

http://swamplot.com/how-about-a-300-acre-marina-and-skyscraper-complex-off-kingwoods-woodland-hills-dr/2018-05-08/

https://www.swg.usace.army.mil/Media/Public-Notices/Article/1722068/swg-2016-00384-romerica-investments-llc-west-fork-of-the-san-jacinto-river-harr/

From: ebfriedman@aol.com <ebfriedman@aol.com>
Sent: Wednesday, September 9, 2020 3:11 PM
To: Connor Stokes <connor@hollawayenv.com>; Elizabeth.Walters@hcfcd.hctx.net; amy.crouser@hcfcd.hctx.net;
Jeremy.Ratcliff@hcfcd.hctx.net
Subject: Fwd: (no subject)

CAUTION: Email from outside Hollaway

Sent from AOL Mobile Mail Get the new AOL app: <u>mail.mobile.aol.com</u>

On Wednesday, September 9, 2020, Rodriguez, Javier <<u>Javier.Rodriguez@hcfcd.hctx.net</u>> wrote:

Hi Beth,

Amanda Brown is requesting some more information about proposed drainage ditch in Huffman, TX.

Can you please assist?

Javier Rodriguez Communications Administrative Coordinator

javier.rodriguez@hcfcd.org | www.hcfcd.org

From: Cisco Unity Connection Messaging System <<u>unityconnection@cucvm.hctx.net</u>> Date: Wednesday, September 9, 2020 at 11:51 AM To: "<u>76e8aefe-4e86-4837-8100-3de859c09d32@cucvm.hctx.net</u>" <<u>76e8aefe-4e86-4837-8100-</u> <u>3de859c09d32@cucvm.hctx.net</u>> Subject: Message from BROWN AMANDA (2819000217)

From:	Chen, Jing (Flood Control)
To:	Bezemek, Gary (Flood Control); Conlan, William
Cc:	Connor Stokes
Subject:	FW: I am most interested in plans and schedule for adjustments to the Kingwood by-pass ditch. This ditch and the St Lawrence drainage ditch were the cause of much flooding twice in 2019 to the residents of Forest Cove.
Date:	Monday, July 27, 2020 4:16:18 PM

Fyi

From: Zeve, Matthew (Flood Control) <Matthew.Zeve@hcfcd.hctx.net>

Sent: Monday, July 27, 2020 4:15 PM

To: Walters, Beth (Flood Control) <Elizabeth.Walters@hcfcd.hctx.net>

Cc: Chen, Jing (Flood Control) <Jing.Chen@hcfcd.hctx.net>

Subject: FW: I am most interested in plans and schedule for adjustments to the Kingwood by-pass ditch. This ditch and the St Lawrence drainage ditch were the cause of much flooding twice in 2019 to the residents of Forest Cove.

For Kingwood comment tracking and response

From: Joe Kullman <<u>kullman77339@gmail.com</u>>

Date: Thursday, July 23, 2020 at 3:10 PM

To: CJO CRTF <<u>crtf@cjo.hctx.net</u>>

Subject: I am most interested in plans and schedule for adjustments to the Kingwood by-pass ditch. This ditch and the St Lawrence drainage ditch were the cause of much flooding twice in 2019 to the residents of Forest Cove.

Joe Kullman 914 Southern Hills Rd. Kingwood, Texas, 77339

Sent from Mail for Windows 10





San Jacinto Master Drainage Plan August 2020 Virtual Public Meeting

Appendix F Comment Database

#	Name: First	Name: Last	Comment Date	Input Type	Comments	Inquiry Response
1 .	John	Graziano	8/19/2020	Online Comment	I don't know of many situations in Texas where counties have allowed the use of eminent domain to create parks or greenways as was done on the Spring Creek Greenway https://www.chron.com/neighborhood/humble-news/article/County-continues-to-developgreenway-project-1572378.php and expanding to the Cypress Creek Greenway. https://agenda.harriscountytx.gov/2019/2019-02-12ag.pdf. The same is mentioned on the attached links below, for similar plans for Montgomery County. If planning projects are being used to leverage other funding and advance the use of eminent domain, it's problematic, not only for Montgomery County but for all of Texas. The red marks they have circle is in part our ranch, in Montgomery County. https://www.houstonchronicle.com/neighborhood/woodlands/news/article/Bottomlandsalon-Lake-Creek-eyed-for-greenway-6052310.php. When parks and trails are built along rivers and streams dog, horse and human waste gets washed into the water systems and of course hand we pay for bad decisions with our tax dollars. See link below. https://www.yourconroenews.com/neighborhood/woodlands/news/article/After-flooding-futureunclear for-Spring-Creek-12204650.php	Jing Chen response email 10/2/20: Comment noted and will be taken into consideration. Jeff Johnson note - The use of eminent domain is a policy decision determined by Commissioner's Court.
2	Foster	Webb	8/8/2020	Online Comment	I am not a flood control expert. but I do have a basic understanding of hydraulics and fluid mechanics. I am firmly convinced that the best way to minimize the water level in Lake Houston during times of flooding is to dredge a deep and straight channel from below the Lake Houston dam down the river to the Houston ship channel. Attached is an e-mail exchange that I had with Stephen Costello in which he said "Hydraulically you are correct that downstream improvements are best". What is being done to create a deep and straight channel from the Lake Houston dam to the ship channel?	See email from Jo Ellen Meitl (CoH) on 8/13/20: The City is working with Harris County, Harris County Flood Control District, Coastal Water Authority and TWDB to develop a long-range plan for dredging activities in the Lake.
3	Stephen	Mulliken	8/10/2020	Email Comment	What ongoing Montgomery Country sand mining ongoing operations are being carried out, by whom, how often, fines/issues, amount collected.	Jing Chen response email 10/2/20: Jeff Johnson note - Please contact the regulatory authority T.C.E.Q.
4 .	lim	Robertson	7/18/2020	Email Comment	I have two questions about the San Jacinto Regional Watershed Master Drainage Plan. Can you please share with me how information from the Cypress Creek watershed is being incorporated into the plan, and what type of information is being included? Our organization, the Cypress Creek Flood Contro Coalition, has been working on flood mitigation issues within the Cypress Creek watershed for many years and is interested in what and how the Cypress Creek watershed information is being included and evaluated. Can my e-mail address (jhrver@aol.com) be added to the list of those who receive updates, status reports, interim reports, notice of public or stakeholder meetings, and other information about the San Jacinto Regional Watershed Master Drainage Plan? Thank you.	s I See Jing Chen response email from 8/11/20
4.	lim	Robertson	8/10/2020	Email Comment	Per Jing's note below, is it possible to please shed any light on the first question in my 7/18/20 e-mail?	Hi Jim, thank you for looping back. We took some time to develop a standard message related to your questions regarding Cypress Creek, please see below. We appreciate the input/question, hope the answer below suffices. Please let me know if you have further questions. We hope you have also received the meeting notice sent out last week. Attached is a copy for your use/distribution. (see e-mail from Jing Chen on 8/11/2020 at 11:34 AM
5.	John B.	Planchard	8/13/2020	Email Comment	I have just viewed the virtual presentation on the regional watershed master drainage plan and wish to make a comment. I am currently on the Montgomery County Drainage District #6 Board of Directors. In checking with the districts engineering firm, I have determined that no one in the study has sought our input. Our district encompasses approximately 2,500 acres and drains into Spring Creek. We wish to help in any way necessary in providing info on our efforts to mitigate flooding but also receive input on how we can fit within the regional plan.	Jing Chen response email 10/2/20: Input is always welcome and will be considered from those that reach out to us during the study period. The regional plan is broad and focuses on H&H analysis of the main stems. The methodology used for future land use needs to be consistent across the region, and the team used data from the state and region utility forecasting. There was not enough time to get to the local level. The team was funded separately by five of the MUDs in/near the Woodlands to conduct a bit more detailed analysis of mitigation options on Spring Creek, that was a valuable additional help for those in that area/watershed.
7	Earl	Hale	8/8/2020	Email Comment	How long will the dredging of the River and lake be going on, and what is the source of the funding? And who owns the dredging equipment? Thanks to the many folks who are looking out for our benefit, especially David Martin !!!!	Jo Ellen Meitl - PM for CoH intergovernmntal coordination responded 10/1/20: The Lake Houston dredging is expected to be completed in November 2021. The funding for the work is coming from the Texas Water Development Board. The dredging equipment is owned by the contracting company conducting the dredging.
8	Dave	Seitzinger	8/16/2020	Email Comment	I think the study review meeting went well. Materials were well prepared and speakers handled themselves well. Good to see and hear your part. I added some comments during the meeting and a couple more over the past couple days. I am sure it has been tough getting things together with the COVID restrictions. Hope all is well with you and your family. Thanks for your efforts to get us to this point. Looking forward to see the draft report or the final report; whichever is available to the public.	Jing Chen response email 10/2/20: Thank you for your feedback. The draft report will be available in late 2020
9.	lim	Stinson	8/4/2020	Email Comment	I visited with Dr. Emil Jacobs of MUD 386 yesterday regarding the SJRWMDP and the "Project Scoring and Ranking" on page 27 of the Executive Summary. He informed me that the benefit-to-cost ratio of the several metrics used to develop ranking of the 16 projects was weighted at 10%. I strongly urge the study team to consider increasing the benefit-to-cost ratio weighting to at least 20%. In reviewing the several metrics described in the "Project Scoring and Ranking" paragraph on page 27, it seems very reasonable to me that the benefit-to-cost ratio metric deserves a higher weighting than 10%. We sincerely appreciate your time and effort on this important community report. Please let me know how we can appeal/change the weighting of the benefit-to-cost ratio metric in the SJRWMDP final report. Thank you again for your help.	Jing Chen sent response email 10/1/20: Thank you for your feedback on the ranking metrics. Your concerns are important to us and will be taken into consideration. The project team conducted a sensitivity analysis of the weightings to determine if the weight of any individual criterion was driving the overall project rankings. The overall project scores are largely consistent when individual weights are adjusted, even if the project benefit-cost ratio were weighted above all other criteria at 25%.

San Jacinto Master Drainage Plan

Carl						
#	Name: First	Name: Last	Comment Dat	te Input Type	Comments	Inquiry Response
10	Heather	Riddick	7/23/2020	Email Comment	I would love to be a part of the next proposed meeting for Kingwood.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
11	Terry	Robinson	7/27/2020	Email Comment	I too, would like to express my concerns regarding the flooding in Woodstream Village. We live at 3010 Brook Shore Court, Kingwood, Texas 77345. My wife and I have worked our entire lives to achieve the opportunity to live in what we considered, "our dream home." We bought our home immediately after Hurricane Harvey with the understanding and hearing it from the top local government, that Harvey was a "freak" of nature and "couldn't possibly reoccur", since it was a "500-year storm". Unfortunately, we were the victims of Tropical Storm Imelda incurring approximately \$85,000.00 in damages to the 1st floor of our home. Have you ever had the displeasure of holding your breath ever time it rains above a normal rain shower? Please understand that I'm by no means exaggerating, when I tell you that it is exactly what we do in fear that we'll flood again. Have you ever walked the gully behind our homes? There is so much debris from Harvey, that the gully literally dams up in many spots. How is the gully supposed to flow or drain properly? I realize there are many variables contributing to the continuous flooding we experience in our neighborhood. However, we trust our local government and want to believe that you will do all you can to help mitigate this blaring issue. The state and federal government pumped monies into our county to help resolve the issues. Where is that mone? What have you done for our community to help? Please understand, we aren't whining because we feel like no one is listening to our issues. We are merely asking that you place our shoes on your feet and help resolve the issues that have to face another devastating flood when we know there are solutions to the problems. Please help us. We want to retire here, and we love the community. We're merely asking, pleading, for your help.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near- Kingwood Members of the F-14 team are copied here, also.
11	John	McGrath	7/27/2020	Email Comment	I would like to echo the words of my neighbor, Chet Pizza, and I am also very concerned about the lack of apparent action and concern on behalf of the city with respect to the repeated flooding incidents in the Woodstream subdivision. This is on top of several near misses where the water level has come up sharply after heavy rain, but fortunately subsided again. I live at 3015 Brook Shore Court in Kingwood with my wife and 2 kids and we were flooded in Harvey and Imelda, and every time there is a heavy rain we all get a knot in the pits of our stomachs and can't sleep until the rain has subsided. At the moment we can't even plan vacation during the hurricane season in case there is a very heavy rainfall (not just a hurricane) which causes a flood and we are not home to salvage what we can. House prices have dropped by over 20% and it has cost most of us so much to repair our homes that it's not realistic to leave even if we wanted to. We have a great subdivision and great neighbors that we don't want to leave, but in order to have a day to day life free from worry of flooding we need the help of the authorities. It is clear from the Write the city approved and also the inadequacy and condition of the current drainage systems we have. All of this is fixable and in a realistically short time frame so I would beg you to allocate the funds that are needed to rectify this so that we can recover from the M132 flooding events that we have had without having to worry unduly about further preventable floods, and it is clear that this will happen again and with increasing frequency until something significant is done. I am happy to provide any further information that you may require and I look forward to hearing in the near future how these issues will be addressed.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near- Kingwood Members of the F-14 team are copied here, also.
11	Chet	Piazza	7/27/2020	Email Comment	Good day to you. My name is Chet Piazza and I live at 3019 Brook Shore Ct in the Woodstream Subdivision of Kingwood. My home flooded during Hurricane Harvey & Imelda. Since then I have become very concerned at the rate in which the water rises in our area. After several months of research with Mr. Chris Bloch it has been determined that our water shed is being completely overwhelmed by the Royal Brook/Perry Homes subdivision. It is with this in mind that we formally submit the White oak Creek Diversion Channel Presentation for your consideration. This is a highly effective solution to divert the water volume coming from White Oak creek directly to Caney Creek completely bypassing the Woodstream area. Should you have any questions in the matter please feel free to contact me at tell# 281-794-9294. We look forward to hearing from you.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.

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12	Donald	Brown	7/27/2020	Email Comment	My name is Donald Brown and I live at 3014 Brook Shore Ct in the Woodstream subdivision and have been here since 1998. There had never been a flood on our street until Harvey which coincided with Royal Brook post construction. Now in the past couple of years we have had two floods, not a coincidence since these floods have happened after the construction and apparent lack of planning/execution of water run off towards Woodstream. I understand there is a series of relatively straightforward fixes that can be done if the funding is kept in the bucket and used to direct the runoff appropriately. This has had a negative effect on property values which equates to lower tax revenue that affects the ability of the county to assist other flood prone areas. My family and I are available to be contacted at 713-885-4059 for any discussions on this matter.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
13	Donna Raye	Parr	8/24/2020	Email Comment	I have asked you repeatedly not to flood my home, my neighborhood. I have restored it, after you flooded it, three times, more than three feet deep in water and sewer, each time. This year, the new Rayford Road highway literally dumps its runoff directly into my neighborhood. I am physically unable to restore my home again. Greg Abbott's disaster proclamation DOES NOT include MONTGOMERY COUNTY. DO NOT FLOOD MY HOME AGAIN https://gov.texas.gov/uploads/files/press/DISASTER_Marco_and_Laura_disaster_proclamation_IMAGE_08-23-2020.pdf	Jing Chen 10/2/20 email response: Thank you for your feedback. Your concerns are important to us and will be taken into consideration by the SJMDP study partners. Fyi there are viable projects being proposed along Spring Creek as part of the SJMDP effort. Local entities are partnering with SJRA to seek grant funding for those projects. Once funding is available, the projects will reduce flooding along the creek.
14	Gary	Wells	7/29/2020	Email Comment	What is being done to add storage capacity, reduce runoff rates and reduce development along the upper portions of the watershed?	Jing Chen response email 10/2/20: The SJMDP proposed alternatives included almost a dozen detention facilities throughout the watershed that can be helpful to add storage capacity and mitigate impacts from larger storms. As development within the San Jacinto River watershed continues, counties and municipalities will consider enforcing common drainage criteria that limit post-development runoff rates to pre development runoff rates to protect downstream properties. Enforcing these local detention policies provides a significant local benefit to neighboring properties that could otherwise be harmed by more frequent flooding.
15	Robert	Rehak	7/23/2020	Email Comment	Beth, Forward to your consultants if you wish. A sampling of shots taken months apart. The "white water" incident made Fox News. TCEQ later determined the LMI Moorhead mine illegally discharged 56 million gallons of white goop into the West Fork with a level of dissolved solids that was 25 times higher than the background level. https://reduceflooding.com/2019/11/30/tceq-cites-sand-mine-for-allegedly-discharging-56-million-gallons-of-white-pollution-into-west-fork/. I recently compiled 70 photos of similar breaches. Manmade pollution, in my humble opinion, is one reason for the excess sediment we have.	Jing Chen and SJMDP provided various verbal responses to Bob. Additional response - TCEQ is the correct agency to enforce water quality violations. This's outside of current SJMDP scope, and does not really fit into discussion of future work.
16	Becky	Martinez	8/28/2020	Email Comment	BLC participated in the August 13, 2020 virtual public meeting. We submitted comments through the online portal and have attached them to this email. Please reach out if you have any questions.	Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
16	Becky	Martinez	8/28/2020	Email Comment	BLC participated in the August 13, 2020 virtual public meeting and respectfully submit the attached comments.	Thank you for contacting the Harris County Flood Control District with your important comments and concerns. We are working to provide you with an appropriate response as quickly as possible. Please feel free to follow up with your inquiry if you do not hear back from us soon by calling 346-286-4000.
16	Becky	Martinez	8/13/2020	Email Comment	Bayou Land Conservancy (BLC) has many conservation easements in places where proposed projects are shown. Not only are these tied to federal wetlands mitigation, but they also provide much-loved recreation spaces managed by multiple partners. If it hasn't already, BLC suggests that the study take into account the implications of impact to these existing conservation easement areas.	Jing Chen responded 10/2/20 to BLC and Becky - The study team has taken the BLC easements into consideration and reflected changes as relevant to current feasiblity scope.
18	Geoff	-	9/1/2020	Email Comment	Just a fabulous letter, Becky !! Wonderfully phrased and laid out. Excellent journalism! Keep me posted, please. BLC can make a significant contribution here as it is a boots-on-the-ground organization with in-house and support expertise.	Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
19	John	McGrath	7/28/2020	Email Comment	I live in 3015 Brook Shore Court, Kingwood and along with our neighbours and friends in Woodstream we were flooded in both Harvey and Imelda. We are trying to ensure that the area around Taylor Gully is cleared and upgraded to ensure that it can handle the increased water flow from these storms and the off run from the Royal Brook/Perry Homes development to our immediate North.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near- Kingwood Members of the F-14 team are copied here, also.
20	Heather	Riddick	7/28/2020	Email Comment	I would like to express my concerns about Taylor Gully, new development & our storm drain issues. Taylor Gully can't hold all the extra new development nor does it have the proper path to White Oak(which I live at the culdesac that these 2 meet) The path now slows down the flow tremendously & needs to be dug out with 90 degree turn taken out so that that 1,800 ft has a straight path to White Oak Creek. New Development on Hueni Street is going to cause more down stream flooding for us. The elevation there to here on Brook Shore Court is a 13 ft elevation difference. We need a proper diversion for their water. We have storm drainage issues that need to be addressed for an example Fern Garden Ct & Hickory Green Ct have their on storm drain at the end of their culdesac street straight to White Oak Creek.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near- Kingwood Members of the F-14 team are copied here, also.

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#	Name: Firs	t Name: Last	Comment Date	Input Type Comments	Inquiry Response
21	Pamela	Jones	8/13/2020	Email Comment Taylor Gully can't hold all the extra new development nor does it have the proper path to White Oak(which I live at the culdesac that these 2 meet)	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
22	Foster	Webb	8/14/2020	Email Comment The path now slows down the flow tremendously & needs to be dug out with 90 degree turn taken out so that that 1,800 ft has a straight path to White Oak Creek.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near- Kingwood Members of the F-14 team are copied here, also.
23	Dan	Krueger	8/14/2020	Email Comment When will the entire draft report be released for public review and comment and how can I see it?	Jing Chen response email 10/2/20: The draft report are still under review, once finaled, will be available in late 2020.
24	Douglas	Miller	8/14/2020	Email Comment Good Day. Are updates on the SanJac project available via email (is there a sign up option?) Thank you .	Jing Chen 10/2/20 email response: Any ongoing updates on this project will be available on https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto- River/C-17-San-Jacinto-River-Watershed-Study Please check back on this page for new information. There's not a great likelihood there will be other project emails sent out, but you are on our stakeholder database due to your inquiry below, for other project communication related to this project, if they do occur. Thanks for your interest.
25	David	Seitzinger	8/15/2020	Email Comment Where are the slides from the public meeting posted. When will answers to comments be posted? Can i submit additional comments and questions here?	Jing Chen response email 10/2/20: Please visit the HCFCD bond website for future updates or submit other comments (please note comments will be recorded but will not be incorporated to the current SJMDP deliverables) https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
26	David	Seitzinger	8/16/2020	Email Comment We have storm drainage issues that need to be addressed for an example Fern Garden Ct & Hickory Green Ct have their on storm drain at the end of their culdesac street straight to White Oak Creek.	Jing Chen response email 10/2/20: This response is deferred to the F-14 Kingwood team.
27	Bob	Rehak	8/17/2020	Email Comment How will we pay for this plan? Will the low benefit/cost ratio doom this plan before the ink dries? Are partners other than Harris County Flood Control willing to contribute to construction? Does it make more financial sense to bypass construction projects and simply buyout damaged homes? When Mr Ellis' flood bond priorities are complete, how much money will be left for other areas? How much money was budgeted in the flood bond for upstream detention in the SJR?	The SJMDP is a regional study that proposed alternatives to reduce flood risk across the watershed. The SJMDP considered benefit/cost ratios as a metric to rank the proposed alternatives. Other metrics considered were social vulnerability and low-to-moderate income. Voluntary buyouts for frequently flooded structures were also proposed in the study. Partnership funding within the watershed will be required to implement projects. In addition to structural projects that can reduce flooding instances within the watershed, the SJMDP produced comprehensive models for the upper basin, made a list of new gages for the entire watershed to improve flood watch functions, make recommendations to supplement and inform watershed emgergency response, all of which will inform and enhance watersehd communities' decision-making abilities for policy formulation to further reduce the instances of flooding within the watershed.
28	Paul	Eschenfelder	8/17/2020	Very sad and incomplete study. Cypress Creek was noted as being in this watershed. Cy Creek watershed lost 10,000 homes during Harvey, 1,800 in Tax Day, 1,600 homes in Memorial Day floods. Clearly a problem. Your own presentation, in slide 11, notes that of "Historically flooding areas", 2 of the 3 most intense are along Cypress Creek. Your slide 16 clearly shows that eight (8) damage future flooding damage centers are along Cypress Creek - more than any other one stream in this study. Yet despite your own data, NO mitigation is contemplated along Cypress Creek, just as it has been ignored for the last 40 years. This is a conclusion hard to justify scientifically. It would appear the data calls for mitigation along Cypress Creek, but that the political will is in Kingwood. Unfortunately we were directly informed by Congressman Crenshaw's staff for flooding that this study would address Cypress Creek and deliver mitigation. The Congressman's office needs to be re-educated as to the intent of the study. And it is well the study recommends work on Peach Creek, Caney Creek, Spring Creek, where development continues apace. Otherwise they will become Cypress Creek - flooded 7 times in 20 years and abandoned.	Jing Chen response email 10/2/20: The SJMDP is a regional study that proposed alternatives to reduce flood risk across the watershed. HCFCD has ongoing studies and projects separate from the SJMDP to reduce flooding on Cypress Creek. More information can be found at https://www.hcfcd.org/Find-Your- Watershed/Cypress-Creek
29	Dan	Krueger	9/8/2020	Email Comment I still have not had response to my prior information request	Responded 9/8/2020 by Jing Chen: please clarify your request

# Name:	First Name: Last	Comment Date	e Input Type	Comments	Inquiry Response
30 Russ	Clinton	8/25/2020	Email Comment	Attached are copies of the Papers I generated over two years ago on the Lake Houston Flooding due to Harvey. One on the impact of the Lake Conroe drawdown while Lake Houston and its tributaries were cresting and the restrictions caused by numerous causeway/bridge system. And an additional paper with information on the Dams as there was much misinformation with comments on possible spillway modifications to the Lake Houston Dam as an alternative to floodgates. I am well aware Lake Conroe was not intended as a flood control impoundment, nerveless it was used in that capacity (in reverse) during Harvey, impounding 5 feet of water, then releasing it as the downstream tributaries and Lake Houston were cresting (see timelines in the attached). I have been distributing the attachments to local political and Interested parties for two years and fail to understand why the SJRA has no adopted a policy to Hold Lake Conroe at flood stage until the downstream bodies have crested. I forwarded the attachment to your web site a few weeks ago (with a reply I would be contacted) and left questions on both the telephone and conference lines for the virtual conference held on the 13th. I can't describe how disappointed this was not addressed especially since your proposed multimillion-dollar improvements were projected to alleviate only 0.9 ft of flooding on Lake Houston in a "Harvey" like event. If there is an error in my logic I would appreciate being corrected. If not, I feel	 Mr. Clinton, I want to thank you for reaching out and sharing the results of your analyses. There is a great amount of activity being conducted at the local level to investigate the issues of flooding in the Lake Houston area. Below is a list of activities currently underway or in progress. The findings of these efforts will be coordinated to develop a long-range plan for flood mitigation in Kingwood and throughout the Upper San Jacinto basin. The Harris County Flood Control District (HCFCD), with support from the San Jacinto River Authority (SJRA), Montgomery County, and the City of Houston, is finalizing the San Jacinto Regional Watershed Master Drainage Plan (SJMDP). The SJMDP was developed by modeling the entire Upper San Jacinto
31 Amand	Brown	9/9/2020	Voice Comment	Hi my name is Amanda Brown. I have few questions regarding a proposed drainage ditch project that will take place in Huffman, Texas involving Luce Bayou. If someone can please call me back at 281-900-0217, I would really appreciate it. Thank you.	Jing Chen sent to Alvin Jackson in the S100 PER team to respond.
32 Joe	Kullman	7/23/2020		I am most interested in plans and schedule for adjustments to the Kingwood by-pass ditch. This ditch and the St Lawrence drainage ditch were the cause of much flooding twice in 2019 to the residents of Forest Cove.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
33 IV	Brookins	8/13/2020	Public Meeting Comment	Status of additional gates at Lake Houston? Dam?	Jing Chen sent Adam Eaton's response on 10/1/20 - The Lake Houston Dam Spillway Improvement project is currently in the engineering analysis and design phase. The construction schedule will depend on the level of permitting required through the Army Corps of Engineers and FEMA. Permitting requirements are being coordinated with both entities.
35 Rus:	ell Clinton	8/13/2020	Public Meeting Comment	My name is Russell Clinton. I'm inquiring why the use of Lake Conroe to hold it at flood stage until the tributaries downstream and Lake Houston is not part of the plan. I submitted an analysis two weeks ago which shows that the draw down of Lake Conroe by 5 ft prior to and subsequent to the Lake Houston and downstream flooding, was one of the major causes. I wondered why they couldn't be held. I know it's not a flood retention basin why it couldn't be held at 5 feet until the downstream tributaries have crested including Lake Houston and also whether an analysis of the bridges on 59 West Lake Houston Parkway and FM 1960 G or adequate to pass flood star search during major events.	Adam Eaton has drafted a response with input from SJRA and HCFCD that was sent to Mr. Clinton on 9/18/20. Additional response from CoH: The project partners have provided a response to your inquiry. Joint operations are being considered under the Lake Houston project, and funding opportunities are being explored to complete additional study of this issue.
36 Mark	Adams	8/13/2020	Public Meeting Comment	The Elm Grove Village flooding disaster made local and national news. You need to update the residents of Elm Grove who have suffered losses and not brush this off as a localized issue.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
37 Susann	Allen	8/13/2020	Public Meeting Comment	You mentioned that the slides and transcript will be available on "The Website" Can you please clarify exactly where and possibly the link to view those? Thank You	Jing Chen response email 10/2/20: The meeting presentation and video will be posted to the project webpage. https://www.hcfcd.org/Find-Your- Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
38 Dave	Baldwin	8/13/2020	Public Meeting Comment	It is well known that the overflow into Clear Creek is due to huge runoff from Waller County thru Mound Creek. Why can't that runoff be diverted into the Brazos River which has huge capacity to accept the runoff? Don't say its against State Law. Exceptions were made for the Trinity basin transfer to San Jacinto basin through Luce Bayou project. Brazos basin will be transferred to San Jacinto basin via the new Allen's Creek Reservoir. Diversion to Brazos of overflow runoff is technically feasible; much cheaper than tunnels etc., and quicker than all other options and is a final solution to the massive problem of flooding in the Clear Creek watershed; the largest in the County.	Jing Chen response email 10/2/20: Cypress Creek. historically been looked at, found not feasible. From the 2015 Cypress Creek Mgt Plan. "A number of concepts were initially identified and introduced. Structural concepts included conveyance measures that collect and convey the overflow downstream, levee measures that maintain the overflow in the Cypress Creek watershed, diversion measures that divert a portion of Cypress Creek flows to the Brazos River watershed, and storage measures that collect and store the overflow until it can be safely released. Nonstructural concepts involved acquisition and preservation of land subject to the overflow, along with various policy measures to address development in the overflow and/or to protect the Addicks Reservoir. Most of these were carried forward for further consideration; however, the levee along the watershed divide and the diversion to the Brazos River were omitted due to concerns with public acceptability and permitting." https://www.hcfcd.org/Find-Your-Watershed/Cypress-Creek/Cypress-Creek-Overflow-Management-Plan

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#	Name: First	Name: Last	Comment Da	te Input Type	Comments	Inquiry Response
39	Jill	Boullion	8/13/2020	Public Meeting Comment	Were nature based projects considered? If yes, which nature-based projects were considered and how did you assess them?	Jing Chen response email 10/2/20: The SJMDP identifies 16 projects (10 potential stormwater detention basins, or dry dams, and 6 potential channel conveyance improvement locations) in the Spring Creek, Lake Creek, West Fork San Jacinto River, Caney Creek, Peach Creek and East Fork San Jacinto River watersheds that could be implemented to reduce vulnerability to flooding and improve watershed resilience. These generally consist of large stormwater detention facilities (or dry dams) along the mainstem or tributary of one of the studied streams and locations for channel improvements of the various streams. The detention facilities will maintain their natural state of terrain and the channelization projects will implement natural design elements. Additional opportunities to consider natural features will be considered during the later project development phase, where each project will be looked at in significant detail to determine the final configuration, costs, benefits, and timeline.
40	James	Bowen	8/13/2020	Public Meeting Comment	Please give an update on the project to add more gates on Lake Houston and talk about how completion can be accelerated. Thanks	Jing Chen sent Adam Eaton's response on 10/1/20 - The Lake Houston Dam Spillway Improvement project is currently in the engineering analysis and design phase. The construction schedule will depend on the level of permitting required through the Army Corps of Engineers and FEMA. Permitting requirements are being coordinated with both entities. The consultant is expediting the design process where feasible, but the overall schedule is dependent on permitting requirements on permitting requirements.
41	Christopher	Boyer	8/13/2020	Public Meeting Comment	Will you be investigating the use of EMPG and LHMP grant funding for the projects ?	Jing Chen 10/2/20 email response: Harris County Flood Control District has been utilizing grant funding for home buyouts within the county. Grant funding will make up a large portion of upcoming SJMDP implementation, which will rely on watershed communities and the regional flood planning group currently in formation to apply for funding and execute projects.
42	Christopher	Boyer	8/13/2020	Public Meeting Comment	Thanks	Thank you for your feedback. Please visit www.hcfcd.org to remain updated about ongoing Flood Control District studies and projects.
43	Randy	Braud	8/13/2020	-	I am very concerned about Commissioner Ellis's comments on "equity". Shouldn't flood remediation projects be based on need ? Everyone pays taxes and should not be discriminated against for political purposes. Flooding doesn't differentiate between low income and other income levels.	Jing Chen response email 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
44	Randy	Braud	8/13/2020	Public Meeting Comment	How much of a factor did the release of water from Lake Conroe contribute to the flooding of the Kingwood area ?	Jing Chen's 10/1/20 email response - The SJMDP/San Jac study team generated data for the creation of a pie chart showing approximate volume percentages from Lake Conroe and other sources to Lake Houston during a 100-year rainfall event, which we believe can shed some light on your question.
45	Thomas	Broad	8/13/2020	Public Meeting Comment	Thank you for tonight's presentation. Very informative. We look forward to the Kingwood Feasibility Study meeting. And the Atascocita study. Thomas Broad, Trustee, Lake Houston Redevelopment Authority	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
46	Katherine	Brown	8/13/2020	Public Meeting Comment	What was just done to the Lake Houston Dam and will that positively impact the lakes ability to retain and/or dump water in disasters?	The Lake Houston Dam Rehabilitation Project was completed to improve the sliding stability of the dam. Two downstream weirs were elevated by seven feet to increase the amount of water held in the hearth structure. In addition, a training wall and modified splitter wall were installed to improve the hydraulic efficiency of the structure. These improvements do not have an impact on the discharge capacity of the dam.
47	Ken	Buxton	8/13/2020	Public Meeting Comment	Can we get copies or make copies of the maps and charts used tonight. Maybe they can be copied from the web page.	Jing Chen response email 10/2/20: The meeting presentation and video will be posted to the project webpage. https://www.hcfcd.org/Find-Your- Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
48	Terry	Robinson	7/28/2020	Phone	Terry Robinson received Ms. Cambio's call. He stated the following: "I received a wonderful phone call from Ms. Kaaren Cambio regarding our issues. Ms. Cambio is pleading for all of us, and everyone in our neighborhood, to go to www.sanjacstudy.org and register our complaints. The website has wonderful information and Ms. Cambio stated that this is the direction that will give us a larger voice. Please don't hesitate and let's get the word out to everyone."	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
49	CAROLYN	CAROTHERS	8/13/2020	Public Meeting Comment	Have any bond measures or funds been approved for this project? Are construction plans finalized?	Jing Chen response email 10/2/20: As projects move forward, there may be opportunities to leverage multiple funding sources, including through federal and state grant programs. The study team will consider various funding sources. Each grant program may have differing procurement and administrative, as well as environmental requirements. Evaluation of funding opportunities and applications for specific grants or other sources will be conducted during the implementation planning. Another option is to fund projects through local sources. These could include local tax revenue, bond funding, special purpose districts or other mechanism. Given the estimated costs of these projects, partnerships among the local jurisdictions who benefit are recommended. Construction will be completed in Phase 2 of the project. Please note that a majority of the proposed projects are located outside of Harris County boundaries. For ongoing projects within Cypress, Willow, Spring, Luce and Jackson watersheds within Harris County, please refere to HCFCD bond pages for the respective watersheds by visiting https://www.hcfcd.org/Resilience

#	Name: Firs	t Name: Last	Comment Dat	e Input Type	Comments	Inquiry Response
50	Timothy	Clapp	8/13/2020	Public Meeting Comment	Will you be addressing the ditches that are causing drainage issues/safety hazards in the Commons neighborhood of Lake Houston?	Jing Chen response email 10/2/20: Yes, HCFCD is in constant coordiantion with Harris County Precinct Two to address ditch maintenance issues as the need arises.
51	Russell	Clinton	8/13/2020	Public Meeting Comment	I submitted an analysis of the draw down of Lake Conroe by 5 feet (twice the surface area of lake Houston) the day before Lake Houston flooded. This was a major contributor to the Kingwood flood and I asked why no operating procedure has been established to hold Lake Conroe at flood stage until Lake Houston crests in the future???	Adam Eaton has drafted a response with input from SJRA and HCFCD that was sent to Mr. Clinton on 9/18/20. Additional response from CoH: The project partners have provided a response to your inquiry. Joint operations are being considered under the Lake Hou
52	Lee	Danner	8/13/2020	Public Meeting Comment	What can be done to either reduce the poorly designed / constructed sand pits? And can we hold them responsible for the massive quantities of sand now in Lake Houston from the failed pits.	Jing Chen response email 10/2/20: Regulatory issues regarding sand mines are managed by the TCEQ. SJRA is currently conducting a sand trap conceptual design along the West Fork, results forthcoming. SJRA is also currently seeking grant funding to perform a regional sedimentation study covering the entire Upper San Jacinto River Basin.
53	Carol	Dejean	8/13/2020	Public Meeting Comment	We are located in a flood plain area near Lake Livingston and yet looking at the map for short and long term projects along Greens Bayou, in which many of our residents were flooded out, is not included in receiving funds for Flood Reduction Detention.	Jing Chen response email 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration. Please note various HCFCD bond and maintenace projects are ongoing in your area, to learn more, visit https://www.hcfcd.org/Resilience and https://www.hcfcd.org/Recovery
54	Carol	Deshawn	8/13/2020	Public Meeting Comment	Yes, this is Carol Deshawn. And I was just tuning in to the virtual meeting looking at the map for the extension project. My area did not receive any funds. Those of us that's coming from Lake Houston area. And all residents around the green value East Mount Houston and I, would like to know why our area was overlooked because we are in minority neighborhoods and yet for Hurricane Harvey a lot of the residents' home flooded out and did not return because of the high cost of flood insurance. If you would like to reach me 281-454-6306 and that's not home number. Thank you.	Jing Chen response email 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration. Please note various HCFCD bond and maintenace projects are ongoing in your area, to learn more, visit https://www.hcfcd.org/Resilience and https://www.hcfcd.org/Recovery
55	William	Dwyer	8/13/2020	Public Meeting Comment	The SJRA funded FNI study shows the Lake Conroe Seasonal Lowering provides no benefit in preventing downstream flooding. You just pointed out that the West Fork was 1 of 3 major contributors to dumping sediment into Lake Houston. So why are you still forcing Lake Conroe to seasonally lower the lake when you know it is hurting Lake Houston and costing lots of money to remove the sediment????????????????????????????????????	Jing Chen sent Matt Barrett's response on 10/1/20: 1. The FNI study shows a 9-inch reduction at I-45 during a 100-year storm event when Lake Conroe is two feet below conservation pool. Although not substantial, there is benefit to downstream communities from the seasonal lake lowering initiative. 2. Seasonal release rates from Lake Conroe are very low (typically less than 1000 cubic feet per second). Sediment is typically transported in large volumes during major flows along the river. By comparison, inflows into Lake Houston during Hurricane Harvey at estimated at over 400,000 cubic feet per second.
56	William	Dwyer	8/13/2020	Public Meeting Comment	So why are you still forcing Lake Conroe to seasonally lower the lake when you know it is hurting Lake Houston and costing lots of money to remove the sediment????????????????????????????????????	Jing Chen sent Matt Barrett's response on 10/1/20: Seasonal release rates from Lake Conroe are very low (typically less than 1000 cubic feet per second). Sediment is typically transported in large volumes during major flows along the river. By comparison, inflows into Lake Houston during Hurricane Harvey at estimated at over 400,000 cubic feet per second.
57	William	Dwyer	8/13/2020	Public Meeting Comment	Explain why you are paying for studies and not following its recommendations as in the SJRA funded FNI study?????	Jing Chen sent Matt Barrett's response on 10/1/20: The FNI study shows a 9-inch reduction at I-45 during a 100-year storm event when Lake Conroe is two feet below conservation pool. Although not substantial, there is benefit to downstream communities from the seasonal lake lowering initiative.
58	Mark	Edwards	8/13/2020	Public Meeting Comment	Is there a government agency monitoring the new Hwy 99 construction to ensure additional flooding is controlled after completion?	Jing Chen response email 10/2/20: Please contact TxDOT at https://www.txdot.gov/inside-txdot/projects/studies/houston/sh99-grand-parkway.html
59	Paul	Eschenfelder	8/13/2020	Public Meeting Comment	Where can we get a copy of this presentation?	Jing Chen response email 10/2/20: The meeting presentation and video will be posted to the project webpage. https://www.hcfcd.org/Find-Your- Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
60	Neil	Gaynor	8/13/2020	Public Meeting Comment	How will the SJMDP integrate impacts of further residential and commercial development in watersheds of the San Jacinto River basin? Subsidence due to groundwater pumping may change the hydraulic and hydrologic characteristics of drainage systems. What are the plans to assess the impacts of subsidence?	Jing Chen response email 10/2/20: As development within the San Jacinto River watershed continues, counties and municipalities should consider enforcing common drainage criteria that limit post-development runoff rates to pre development runoff rates to protect downstream properties. Enforcing these local detention policies provides a significant local benefit to neighboring properties that could otherwise be harmed by more frequent flooding. Subsidence related questions can be directed to HGSD at https://hgsubsidence.org/
61	John	Graziano	8/13/2020	Public Meeting Comment	How will you protect private property rights?	Jing Chen response email 10/2/20: In most jurisdictions, a property acquisition process is legally required and closely regulated that needs to take place before a project can begin.
62	Asdrubal "Di	ruGutierrez	8/13/2020	Public Meeting Comment	Is the Atascocita area still slated for a portion of the 2018 Bond? Which tier are we in? I know you guys have consolidated some projects.	Jing Chen sent email response 10/9/20 - consolidation was for duplicated projects, F-15 (\$10M) slated to begin in fourth quartile - mid to late 2021
63	Larry Peters	Hagen	8/13/2020	Public Meeting Comment	Hello, my name is Larry Peters Hagen. I'm asking how this study will impact the protocol for lake level of Lake Conroe.	The SJMDP does not address operations at Lake Conroe. Lake Conroe is a water supply reservoir with the purpose of providing water to the region, and therefore the lake must be kept as full as possible to meet its intended purpose.
64	Rudy	Hanselka	8/13/2020	Public Meeting Comment	On the contribution of flow slide, the arrow existing at Lake Houston shows to be orders of magnitude greater than that exiting Lake Conroe, yet the dam capacities suggest just the opposite. Can you explain?	Jing Chen sent Matt Barrett's response on 10/1/20: Your understanding of the arrows is correct. The amount of water flowing into and therefore exiting Lake Houston is much greater than that exiting Lake Conroe given the comparative sizes of the contributing watersheds. Lake Conroe has tainter gates which allow for more control over lake level and release volumes, as opposed to Lake Houston which relies on an uncontrolled spillway over which water must flow to exit the lake.
65	Meville	Hedges	8/13/2020	Public Meeting Comment	Have you taken into consideration the nature trail that runs along Spring Creek with your design? This trail is very popular among biking and hiking enthusiasts. I would imagine if it gets removed or damaged it will have a major backlash on the project. I would urge your team to investigate this matter thoroughly before breaking ground.	Jing Chen response email 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration. We're currently in feasiblility phase. These input will be helpful for the design and construction phase, which will take place after lead agencies are formalized and funding identified, at that time, projects can move forward. Similar comments and inputs will be incorporated into later implementation phases.

#	Name: Firs	st Name: Last	Comment Date	Input Type	Comments	Inquiry Response
66	Janice	Henslee	8/13/2020	Public Meeting Comment	Luce bayou area drainage has changed. Since the canal for moving water from Lake Livingston has been construction. Half off Huffman now floods that didn't . Please look into this. Thank you.	Jing Chen sent 10/1/20 email to Huffman F-110 team (Beth, Alvin, Connor, Rachel) for incorporation into the F-110 database and respond as they see fit.
67	Don	Hickey	8/13/2020	Public Meeting Comment	What are the major sources of funding that have been identified for these projects and what portion of the projects could be developed from this funding?	Jing Chen response email 10/2/20: As projects move forward, there may be opportunities to leverage multiple funding sources, including through federal and state grant programs. The study team will consider various funding sources. Each grant program may have differing procurement and administrative, as well as environmental requirements. Evaluation of funding opportunities and applications for specific grants or other sources will be conducted during the implementation planning. Another option is to fund projects through local sources. These could include local tax revenue, bond funding, special purpose districts or other mechanism. Given the estimated costs of these projects, partnerships among the local jurisdictions who benefit are recommended.
68	Don	Hickey	8/13/2020	Public Meeting Comment	Are these projects likely to be prioritized?	Jing Chen response email 10/2/20: The study partners evaluated several metrics to be considered in the ranking of the projects. The metrics considered are as follows: historical damages, predicted damages, the reduction in structural flooding instances over a 50-year period, the number of structures with reduced flood risk during the 1 percent ACE storm, the benefit-to-cost ratio of the project, the improvement to roadway mobility, benefits to socially vulnerable areas, benefits to low-to-moderate income areas, and project cost. While the projects have been ranked for this study, the Regional Flood Planning Group may consider prioritizing the projects based on the ranking.
69	Don	Hickey	8/13/2020	Public Meeting Comment	Will the projects be prioritized by a cost/benefit ratio and do all of these projects have a positive cost/benefit ratio?	Jing Chen response email 10/2/20: The study partners evaluated several metrics to be considered in the ranking of the projects. The metrics considered are as follows: historical damages, predicted damages, the reduction in structural flooding instances over a 50-year period, the number of structures with reduced flood risk during the 1 percent ACE storm, the benefit-to-cost ratio of the project, the improvement to roadway mobility, benefits to socially vulnerable areas, benefits to low-to-moderate income areas, and project cost. While the projects have been ranked for this study, the Regional Flood Planning Group may consider prioritizing the projects based on the ranking. The Benefit/Cost Ratios for the projects have been estimated for this planning effort. In general, the ratios are less than one.
70	Arianda	Hicks	8/13/2020	Public Meeting Comment	Question: because these watersheds are in various counties/cities, is there a plan in place to ensure all counties/cities cooperate in regards to mitigation, for example, some cities are allowing new construction in the floodway and floodplain, which defeats the purpose of all the mitigation	Jing Chen response email 10/2/20: Yes. The next steps in the study are: • Submitting this study to the new Regional Flood Planning Group (RFPG) led by the Texas Water Development Board to set both short-term and long-term goals for inclusion in the Texas State Flood Plan. • Identifying a Regional Facilitator as part of the RFPG to coordinate flood mitigation projects, policy, and procedures. • Coordination among the study partners and other stakeholders to develop common drainage criteria for hydrology, detention, and floodplain analysis. • Installing rainfall, stage, and discharge gages to enhance the existing flood warning capabilities. • Continuing a coordinated response among emergency managers during flood events and implementing the recommended improvements for communication, flood monitoring, and public education. • Continue to buy out structures that are repeatedly flooded. • Re-mapping the floodplain within the basin for Atlas 14 rainfall consistency and accuracy of existing flood hazards. • Developing watershed protection studies for the tributaries into the major streams to identify the flood risk and assess potential flood mitigation strategies beyond the mainstem.
71	Arianda	Hicks	8/13/2020	-	Question: has there been considerations to add drainage systems to neighborhoods that don't have a drainage system	Jing Chen response email 10/2/20: Yes. There are currently other studies that are ongoing by Harris County Flood Control District and others to address flooding along neighborhood drainage systems.
72	Arianda	Hicks	8/13/2020	-	Question: has there ever been maintenance performed on these watersheds, like the dredging - if not, why not?	Jing Chen sent email response 10/1/20: Harris County Flood Control District carries out ongoing maintenance projects, please refer to https://www.hcfcd.org/Recovery for informaiton in your area. City of Houston and the USACE have been engaged in some dredging activities in/near Lake Houston, please refer to their respective websites for ongoing info.
73	Arianda	Hicks	8/13/2020	Public Meeting Comment	Question: is there anything, we the consumer can help with? For example, volunteering on committees	Jing Chen response email 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
74	Joe	Kullman	8/13/2020	-	Excuse my ignorance, but with all these improvements to channels, if you put more water into Lake Houston than you take out, won't you flood? In other words or corrections to the Lake Houston dam enough to remove the excess water from this enormous watershed?	Jing Chen response email 10/2/20: HCFCD requires all projects to mitigate potential negative impacts to downstream communities. The combined projects that include detention and channelization improvements, will reduce flooding on the West Fork and the East Fork which will in turn reduce peak flows into Lake Houston during the height of a watershed-wide rain event. Current efforts are underway to evaluate improvements to the Lake Houston Dam that will further reduce flood risk on Lake Houston.

San Jacinto Master Drainage Plan

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75	Joe	Kullman	8/13/2020	Public Meeting Comment	I am most interested in plans and schedule for adjustments to the Kingwood by-pass ditch. This ditch and the St. Lawrence drainage ditch were the cause of much flooding twice in 2019 to the residents of Forest Cove.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
76	Joe	Kullman	8/13/2020	Public Meeting Comment	I have joined the meeting due to my interest in the Kingwood bypass ditch that floods Forest Cove.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
77	Joe	Kullman	8/13/2020	Public Meeting Comment	If the study is going to include correction of local flood issues such as the Kingwood by-pass ditch then I want to hear. Otherwise I have other work to do.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
78	Dianne	Lansden	8/13/2020	-	If this Master Plan does not have anything to do with Ellis and Garcia and Hidalgo equity plans, why was Ellis allowed to introduce the evening's presentation?	Jing Chen email response 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
79	Dianne	Lansden	8/13/2020	Public Meeting Comment	Shouldn't flood mitigation funds from the Flood Bond of 2018 be directed to areas that received the most damage and to areas that had lives endangered over and above Commissioner Ellis' equity definitions?	Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
80	Dianne	Lansden	8/13/2020	Public Meeting Comment	Have you addressed the issue of sand mines along the West Fork and the impact these mines have on flooding?	Jing Chen email response 10/2/20: The SJMDP has recommended a watershed-wide regional sediment analysis done. SJRA has taken the leadership to apply for grant funding to take a holistic look at sediment issues in the watersehd. Once funding is available, the impacts of streambank erosions and various other factors will become more clear. in the mean time, SJRA and HCFCD are jointly funding a sandtrap conceptual design project along the West Fork.
81	Dianne	Lansden	8/13/2020	Public Meeting Comment	How does a community get representation on the Regional Flood Planning Group?	Jing Chen email response 10/2/20: Please refer to TWDB website for info https://www.twdb.texas.gov/waterplanning/rwp/regions/index.asp
84	Becky	Martinez	8/13/2020	Public Meeting Comment	Bayou Land Conservancy (BLC) has many conservation easements in places where proposed projects are shown. Not only are these tied to federal wetlands mitigation, but they also provide much-loved recreation spaces managed by multiple partners. If it hasn't already, BLC suggests that the study take into account the implications of impact to these existing conservation easement areas.	Jing Chen responded 10/2/20 - Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
85	William L	McCabe	8/13/2020	Public Meeting Comment	What will your approach be to the sediment caused by sand mining on the San Jacinto River?	Jing Chen response email 10/2/20: SJRA is currently conducting a sand trap conceptual design along the West Fork, results forthcoming. SJRA is also currently seeking grant funding to perform a regional sedimentation study covering the entire Upper San Jacinto River Basin.
86	Brenda	McNeil	8/13/2020	Public Meeting Comment	The projects that you are proposing appears to further impact the Sheldon ISD area (E. Sam Houston Pkwy & E. Tidwell Rd). The map you presented showing the flow of water into Lake Houston is very concerning. This area badly flooded during Allison & Harvey. During each storm when the Lake Houston Dam was open, within the hour the water rose significantly in this area. Some residence was flooded again during Imelda. How will this impact the Sheldon area? Did HCFCD even consider the impact this would have in this area?	Jing Chen response email 10/2/20:This information will be taken into consideration. HCFCD requires all projects to mitigate potential negative impacts to downstream communities. The combined projects that include detention and channelization improvements, will reduce flooding on the West Fork and the East Fork which will in turn reduce peak flows into Lake Houston during the height of a watershed-wide rain event. Current efforts are underway to evaluate improvements to the Lake Houston Dam that will further reduce flood risk on Lake Houston, which also looks at minimizing impacts downstreams.
87	Jeff	Miller	8/13/2020	Public Meeting Comment	When will Taylor Gully be expanded to handle the added run off from developments like North Kingwood Forest and Woodridge Forest that were not there when it was first designed?	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.

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88	Jeff	Miller	8/13/2020	Public Meeting Comment	The culvert on the Taylor Gully at Rustling Elms restricts/chokes water flow during extreme rain events. This backing up of storm water has occurred at least 3 times in the past 3 yrs. in which the water ran on top of Rustling Elms street and flowed water into homes in that vicinity. This is the only culvert on the Taylor Gully all through to New Caney Creek	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
89	Douglas	Miller	8/13/2020	Public Meeting Comment	Thank you	Thank you for your feedback. Please visit www.hcfcd.org to remain updated about ongoing Flood Control District studies and projects.
90	Sherri	Moore	8/13/2020	-	Where is information on the proposed additional gates to add to the Lake Houston dam? When will these be added?	Jing Chen sent Adam Eaton's response on 10/1/20: Information for the Lake Houston Dam Spillway Improvement project is available on Houston Public Works' Drainage Studies Site https://www.publicworks.houstontx.gov/houston-drainage-studies and the City Recovery Office website https://www.houstontx.gov/mayor/cro-fema-grants/lake-houston.pdf. Information will be added to these sites as the project progresses. The schedule for constructing the improvements is dependent on environmental permitting and clearance processes through the Army Corps of Engineers and FEMA. These processes are currently being coordinated with both agencies in an effort to expedite as much as possible.
91	Stan	Muckenthaler		-	Regarding vegetation growth in channels, is the property owner responsible for keeping that under control to allow uninterrupted flow? Or if not, who? Given your interest in community engagement, how can I get questions answered if there is not sufficient time to answer them tonight?	Jing Chen response email 10/2/20:HCFCD owns and has access to limited extents along open channels and bayous thorugh easements and right of way. Many of those easements were dedicated to other public entities or the HOA, when in doubt, please check your land survey or deed. Wherever the District does not have access to or ownership of, the private property owners can and should carry out maintenance activities. If there are specific questions, please contact the district's Citizen Service Center Hotline - 713-684-4197. Though the SJMDP study portion is scheduled to conclude in the Fall of 2020, comments are welcomed for the continuation of the study. For more information about the study and to provide comments, or to join the mailing list, visit https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
92	Stan	Muckenthaler	8/13/2020	Public Meeting Comment	Regarding funding, how does the local contribution work? Who approves what money spent and would there be a vote for any additional funds / taxes from San Jac residents?	Jing Chen response email 10/2/20:As projects move forward, there may be opportunities to leverage multiple funding sources, including through federal and state grant programs. The study team will consider various funding sources. Each grant program may have differing procurement, administrative, and environmental requirements. Evaluation of funding opportunities and applications for specific grants or other sources will be conducted during implementation planning. Another option is to fund projects through local sources. These could include local tax revenue, bond funding, special purpose districts, or other mechanisms. Given the estimated costs of these projects, partnerships among the local jurisdictions who benefit are recommended.
93	David	Nock	8/31/2020	Public Meeting Comment	It is my understanding that you represent the San Jacinto River Authority in the study group that developed the SJMDP. I am a resident of Montgomery county in The Woodlands near Spring Creek, and I wish to offer some comments regarding two of the proposed projects contained in the SJMDP: the Spring I-45 Channelization and the Spring Woodlands Channelization. These projects lie along Spring Creek where the Spring Creek Greenway is located. The Greenway, which extends for nearly 35 miles along the creek, is championed by both Harris and Montgomery counties. It is a valuable ecosystem with extensive paved and natural trails that have been built and maintained by the two counties over many years, supported by donations and many hours of community volunteers. The Greenway provides important natural outdoor recreation space that is both unique and irreplaceable in this area. Both projects appear to threaten significant portions of this vital community asset. The proposed detention basins and dams that form the basis for these projects appear to be large-scale and would require permanent destruction of large natural areas. Inevitably this would have a negative impact on our ability to enjoy nature within our own community. I urge you to consider alternative non-destructive flood mitigation projects that will preserve these lands for us and for future generations. Sincerely, David Nock 19 Meadow Rose PI. The Woodlands, TX 77382	See Matt Barrett SJRA 8/31/20 email response: Good afternoon, Mr. Nock. Thank you very much for your interest in the ongoing and potential future projects and for providing input. It is anticipated that each project recommended in the master plan will involve a substantial environmental component, including potential mitigation of project impacts. I would also anticipate that each project will involve opportunities for formal public comment, and would encourage you to participate in those opportunities and provide your concerns there once again. Finally, I will pass your email along to the rest of the study partners so that they see your concerns as well. Thank you again for your interest and please don't hesitate to give me a call (936-588-7177) if you have any further questions or would like to discuss any of the potential future projects recommended in the master plan.
94	Richard	Payne	8/13/2020	Public Meeting Comment	Can we get a copy of the presentations?	Jing Chen response email 10/2/20:The meeting presentation and video are posted to the project webpage. https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study

San Jacinto Master Drainage Plan

#	Name: First	Name: Last	Comment Dat	te Input Type	Comments	Inquiry Response
95	Pam	Pearson	8/13/2020	Public Meeting Comment	Since Lake Houston watershed funnels a tremendous amount of water to the bottom of the funnel - including Kingwood, Humble, and Porter - why is the Kingwood channel project placed at #10 on the list? I also noticed it is the costliest of the projects. Please, can you clarify regarding timing, benefits, and cost of this project?	Jing Chen response email 10/2/20: The study team considered a variety of project scoring criteria to make this a regional plan. We looked at historical flood claims as well as flood damages identified in our modeling. We also gave significant value to the flood reduction benefits, such as how many homes can be protected from flooding. The study team also looked at costs and possible funding sources for the projects. In addition, we looked at social factors, such as low to moderate income areas, to ensure we were providing access to flood reduction for all areas in the region. Using these criteria, the study team scored and ranked each of the projects. This ranking sets the order for starting these projects. It is important to note that the San Jacinto plan is intended to be a living document. These rankings are based on current conditions and assumptions, but will need to be constantly reevaluated as conditions change. Another important consideration is that the ranking does not lock any given project into that order. Factors such as funding opportunities, different project champions, and changing needs in the watershed make it likely that the order will change throughout the life of the plan.
96	Katherine	Persson	8/13/2020	Public Meeting Comment	Great informational presentation! I hope visioning considers on-going and planned development north of New Caney and other communities that will ultimately impact flood mitigation. While this study, mostly funded by FEMA, looks at the current state, long-term planning should bring in future development plans.	Jing Chen response email 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration by the regional partners.
97	Diana	Philpot	8/13/2020	Public Meeting Comment	What measures will this plan include to ensure the integrity of the Bayou Land Conservancy's Spring Creek Nature Trail? This very popular trail is a wild and natural oasis in an increasingly urbanized region. Its 14 miles of natural-surface trail, which is enjoyed by mountain bikers, bird watchers, hikers, dog walkers, runners, and families with small children, currently runs along the creek from Burroughs Park to near I-45, at times in Harris County, and at times in Montgomery County. Will this flood mitigation plan take into account the preservation of this trail and its natural setting?	Jing Chen response email 10/2/20:Study team has taken into consider of existing BLC easements and trails and will make sure documentation is in place for future implementaiton of projects to take into consideration your input.
98	Chet	Piazza	8/13/2020	Public Meeting Comment	We live in the Woodstream subdivision in Kingwood. What is being done to protect us from future flooding and the Triple PG sand mine repeat issues.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
99	Linda	Pierce	8/13/2020	Public Meeting Comment	Has any study of this scope been conducted in the past?	Jing Chen response email 10/2/20:There were previous watershed-wide studies focused on water supply in early to mid 1900s. The current regional study is the first and only modern comprehensive watershed drainage study for the upper San Jac watershed that includes state of the art modeling products that will be available to watershed communities to build upon and derive info to make drainage-related policy decisions.
100	Philip	Prine	8/13/2020	Public Meeting Comment	I missed most of the maps, but looks like the Luce Bayou project that would have stolen much of my land is no longer part of the plan, Correct?	Jing Chen sent 10/1/20 email to Huffman F-110 team (Beth, Alvin, Connor, Rachel) for incorporation into the F-110 database and respond as they see fit.
101	Philip	Prine	8/13/2020	Public Meeting Comment	Are these visuals going to be made available after the meeting. Still no video here.	Jing Chen response email 10/2/20:Yes, presentation has been posted on the study's website and the HCFCD website after the event, along with a live recording. https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
102	Philip	Prine	8/13/2020	Public Meeting Comment	Can we consider Phase 1 done? Are the projects described today moving to phase 2?	Jing Chen response email 10/2/20: The San Jacinto Regional Watershed Master Drainage Plan has completed the planning phase of finding flood mitigation solutions in the watershed. The next phases include Project Definition (2 to 5 years) and Project Construction (10+ years). Lead agencies need to be engaged and funding needs to be secured for each Phase to move the projects forward.
103	Philip	Prine	8/13/2020	Public Meeting Comment	What PHASE are you in?	Jing Chen response email 10/2/20:The San Jacinto Regional Watershed Master Drainage Plan has completed the planning phase of finding flood mitigation solutions in the watershed. The next phases include Project Definition (2 to 5 years) and Project Construction (10+ years). Lead agencies need to be engaged and funding needs to be secured for each Phase to move the projects forward.
104	Philip	Prine	8/13/2020	Public Meeting Comment	So no answers that actually matter to property owners?	Jing Chen sent 10/1/20 email to Huffman F-110 team (Beth, Alvin, Connor, Rachel) for incorporation into the F-110 database and respond as they see fit.
105	Philip	Prine	8/13/2020	Public Meeting Comment	Where do we go to find information for stakeholders on those "side" issues that effect us?	Jing Chen sent 10/1/20 email to Huffman F-110 team (Beth, Alvin, Connor, Rachel) for incorporation into the F-110 database and respond as they see fit.

#	Name: Firs	st Name: Last	Comment Date	te Input Type	Comments	Inquiry Response
106	Bob	Rehak	8/13/2020	Public Meeting Comment	Please describe the West Fork/Kingwood project you considered.	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
107	Bob	Rehak	8/13/2020	Public Meeting Comment	What's a sediment tunnel?	Once SJMDP final report is available, Appendix F Sedimentation Strategies portion will address this and other sediment-related questions looked at as part of the current effort.
109	Jim	Robertson	8/13/2020	Public Meeting Comment	Is detail on the 25 recommended projects available to be seen?	Jing Chen response email 10/2/20:Once the report is finalized and fully approved by the partners, you should be able to request a copy of the contents which will discuss the 25 proposed projects and the 16 recommended projects in detail.
110	Colleen	Rose	8/13/2020	Public Meeting Comment	This Tuesday Commissioner Court relocated flood bond money from Pct. 3&4 to Pct. 1&2, will this affect HCFCD and/or who will it affect?	Jing Chen sent response 10/9/20 - Funds were not reallocated, all bond projects voter approved and will be implemented.
111	Bernard	Ryan	8/13/2020	Public Meeting F Comment c	Please explain impact of Atlas Rainfall Data on Floodplains. We are in 0.2% Floodplain on old system. What might (approx.) that be in the new calculations using Atlas Data?	Jing Chen response email 10/2/20: NOAA Atlas 14 is a peer-reviewed publication that serves as the official government source of precipitation frequency values for the United States. NOAA Atlas 14 rainfall data is used for infrastructure design and planning activities under federal, state, and local regulations. The data is also used to help delineate flood risks, manage development in floodplains for FEMA's National Flood Insurance Program and are used to monitor precipitation observations and forecasts that can indicate flooding threats by NOAA's National Weather Service. The most recent Atlas 14 publication for this region, Volume 11, was released in September 2018 and showed significant increases in rainfall depths compared to previous studies. The study findings indicate that in general the Atlas 14 1% flood inundation extents are between the effective 1% and 0.2% ACE floodplains. The findings of this study are not intended to replace the current effective maps.
112	Bernard	Ryan	8/13/2020	Public Meeting Comment	Thank You All!	Jing Chen response email 10/2/20: Thank you for your feedback. Please visit www.hcfcd.org to remain updated about ongoing Flood Control District studies and projects.
113	Mark	Schaaf	8/14/2020	Online f Comment c	Info was great! Thanks for presenting. One follow-up regarding the comments about the Lake Houston dam additional gates and whether that was factored into the overall study: specifically, the retention pond implementation would potentially reduce damage by 42% over a 50-year period to certain at-risk areas. Does that include the impact or benefit of the new flood gates or is that without regard to the new flood gates? Thanks.	Jing Chen response email 10/2/20:The study was conducted without modification to Lake Houston structures.
114	Sue	Schmidt	8/13/2020	Public Meeting Comment	Where can I get a copy of the slides used in the presentation tonight?	Jing Chen response email 10/2/20: The meeting presentation and video are posted to the project webpage. https://www.hcfcd.org/Find-Your- Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
115	Dave	Seitzinger	8/13/2020	Public Meeting N Comment	When you say flooding does not occur due to the new gates on Lake Houston during Atlas 14, what is the actual lake level in feet above normal water level?	Jing Chen response email 10/2/20:The lake has a normal pool elevation of 42 feet above mean sea level. The Lake Houston Dam Spillway Improvement project is analyzing the amount of water that must be released in order to maintain a lake level necessary to prevent flooding around, upstream, and downstream of the lake. The analysis considers various storm events.
116	Dave	Seitzinger	8/13/2020	Public Meeting Comment	What are the current Atlas 14 flood results for the West and East Forks in their current configuration? Provide stream levels at 1960 bridge, I69 bridge, 145 bridge and 99 bridge. This will help people to understand relative to Harvey experience.	, Jing Chen response email 10/2/20:The requested information will be available in the final report. The report has tables, water surface profiles, and flood extents mapping for the Atlas 14 1% ACE event.
117	Dave	Seitzinger	8/13/2020	Public Meeting Comment	When will the full draft study be available?	Jing Chen response email 10/2/20: The study is concluded and the draft report should be available to the public in late 2020.
118	Dave	Seitzinger	8/13/2020	Public Meeting Comment	How will your Vision group coordinate charter and scope with Harris County Community Flood Resilience Task Force?	Jing Chen response email 10/2/20: This Vision group will establish a regional entity across county boundaries for continuing to cast a vision for regional project implementation and common drainage criteria throughout the basin. The group could foster collaboration to evaluate the path forward in reducing vulnerabilities to flood hazards and improve resiliency.
119	Dave	Seitzinger	8/13/2020	Public Meeting Comment	In your two Phase approach to project development from this point, when does environmental permitting take place?	Jing Chen response email 10/2/20:Currently there are no implementation timeline.
120	Bob	Shullaw	8/14/2020	Online V Comment c	Where can I find out more about the study that calculates that Harvey was not a 500-year storm, but something less than that? Frankly that scares the crap out of me!	Jing Chen response email 10/2/20: Thank you for your feedback. Please visit www.hcfcd.org to remain updated about ongoing Flood Control District studies and projects.
121	Bob	Shullaw	8/14/2020	Online Comment	Meeting last night was informative and well organized in an appropriate format. Terry Barr did a good job delivering the presentation. It was clear, concise, and easy to understand. I liked the hour length and ability to add comments following the meeting. I think you were wise to only answer high-level questions during the meeting. Your format and the technology used is a good model for similar future meetings, for San Jacinto Study and others.	Jing Chen response email 10/2/20: Thank you for your feedback. Please visit www.hcfcd.org to remain updated about ongoing Flood Control District studies and projects.

#	Name: First	Name: Last	Comment Date	Input Type	Comments	Inquiry Response
122	Bob	Shullaw	8/13/2020	Public Meeting Comment	Do I understand correctly that the number of structures and number of people affected, are the primary metric for determining project benefit, and not the cost of those structures?	Jing Chen response email 10/2/20: The study partners evaluated several metrics to be considered in the ranking of the projects. The metrics considered are as follows: historical damages, predicted damages, the reduction in structural flooding instances over a 50-year period, the number of structures with reduced flood risk during the 1 percent ACE storm, the benefit-to-cost ratio of the project, the improvement to roadway mobility, benefits to socially vulnerable areas, benefits to low-to-moderate income areas, and project cost. The highest weighting was applied to reducing flooding to structures and people.
123	Bob	Shullaw	8/13/2020	Public Meeting Comment	#10 West Fork Channel at Kingwood recommended project is nearly an order of magnitude higher cost than most of the other recommended projects \$848M. What are some of the details of that project? Why is it so much more expensive?	Jing Chen response email 10/2/20: The proposed West Fork - Kingwood Benching project consists of widening the West Fork San Jacinto River - downstream of I-69 to Lake Houston. The most significant cost is the excavation of the banks to increase channel conveyance. This project would result in a significant reduction in flood elevations between US59 and West Lake Houston Pkwy, which results in a high number of structures with reduced flood risk.
124	Suzanne	Simpson	8/13/2020	Public Meeting Comment	Please describe projects that have a natural infrastructure or floodplain preservation element.	Floodplain preservation is another important measure to prevent increased risk of flooding as the region grows. The best way to protect people and property from flooding is to avoid building in those areas. It is well known that building in the floodplain can create negative impacts upstream, and certainly downstream of the fill site. Preventing landowners from developing in the floodplain may not always be a feasible solution and the cost of acquiring ROW can be very high for public entities. The estimated property value in the 100-year floodplains in the San Jacinto Basin is between \$2-3B based on current appraisal data. The study recommends consistent policies across the various jurisdictions in the San Jacinto basin that encourage limiting development in the floodplain, acquiring floodplain property when it is available, and requiring that fill placed in the floodplain, be mitigated, so that adverse impacts can be avoided.
125	John	Stacy	8/13/2020	Public Meeting Comment	Has anyone looked into the siltation being caused by sand mines on the West Fork?	Jing Chen sent email response 10/1/20: The SJMDP team proposed mitigate strategies for sedimentation within the West Fork, also proposed a comprehensive watershed-wdie sediment management plan to be conducted utlizing USACE templates in the future. Regulatory issues regarding sand mines are managed by the TCEQ. SJRA is currently conducting a sand trap conceptual design along the West Fork, results forthcoming. SJRA is also currently seeking grant funding to perform a regional sedimentation study covering the entire Upper San Jacinto River Basin.
126	John	Stacy	8/13/2020	Public Meeting Comment	Maybe you could share some of the extensive data the consultant is speaking of? Not just three maps?	Jing Chen response email 10/2/20: The meeting presentation and video are posted to the project webpage. https://www.hcfcd.org/Find-Your- Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
127	John	Stacy	8/13/2020	Public Meeting Comment	Channel Conveyance Improvements sound like 1950 concrete ditches. We know that strategy fails. Focus on protecting wetlands and removing at risk structures from inappropriate areas.	Jing Chen response email 10/2/20: Thank you for your feedback. Your concerns are important to us and will be taken into consideration.
128	Carolyn	Stone	8/13/2020	Public Meeting Comment	Are the impacts of obstructions and construction within the San Jac River being studied or addressed as to how those conditions are effecting the water flow and experienced damages (i.e. tugs, barges, creation of waterway barge parking and changes to river bank in construction of facilities).	Jing Chen response email 10/2/20:The models developed for the SJMDP take into account future buildout conditions based on the best available data, however accounting for future obstructions or specific construction along the river would be very difficult to do not knowing specific locations or extent of obstructions or construction. SJRA is seeking grant funds to perform a regional sedimentation study with the goal of determining sediment sources and deposition areas which could potentially help predict locations of future sedimentation.
129	Michael	Sullivan	8/13/2020	Public Meeting Comment	Where can I obtain a copy of this presentation? I don't see a link on the web page. thank you.	Jing Chen response email 10/2/20:The meeting presentation and video are posted to the project webpage. https://www.hcfcd.org/Find-Your- Watershed/San-Jacinto-River/C-17-San-Jacinto-River-Watershed-Study
130	JoAnne	Taylor	8/13/2020	Public Meeting Comment	I did not see any information on the Luce Bayou area. Will there be drainage relief for this area of Huffman? Or was the clean out of the of the bayou sufficient to alleviate the area flooding?	Jing Chen sent 10/1/20 email to Huffman F-110 team (Beth, Alvin, Connor, Rachel) for incorporation into the F-110 database and respond as they see fit.
131	Robert	Vanderpool	8/13/2020	Public Meeting Comment	What is the best guess on the timeline for the first flood mitigation project to actually begin breaking ground?	Jing Chen response email 10/2/20: Long-term measures consist of the recommended projects which will take longer than five years before implementation due to funding, environmental permitting, construction time, and project constraints.
132	Robert	Vanderpool	8/13/2020	Public Meeting Comment	Are there plans to dredge the East San Jac River? If so what is the timeline for the dredging to begin? How much sediment is scheduled to be removed?	Jing Chen response email 10/2/20:There are no plans at this point to SJRA's knowledge. City of Houston may have additional information on dredging related to ongoing efforts.
133	Adam	Vento	8/13/2020	-	Will the final models be made publicly available to utilize when evaluating proposed construction within the watershed? Similar to how the HCFCD maintains the M3 service with effective models that are easily obtainable.	Jing Chen response email 10/2/20:Yes, final model will be made available to all watershed communities once deliverables are fully approved by the partners.
134	Mandy	Villarreal	8/13/2020	Public Meeting Comment	Why is the cost of the Kingwood project so high (\$848M)? And why is it #10 on the list of projects. Approximately how many years will that be to start and complete?	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.

San Jacinto Master Drainage Plan

#	Name: First	t Name: Last	Comment Date	Input Type	Comments	Inquiry Response
135	Larry	Vondrak	8/13/2020	Public Meeting Comment	Please update the Kingwood projects	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.
136	Foster	Webb	11/17/2017	Letter	Your recent comments about the flooding in Kingwood have been very interesting to me. While I realize that the problems with the San Jacinto River drainage system are complicated and involve more than just flooding in Kingwood, my comments in this letter will deal only with flood prevention in Kingwood. Please understand that I do not claim to be a flood control expert, but I do have a basic understanding of hydrology and fluid mechanics. The primary cause of flooding in Kingwood is water flowing into Lake Houston faster than it is flowing out. This may sound like an over simplification, but trust me it is not. There are a several things that can be done to prevent water from flowing into Lake Houston faster than it flows out. The items mentioned below will cost nothing. 1. Start releasing water from Lake Houston and Lake Conroe whenever heavy rain is expected. Channel 13 has five meteorologists on their staff who were predicting heavy rain for seven days before the first drop of water fell because of Harvey. The tainted gates at the Lake Houston dam will release about 20,000 cfs of water. If 20,000 cfs had been released from both Lake Houston and Lake Conroe five or six days before the rain started, it would certainly have made for a more manageable situation. 2. Never, ever release more than 30,000 cfs form Lake Conroe unless the dam is in eminent danger of failure. The 80,000 cfs release from Lake Conroe during Harvey was not only unnecessary, it was stupid and asinine. Whoever authorized that release should have their head examined! The water level of Lake Conroe would have brought the water level down much slower and avoided flooding Kingwood. 3. Your idea of permanently lowering the level of Lake Conroe is a good one. Now, let's consider another item to prevent flooding in Kingwood that will cost money. 1. Be very selective where you dredge. Remember that dredging basically protects the areas upstream for where it occurs. So, if you dredge from say the Hwy 59 birdge downstream to the main body of the lake	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near- Kingwood Members of the F-14 team are copied here, also.
137	Chanaka	Wijayasinha	8/13/2020	Public Meeting Comment	I live next to the Bridge on West Lake Houston between Kingwood and Atascocita. Will the project expend the waterway going under the bridge so the water will not back up and flood my property. I live right beside the south side of the bridge and got 5 feet of water during Harvey. What will be done to alleviate future flood of my house?	Jing Chen response email 10/2/20:Several projects have been proposed that will realize benefits in that area. However, implementation timeframe and funding are uncertain, and will require the direction from the future stakeholder group involvement, such as the forthcoming TWDB Regional Flood Planning group formation and lead agencies to seek federal and local funding matches to implement projects.
138	Gerald	Williams	8/13/2020	Public Meeting Comment	The flooding via Imelda in Kingwood were two fold: flooding due to rainfall overwhelmed street drainage systems and back flow from Lake Houston via the East Fork of the San Jacinto. Can we expect dredging of the East Fork and or routine cleaning of the storm drainage system?	Jing Chen's 10/1/20 email response - Hi all, I'd like to send a quick note on behalf of the SJMDP team, to let you know that your recent inquiries related to the Kingwood area local drainage issues sent through the SJMDP (C-17) page, the Aug SJMDP public meeting portal, or emailed to the SJMDP partners had been received and forwarded to the HCFCD Kingwood analysis team to take into consideration. The team informed me that your contact information had been saved into the stakeholder database for the F-14 project. Fyi, additional info and updates can be located here - https://www.hcfcd.org/Find-Your-Watershed/San-Jacinto-River/F-14-General-Drainage-Improvements-Near-Kingwood Members of the F-14 team are copied here, also.





San Jacinto Master Drainage Plan August 2020 Virtual Public Meeting

Appendix G Presentation and Script

SAN JACINTO Regional Watershed Master Drainage Plan

SAN JACINTO RIVER

HCFCD Bond Project ID: G103-00-00-P003 Bond ID: C-17

- Income

Virtual Public Meeting August 13, 2020









How to Participate / Meeting Overview

- Join virtual public meeting on August 13, 2020 from 6:30 p.m. 7:30 p.m.
 - Join online at PublicInput.com/SanJacMasterPlan or
 - Via phone at 855-925-2801 with Meeting Code: 9742

Meeting Overview

6:30 p.m. – 6:35 p.m. 6:35 p.m. – 7:05 p.m. 7:05 p.m. – 7:30 p.m. 7:30 p.m.

Introductions Project Presentation Virtual Q&A Session Meeting Concludes







Agenda

- Goals and Objectives
- Study Background
- Current Flooding Conditions
- Flood Mitigation Strategies
- Implementation Planning
- Questions & Answers







Goals and Objectives

- The goals of the San Jacinto Regional Watershed Master
 Drainage Plan are to
 - Prepare a comprehensive Flood Mitigation Plan
 - Identify vulnerability to flood hazards causing loss of life and property
 - Develop approach to enhance public information and flood assessment
 - Evaluate flood mitigation strategies to improve long-term resilience
- The plans specific objectives are:
 - Flood Mitigation Planning
 - Flood Assessment/Warning Planning
 - Flood Response Planning
 - Community Outreach & Education

75% HMGP Funded 25% Local Funded







SAN JACINTO RIVER

Study Background







DRAFT - 8/13/2020



DRAFT - 8/13/2020

6







By the time drainage criteria standards and floodplain maps were published in the 1990's, significant development had occurred in higher flood risk areas.

Recent Flood History











Recent Flood History











Recent Flood History



Credit: click2houston.com

10









Historically Flooded Areas



11







SÁN JACINTC RIVER

Flood Modeling











Baseline Conditions Results



Factor (t)

Flow and Volume Information







Damage Assessment



14





Flow Contribution



DRAFT - 8/13/2020

15






Damage Center Identification

Approximately \$2 Billion in expected damages over the next 50 years if no measures are implemented



JRAFT - 8/13/2020









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Flood Mitigation









DRAFT - 8/13/2020

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Flood Reduction Strategies

- Regional Detention
 - Man made impoundments that capture, hold, and release flow at a slower rate resulting in lower flood elevations downstream









Flood Reduction Strategies

- Channel Improvements
 - Excavation allows more flow capacity and lower flood elevations







Flood Reduction Recommendations







Flood Reduction Benefits













SAN JACINTO RIVER

Additional Regional Measures







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Additional Regional Measures

Detention Recommendations

- Enact consistent detention policy across jurisdictions
- Require comprehensive impact analysis

Detention Considerations

- Detention provides critical mitigation
- Future growth around current urban areas
- Runoff does not consider political boundaries











Additional Regional Measures

Floodplain Recommendations

- Common criteria for detention and floodplain analysis
- Avoid development in the floodplain where possible
- Acquire floodplain property to prevent development
- Require floodplain fill mitigation to avoid negative impacts

Floodplain Preservation

- Loss of floodplain storage can cause negative impacts
- Market value of flooded structures in the 1% ACE area ~ \$2-3B









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Buyouts

- Structures currently inundated by the 2- and 5-year storms will see benefits, but will continue to flood
- A comprehensive buyout program for frequently flooded structures is needed

Estimated buyout cost for structures currently located in the 50% and 20% ACE inundation area **~ \$190M**









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CANYO AT LEGEN

\$250k to \$500k



Flood Warning Planning

- Rainfall, Stage, and Discharge Gages
- Early warning and public information during storm events
- Received input from HCFCD, SJRA, MCO, USGS, etc.



https://www.harriscountyfws.org/

Flood Response Planning

- Other Mitigation Action Goals
 - Evaluate communications plan/protocol during emergencies
 - Identify critical infrastructure and compare to flood elevations
 - Determine expected flood frequency evacuation routes
- Conducted an Emergency Management workshop



Flood Response Planning

Recommendation

Summary

- Documentation and Staffing
- Communication
- Flood Monitoring and Protection
- Public Education

Many roads in the basin can expect to flood during a major rainfall event. **4 Evacuation**

Routes At risk for a 1% ACE event

Critical facilities such as city/county facilities, police, fire, EMS, W/WWTP, hospitals in the San Jacinto Watershed

1460

At risk of flooding during a 0.2% ACE storm

239







Sedimentation



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Sedimentation and Vegetation

- First step toward Regional Sediment Management Plan (RSM)
- Annual sediment rating curves for 7 watersheds
 - Predictive tool that relates sediment transport with stream flow
 - Cypress Creek is the highest contributor
- Inventory of sediment sources
- Common sediment management strategies









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Sedimentation and Vegetation

Findings

- USACE has removed 3% of sediment since 1954
- **Cypress Creek, Spring Creek, West Fork are highest contributors**
- Identified sediment strategies and provided recommendations
 - Traps
 - Stream restoration
 - Sand mine protection
 - **Sediment tunnels**

Next Steps

- **Complete regional sedimentation mitigation plan**
- Identify additional stream gage locations
- Feasibility study to implement sediment projects \bullet
- Additional analysis of dam hydraulics, tunnels, and stabilization







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Implementation







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Implementation

San Jacinto Regional Watershed Master Drainage Plan

🛇 Strategies

Short Term

Form Vision Group Update Policy Flood Warning Gages Flood Response Buyouts Flood Mapping Strategies

🏹 Strategies

Detention Storage Channel Improvements Floodplain Preservation Strategies

Long Term







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Short Term Strategies

- San Jacinto River Vision Group
 - Regional group that fosters collaboration among watershed entities
 - The TWDB Regional Flood Planning Group is best suited to fill this role











Long Term Strategies



LONG-TERM PROJECTS

- CANEY CREEK DETENTION AT SH105 \$208M
- 2 WALNUT CREEK DETENTION (SPRING) \$132M
- **3** SPRING CREEK CHANNEL AT IH-45 \$81M
- **WINTERS BAYOU DETENTION (E. FORK) \$167M**
- 5 CANEY CREEK DETENTION AT FM1097 \$131M
- 6 PEACH CREEK DETENTION AT SH105 \$433M
- 7 PEACH CREEK CHANNEL AT IH-69 \$161M
- 8 BIRCH CREEK DETENTION (SPRING) \$122M
- **ORIGINAL OF CANEY CREEK CHANNEL AT IH-69 \$194M**
- WEST FORK CHANNEL AT KINGWOOD \$848M
- **11** WEST FORK CHANNEL AT RIVER PLANTATION \$148M
- GARRETT'S CREEK DETENTION (LAKE) \$131M
- B WALKER CREEK DETENTION (PEACH) \$218M
- CANEY CREEK DETENTION (LAKE) \$163M
- 5 SPRING CREEK CHANNEL DC2-200 \$54M
- **6** LITTLE CANEY CREEK DETENTION (LAKE) \$128M



Scoring Metrics

- Historical Damages
- Calculated Damages
- Flood Reduction Benefits
- Benefit-Cost Ratio
- Low to Moderate Income
- Social Vulnerability
- Project Costs







Long Term









How is



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Communication and Outreach

- Communication
 - Study Partners Meetings
 - Supporting Partners Meetings
 - Executive Briefings
 - Emergency Managers Workshop
 - H-GAC Coordination
- Outreach
 - 1st Community Meeting December 2019
 - 2nd Community Meeting (Virtual) August 2020
 - Stakeholder Meetings (Jul/Aug)
 - Study Website

www.sanjacstudy.org



What is the SJMDP Study?

The San Jacinto River Regional Watershed Master Drainage Plan (SJMDP) is comprehensive regional study led by local study partners including the Harr County Fload Control Datidi, Margineny County, the City of Houston, on the San Jacinto River Authonity. As externe weather events and fload water do not recogarize injudiciational boundarias, like county and city limits, the study partners are working logather to address floading as a regional issue.

This comprehensive study developed a set of hydrologic and hydrolic (HASH) models for the micro tributories of the Upper San Jacino Kive regional watershed that will provide a technical basis as a resource for local, state, and leftend agencies to a leating hooding vehancibilities for existing instructure and impacts tiom future growth to improve fload resiliency in the **vetershed** han weblic vehancibile of the study use consider; collevier methodology and rainfall risks, regardless of the county in which fload channels are located. Round layed point by the result of this study or entimed to reduce fload rains to people and property located throughout the watershed are resulting in avia, more resilied communities.

Information developed includes non-regulatory **inundation maps** (not intendet to replace current effective maps) for the studed streams that show the extern and exph of **inversion Rooding** of the larger triers within the waterheld or a array of simulated storm events. Additionally, information was gathered about the number of structures, acres of land, properties, and miles of toadway that are located within the nodeled Roodplans.

Study Goals

The goals of the SJMDP are to: • Identify the region's vulnerabilities to flood hazards using Atlas 14, the current rainfall data developed by the National Oceanic and Atmosp Administration (NOAA);

 Develop approaches to enhance public information and flood level assessme capabilities during a flood disaster event;
 Evaluate flood missionias to improve community resilience: and

Evaluate flood mitigation strategies to improve community resilience; and
 Provide a comprehensive Flood Mitigation Plan that supports the needs and objectives of each regional partner.















Key Takeaways

Existing Vulnerability

- Lake Houston funnels flow from a 2840 sq. mi drainage area
- Flood risks are higher than shown on current FEMA flood maps; Maps need to be updated

Alternative Strategies

- Consistent detention and floodplain policy can mitigate flow increases
- Buyouts may need to be considered for some structures
- Augment the existing Flood Warning System with new gages

Flood Reduction

- There is no single solution to reduce flooding
- 16 recommended projects to decrease flood risk will take many years to implement

Implementation

- San Jacinto River Vision Group and project champions can help maintain the plan's momentum
- Implement both short and longterm strategies
- Regional collaboration is essential







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Contact Information

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- Montgomery County
 - Darren Hess | (936) 523-3901 | Darren.Hess@mctx.org

Virtual Public Meeting Instructions

There are several ways to leave a comment about this project during tonight's session or during the comment period from August 14, 2020 through August 28, 2020:

- Submit a comment at PublicInput.com/SanJacMasterPlan,
- On the Study Website at
 <u>https://sanjacstudy.org/contact-us/</u>, or
- Via phone at 855-925-2801 with Meeting Code: 9742

Any questions not addressed during tonight's Q&A will receive a response from the Flood Control District after the event. Meeting information and video will be available on:

- hcfcd.org/C17
- HCFCD YouTube Channel



Slide 3 – Introduction/Agenda

Good evening, my name is Terry Barr and I am the project director on the engineering consultant team for the San Jacinto Regional Watershed Master Drainage Plan (San Jac study). On behalf of the study partners, the Harris County Flood Control District, the San Jacinto River Authority, Montgomery County, and the City of Houston, I would like to thank you for the opportunity present to you this evening.

Tonight's presentation is intended to give you an overview of the San Jac study with a focus on the recommendations and path forward. I will first discuss the Goals and Objective of the study and then briefly discuss some study background and current flooding conditions. I will further review the various types of flood mitigation planning conducted and go over a bit of detail about the strategies. I will also be giving an update on implementation and next steps. Lastly, the study partners and I will moderate and take questions from you, the public.

Slide 4 – Goals & Objectives

The overall goal of the watershed master plan is to prepare a comprehensive Flood Mitigation Plan for the San Jacinto River Basin's major streams that will 1) identify vulnerability to flood hazards that result in loss of life and property; 2) will develop approaches to enhance public information and flood assessment capabilities during a disaster; 3) and will evaluate flood mitigation strategies that can be implemented both near-term and over the long-term to improve community resilience. In a nutshell, we want to build a plan that covers the whole watershed and identifies at our current flood risks, lays out a plan reduce that risk in the future, and looks at how we can communicate more effectively to share that information with you.

This goal will be accomplished by focusing on specific objectives, the first objective being Flood Mitigation planning, which focuses on reducing flooding or removing people from high risk areas. Flood Assessment focuses on providing real-time flood information to decision makers and the public to help them make judgments during a disaster. Another objective, Flood Response Planning, focuses on emergency management practices and flood response during a disaster. Finally, the study includes a robust communication & education effort with the public as well as with stakeholders throughout the region.

The study is 75% funded through the FEMA Hazard Mitigation Grant Program. The remaining 25% is funded by the 4 study partners.

Slide 5 – Background (Transition)

Let's start with a bit of background for of the San Jacinto River Basin.

Slide 6 – Study Area Map

The upper portion of the San Jacinto River basin included in this study encompasses nearly 2900 sq. mi., from Harris, Montgomery, and several other surrounding counties, the majority of which drains through Lake Houston. This study focuses on approximately 535 stream miles located in 11 watersheds, which are shown on the map. The study area starts at I-10 and moves upstream to the basin headwaters in five different counties. The map shows the extents of the basin, major roads, and population centers.

On average, the basin receives about 49" of rainfall annually. Unlike the lower portion that covers most of Harris County, there is significant vertical relief in the upper San Jacinto River Watershed;

approximately 450' from the headwaters in Walker County to the Houston Ship Channel downstream of I-10. With a population of roughly 1.6M in the basin, there is a diverse land use makeup consisting of rural, agricultural, forested, and urban centers.

Slide 7 – Watershed History

The Upper portion of the San Jacinto River Watershed began to grow in population, in the early 1880's with the construction of several railroads and the ensuing economic growth. Following the oil boom in the 1930's and 40's, the Houston region expanded. Lake Houston was built in 1954 to meet the water supply needs of the growing population. With this growth came increased runoff and encroachment of many of the major streams in the region.

The National Flood Insurance Act of 1968 created the National Flood Insurance Program and was intended to encourage state and local governments to constrict development of land exposed to flood hazards. FEMA flood maps were developed to identify those flood-prone areas. Construction of many of the large planned developments, such as Kingwood and the Woodlands, began in the 1970's and 80's. The first FEMA maps for the City of Houston and unincorporated Harris County came out in the early 1970's for the City of Houston and Harris County. Later updates were completed in the 1970's and 1980's. By the time drainage criteria standards and floodplain maps were published in the 1980's and 90's, much development had occurred in flood prone areas.

In the last 20 years, there has been significant attention paid to both the floodplain mapping and development criteria with the intent of reducing flood risk. Since Hurricane Harvey in 2017, that push has been further accelerated, with many communities updating development and floodplain criteria to be much more stringent. In response to this, significant floodplain modeling and mapping efforts, such as Harris County's MAAPnext program, have been initiated to provide better information about both riverine and urban flooding.

Slide 8 – Recent Flood History

Historical records in some areas go back 100-years but the last 25-years have yielded several devastating storms to the residents of the San Jacinto River basin. The October 1994 storm was the storm of record for more than 20 years. With more than 18 inches of rainfall across the watershed, the elevation in Lake Houston increased over eight feet from the normal pool elevation.

The last four years have proven to be very challenging for residents of the basin, with three major flood events causing disruption, property damage, and loss of life. The most notable of those events is, of course, Hurricane Harvey. In 2017, Harvey brought between 22 and 34 inches of rainfall across the upper region of the watershed over a 6-day period.

Slide 9 – Recent Flood History

Rivers and streams throughout the basin, experienced record inflows and elevations during the rainfall event. Every major stream in the watershed exceeded previous record flow and stage elevations. More than 8,000 structures reported flooding in Harris County and over 3,000 in Montgomery County.

Slide 10 – Recent Flood History

Since Harvey, Tropical Storm Imelda has delivered another blow to the watershed, flooding homes and businesses that, in some cases, were still recovering from Harvey. The ultimate goal of this study is to

identify measures that can improve resiliency in the San Jacinto watershed by improving flood mitigation, flood warning, and flood response.

Slide 11 – Historically Flooded Areas

This graphic shows the density of flooding reported in the upper San Jacinto basin over the last five years. As you can see, there are several identifiable flood claim concentrations in the lower portion. It should be noted that this data is based on information provided to the study team. Data was not available for all of the counties, and these concentrations generally match the development patterns in the San Jacinto basin and the study findings.

Slide 12 – Flood Modeling (Transition)

As I mentioned earlier, one of our goals was to identify vulnerability to flood hazards, causing loss of life and property. This means taking an in-depth look at the current drainage patterns using both detailed modeling and historical information.

Slide 13 – Flood Modeling

Complex flood computer models were prepared to help assess the watershed's vulnerability to flooding. The models developed, used the most current Atlas 14 rainfall data, digital terrain information, and modeling technologies to provide an understanding of the San Jacinto basin.

The study team developed a single comprehensive model of the San Jacinto Basin's major streams, the first of its kind for the region. In addition, the study team compared the models to four historical storms, including Hurricane Harvey, and made adjustments to improve the accuracy of the models and ensure a realistic representation of the river basin. Developing these models was a critical part of the planning process because it allowed the team to identify the current flood risk and set a baseline for comparison. Each flood reduction project that was considered, is measured against this baseline conditions modeling to determine if it will reduce flooding.

Slide 14 – Baseline Conditions Results

The result of the baseline conditions modeling is a significant amount of information that can be used to identify flooding locations and sources.

One set of products is the flow, volume and patterns of the basin. This information gives the team an understanding of how much runoff accumulates and where it goes. This product is used to develop flood inundation mapping and flood profiles which help us assess which buildings and structures are most vulnerable to flooding within the basin. In general, the modeling indicates that structures within or near the floodplain are at a higher flood risk than shown in the FEMA flood maps. This is largely due to having more accurate rainfall and model information.

Slide 15 – Flow Contribution

As I mentioned, the modeling helps us understand flow patterns and flow accumulation in the watershed. The arrows in this map show the direction of flow in the stream and the size of the lines represents the peak flow experienced in a major storm. A larger line indicates a higher peak flow.

The San Jacinto watershed collects runoff from a 2800 sq. mile area and funnels it through Lake Houston. Our analysis shows that flows in the downstream portions of the basin can come from several

sources. Spring Creek, the West Fork, and the East Fork receive a tremendous amount of flow from both their own watersheds as well as others upstream. For example, the East Fork also receives flow from Caney Creek and Peach Creek. These additional flows can contribute to flooding on the East Fork.

Understanding flow sources and accumulation can also help determine where potential improvement projects can make the greatest impact. With significant portions of the watershed flows coming from Spring Creek, Lake Creek, the West Fork, Peach Creek, Caney Creek and the East Fork, projects in those watersheds have higher potential for reducing flows downstream.

Slide 16 – Damage Center Identification

The first step is to identify where the highest flood risks are. The study team used the baseline modeling we just talked about to determine the number of structures that are expected to flood over the next 50 years if there are no changes. The number of potentially flooded structures, such as homes, businesses, and other facilities, vary throughout the different watersheds in the San Jacinto watershed. The team used property data and standard practices to calculate the expected damages over the next 50-years in millions of dollars. Spring Creek, the West Fork, and Cypress Creek are the watersheds with the highest expected damage numbers, which is unsurprising given that they are more developed than the other watersheds.

Using and the calculated damages I just mentioned and historical flood claim data, the team identified 48 different damage centers, which are areas where we see clusters of flooded structures for a range of flood events. Identifying these damage center areas, helped the team focus on areas and projects that have the most potential for flood reduction.

Slide 17 – Flood Mitigation Strategies

So, how do we begin to address the flood risks in the watershed? The main focus of the San Jac study was to evaluate and recommend Flood Mitigation Strategies aimed at just that.

Slide 18 – Flood Mitigation Strategies

The goal of this study is to develop flood mitigation strategies to improve long-term resilience. Flood Mitigation Planning focused on ways that we can physically reduce flooding or remove people from flood risk. Following a watershed wide approach, we identified and evaluated projects that had been previously shown in prior studies and recognized new flood reduction projects.

Flood warning planning focused on flood warning capabilities in the basin. The team coordinated with several agencies about their interest in gages and made recommendations for installation at additional locations.

Flood response planning focused on potential improvements that could be made to the current emergency management response and information available. As part of this process we coordinated with emergency management agencies about their procedures, provided some recommendations for improvements, and identified potential roadway and critical infrastructure flooding

This collection of strategies makes up the San Jacinto Regional Watershed Master Drainage Plan

Slide 19 – Flood Mitigation Strategies (Detention)

With respect to large-scale flood mitigation efforts, the focus is really on two primary approaches; detention storage and channel conveyance. Detention storage is accomplished with Regional Detention basins, which are man-made impoundments that capture runoff, hold it, and release it at a slower flow rate. This results in lower flows downstream and, subsequently, lower water surface elevations. Note that these are not lakes; they are dry detention facilities that would only hold back water during and immediately after a storm event.

Slide 20 – Flood Mitigation Strategies (Channel)

Channel conveyance increases are accomplished through channel improvements. Excavation in the channel allows for more flow capacity and lower flood elevations in the project area. Channel improvements can provide significant reductions in flood elevations in the immediate project area.

Slide 21 – Flood Reduction Recommendations

Using both of these strategies, the study team analyzed 25 separate projects across the San Jacinto River Basin. Of these, 16 were included in the long-term flood reduction plan. These are shown in red and numbered. The plan includes 10 large regional detention facilities comprising approximately 229,000 ac-ft and six channel projects covering about 38.5 stream miles.

The overall plan (based on our current cost estimates) costs between \$2.9-\$3.3B. While that is a high price tag, consider that the basin covers a few thousand sq. mi. and there is no single, simple solution that will address flooding. A series of large-scale improvements are needed to reduce the risk.

Slide 22 – Flood Reduction Benefits

If you look at flood reduction with the proposed projects, there is a 44% reduction of structures at risk of flooding in the 1% ACE, and a more than 40% reduction of those instances for 2% and 4% ACEs. Those are significant reductions. The 0.2% ACE reduction is approximately 33% but consider that the 0.2% ACE flood elevations exceed Hurricane Harvey levels by a noticeable margin. Constructing the recommended damages will reduce flood damages by more than \$756M over the next several decades.

Slide 23 – Flood Reduction Benefits

In addition, flood prone property and roads could be protected, and long-term economic benefits may result from the flood reduction. There are also substantial flood elevation reductions along major evacuation routes like I-45 and I-69 that could improve mobility during a major flood event. The map shows water surface elevation reductions at key locations across the basin after all recommended projects are implemented. You can see that many areas, including major roadways like I-45, I-69, and SH99, would see substantial reductions to the 1% annual-chance event (aka the 100-year event).

Slide 24 – Additional Regional Measures (Transition)

Beyond the structural project component of this study, we also considered regional policy. While our study **did not** perform significant analysis to provide data for the various policy components, our recommendations speak to the importance of policies such as detention and flood plain preservation.

Slide 25 – Additional Regional Measures (Detention)

It is important to note that local detention is a critical flood mitigation tool for development and capital projects. The future growth projections we used from the Texas Water Development Board and the Harris-Galveston Subsidence District, showed development expanding around the current urban centers over the next 50 years. Modeling these projected changes in development shows that detention keeps flow from increasing as development occurs.

It is important to note that drainage does not consider political boundaries. The study recommends that consistent detention policies should be implemented throughout the basin for any projects that increase flows. The study also recommends that a comprehensive impact analysis be performed for any project that might affect flows. The analysis should look beyond the property limits and as far down stream as possible. The models developed as part of this study could facilitate such an analysis all the way downstream of Lake Houston.

Slide 26 – Additional Regional Measures (Floodplain Preservation)

Floodplain preservation is another important measure to prevent increased risk of flooding as the region grows. The best way to protect people and property from flooding is to avoid building in those areas. It is well known that building in the floodplain can create negative impacts upstream, and certainly downstream of the fill site.

That being said, preventing landowners from developing in the floodplain may not always be a feasible solution and the cost of acquiring ROW can be very high for public entities. The estimated property value in the 100-year floodplains in the San Jacinto Basin is between \$2-3B based on current appraisal data. The study recommends consistent policies across the various jurisdictions in the San Jacinto basin that encourage limiting development in the floodplain, acquiring floodplain property when it is available, and requiring that fill placed in the floodplain, be mitigated, so that adverse impacts can be avoided.

Slide 27 – Buyouts

Another option is buyouts. As we were performing this study, it quickly became apparent that, while the recommended projects could provide substantial benefit, many structures will still be at risk of flooding given their location and elevations. Structures at risk from inundation during the 2- and 5-year storm events, may see a reduced frequency of flooding but will likely continue to flood.

In some cases, it is more cost-effective to buyout frequently flooded properties. Just as a point of reference, we estimate that buyout cost of structures at risk from the 2- and 5-year storms to be approximately \$190M. We certainly realize that there is more to buyouts than just the cost because these are people's homes and businesses. But a comprehensive buyout strategy that includes communication with the property owners is an important step to eliminating these flood risks.

Slide 28 – Flood Warning Planning

Flood Warning planning focused on expanding the flood warning capabilities that are already available in the San Jacinto basin. The HCFWS has a robust gage network within the county and the immediate surrounding area. SJRA has many of its own gages that are accessible through

the HCFWS as well. These include rainfall gages, elevation gages, and flow gages, all of which provide valuable information and more lead time for emergency mangers and the public to make decisions during a flood event. In addition, the Flood Warning System includes inundation mapping capabilities as shown in the graphic, which shows portions of Spring and Willow Creeks during Hurricane Harvey. The modeling developed as part of this study could be leveraged to expand inundation mapping into the San Jacinto watershed.

We met with several agencies including HCFCD, SJRA, Montgomery, and USGS. Based on their input, the team recommended 26 additional gages throughout the basin. Of those, five have already been installed or are being installed. The total estimated costs of gage installation is between \$250k and \$500k depending on the infrastructure needed to deliver the data. There could be additional gages added if local authorities have a specific need or area of concern. This is one of the many flood reduction strategies that could be accomplished in the short term.

Slide 29 – Flood Response Planning

Flood response planning included several tasks aimed at evaluating current emergency management procedures. The study team met with emergency managers from across the region and discussed their current communication protocols, both internally and with the public. We also looked at the potential for flooding of critical infrastructure and roadways, some of which are necessary evacuation routes. We also conducted a workshop with emergency managers to discuss these important topics and gain further insight into flood response needs.

Slide 30 – Flood Response Planning

What came out of the study are recommendations for improvements to: documentation and staffing, communication, both internal and with the public, flood monitoring capabilities, and public education. Our investigation of critical infrastructure focused on city and county facilities, police stations, fire and EMS stations, public works facilities like water and wastewater treatment plants, hospitals, and others. Of the 1,460 facilities that were classified as critical, 239 of them are potentially at risk from flooding during a major storm, such as Hurricane Harvey. Finally, an evaluation of roadway flooding throughout the basin looked at all types of roadways, including those classified as evacuation routes. The study findings show that four potential evacuation route crossings may be susceptible to flooding during a flood event.

Slide 31 – Sedimentation (Transition)

One additional item that was included in the study was a sedimentation and vegetation plan. This was not a comprehensive evaluation, but rather a review of existing data and recommendations for future analysis.

Slide 32 – Sedimentation

As part of the analysis, the team developed annual sediment rating curves for the seven major watersheds in the basin. This is not a comprehensive study, but a first step toward a Regional Sediment Management Plan. The study prepared an inventory of sediment sources and identified a series of common sediment management strategies to be investigated and implemented.
Slide 33 – Sedimentation

Our investigation found that the sediment has been deposited in Lake Houston since the dam was constructed in 1954. The recent United States Army Corps of Engineers dredging project has removed approximately 3% of that deposited sediment. In addition, historical stream gage data indicates that the majority of sediments are contributed by Cypress Creek, Spring Creek, and the West Fork. The report also identified nearly 50 sediment management strategies that could be employed, including sediment traps, stream restoration projects, protection of sand mines, and more. Recommendations were made for several of these sediment management strategies along the West Fork and Spring Creek.

The next step is to complete a Regional Sediment Mitigation (RSM) Plan with more detailed sediment transport and volumetric analyses, and to identify new stream gage locations to pinpoint sediment sources. For potential management strategies, feasibility studies for potential pilot projects and additional analysis of dam hydraulics, sediment tunnels and stream stabilization need to be performed.

Slide 34 – Implementation (Transition)

So how do we move these recommendations forward so that we can achieve tangible flood reduction in the basin? This is where implementation planning comes in.

Slide 35 – Implementation

The current draft implementation plan looks at both short-term and long-term strategies for flood risk reduction. Short-term strategies can be fully or partially implemented within five years. Long-term strategies will last more than five years, perhaps decades.

Slide 36 – Implementation (Short Term Strategies)

For the short-term strategies, one of the first things that should be done, is to form a San Jacinto River Vision Group, who would foster collaboration amongst the various jurisdiction and interests and maintain the momentum of the study toward implementation. With the state flood planning effort in its early stages, the Regional Flood Planning Groups are currently being formed. In the San Jacinto watershed, this group would be well suited to fulfilling the role of the vision group. The San Jac study will be submitted to the RFPG for their review and consideration once the group is formed.

Other short-term strategies include policy updates. Complimentary drainage, detention, and floodplain analysis criteria could be implemented to provide a consistent standard for development and flood mitigation in the basin.

Adding the recommended gages to the flood warning system would provide better real-time information to a wider constituency while Implementing the recommendations for flood response would help improve awareness of flood risks to the public and communication during a disaster, both internally and with the public.

Moving forward with buyouts of frequently flooded structures, would provide an immediate reduction of flood damages. Updating floodplains maps for major streams and tributaries would provide better flood risk information and help avoid risks to people and property, and the development of watershed plans for smaller tributaries will layout a path to identifying and prioritizing flood reduction projects throughout the region. There are a lot of steps that can be implemented or at least initiated in the short term.

Slide 37– Implementation (Long-term Strategies)

The implementation of long term-strategies includes the project development, design, and construction of the detention and channel improvement projects, as well as long term floodplain preservation through acquisition. But where do we start? The sixteen projects were ranked based on a variety of factors. The resulting rankings provide a good distribution of projects across the watershed, making this a truly regional plan.

Slide 38 – Implementation (Long Term Strategies

The study team considered a variety of project scoring criteria to make this a regional plan. We looked at historical flood claims as well as flood damages identified in our modeling. We also gave significant value to the flood reduction benefits, such as how many homes can be protected from flooding. The study team also looked at costs and possible funding sources for the projects. In addition, we looked at social factors, such as low to moderate income areas, to ensure we were providing access to flood reduction for all areas in the region. Using these criteria, the study team scored and ranked each of the projects. This ranking sets the order for starting these projects.

I think it is important to note that the San Jacinto plan is intended to be a living document. These rankings are based on current conditions and assumptions, but we live in an ever-changing world. These rankings will need to be constantly reevaluated as conditions change. Another important consideration is that the ranking does not lock any given project into that order. Factors such as funding opportunities, different project champions, and changing needs in the watershed make it likely that the order will change throughout the life of the plan.

Slide 39 – Implementation (Long-term Strategies)

Ultimately, the plan is to select the current top ranked projects and move forward with project development. This includes securing funding and performing detailed feasibility and preliminary engineering. The San Jac study represents an important first step in the project life cycle; planning, which lays the groundwork for future success.

The second step is project definition. The Definition Phase includes identifying the agency and consultant team to develop the projects, identifying and securing funding for the program, and additional feasibility and preliminary engineering for project specifications.

The next step is the Project Construction Phase. This includes acquiring the land and easements needed for the project, developing construction drawings, identifying and securing any environmental permitting, and project construction. Once the projects are in place, continuous operation and maintenance of each project is necessary to ensure that it continues to function as intended to provide the maximum flood reduction benefit.

Slide 40 – Implementation (Funding)

Funding is one of the most important considerations for each of the recommended projects. Each project is a significant investment and will require a number of steps in order to develop, acquire the ROW, address environmental concerns and to construct the projects. There are a variety of funding sources that could potentially be leveraged to pay for parts of each of these projects.

Federal agencies such FEMA, Housing and Urban Development, Natural Resource Conservation Service, and US Army Corps of Engineers., can provide funding through a variety of programs.

There are also potential funding sources at the State level, including the Texas Water Development Board and the General Land Office. Flood Protection Grants and the new Flood Infrastructure Fund are both available through the Water Development Board. As mentioned earlier, the State Flood Plan process is just beginning. The inclusion of this study and its recommendations in the regional plan will be a key task in making these projects available for state funding.

Local funding through general tax revenue, bond elections, or private investment through partnerships with public agencies are all options that could help push these projects forward. The graphic on the screen conveys an important message; there are a lots of funding sources that can help with many types of projects, each with their own requirements. It is important to remember that the availability and requirements of funding options may change, but preparedness is essential to successfully securing project dollars. Having a plan with specifically identified projects, costs, and benefits will allow the vision group to seize funding opportunities when they are presented.

Slide 41 – Communication and Outreach

The study initiated a robust communication and outreach effort, which included Communication with our study partners as well as the surrounding jurisdictions and Houston-Galveston Area Council (H-GAC). In addition, the study team conducted outreach efforts for the public, as well as with specific interest groups, such as tonight's presentation There is also a study website that provides general information about the study (<u>www.sanjacstudy.org</u>). As the study is completed, more information will be added to the website.

Slide 42 – Key Takeaways

We have covered a lot of ground this evening, but there are some important points that we would like you to remember as we close the presentation. With respect to existing vulnerability to flooding, Lake Houston acts like a funnel for more than 2800 square miles of the watershed, so there is a significant amount of flow passing near Spring, Humble, Kingwood, and other areas in the lower portion of the watershed. In addition, the updated modeling indicates that the flood risk is higher than is shown in the current FEMA flood maps, so remapping would be beneficial.

As it relates to reducing flooding, it is important to remember that there is no single solution to reduce flooding across the San Jacinto watershed. Each of the recommended projects will take many years to implement, but each one will provide incremental benefits. In the short term, alternative strategies to reduce flood risk include consistent detention and floodplain policy that can help mitigate flows as the region continues to grow and augmenting the existing flood warning system with new gages to expand the existing coverage and improve information to decision makers and the public.

Successful implementation of these recommendations will require that a San Jacinto River Vision group and individual project champions help maintain the momentum started by the development of this plan by working to implement both the short-term and long-term strategies recommended in the San Jac study. To make this regional plan successful, collaboration between the various agencies in the watershed is crucial.

Slide 43 – Contact Information

Once again, I would like to thank each of you for your interest and attention to tonight's presentation. As we move forward to completion of the study and into the implementation phase, we hope that you will continue to stay engaged. Your continued interaction with interest groups, public officials and elected representatives will be a key component in maintaining the momentum of the San Jacinto Regional Watershed Master Drainage Plan.