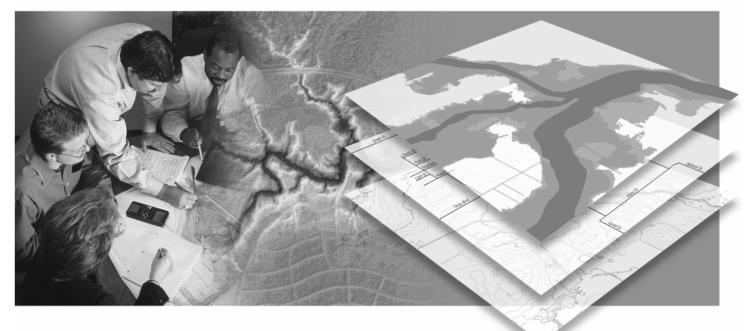
Flood Insurance Study

Harris County, Texas and Incorporated Areas VOLUME 11 of 12





COMMUNITY NAME

Baytown, City of Bellaire, City of Bunker Hill Village, City of 1 Deer Park, City of El Lago, City of Galena Park, City of Hedwig Village, City of1 Hilshire Village, City of Houston, City of Humble, City of Hunters Creek Village, City of Jacinto City, City of Jersey Village, City of La Porte, City of Missouri City, City of Morgan's Point, City of

COMMUNITY NO.

485456	3
480289	9
480290)
480293	L
485466	3
480293	3
480294	1
48029	5
480296	6
480297	7
480298	3
480299	9
480300)
485487	7
480304	1
48030	5

COMMUNITY NAME

COMMUNITY NO.

Nassau Bay, City of	485491
Pasadena, City of	480307
Pearland, City of	480077
Piney Point Village, City of	480308
Seabrook, City of	485507
Shoreacres, City of	485510
South Houston, City of	480311
Southside Place, City of	480312
Spring Valley Village, City of	480313
Stafford, City of	480233
Taylor Lake Village, City of	485513
Tomball, City of	480315
Webster, City of	485516
West University Place, City of	480318
Harris County	480287
Unincorporated Areas	

¹ No Special Flood Hazard Areas identified





REVISED: JANUARY 6, 2017 FLOOD INSURANCE STUDY NUMBER 48201CV011A

NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components. A listing of Community Map Repositories can be found on the Index Map.

This FIS was revised on January 6, 2017. Users should refer to Section 10.0, Revision Description, for further information. Section 10.0 is intended to present the most up-to-date information for specific portions of this FIS report. Therefore, users of this FIS report should be aware that the information presented in Section 10.0 supersedes information in Sections 1.0 through 9.0 of this FIS report.

This publication incorporates revisions to the original FIS.

Initial Countywide FIS Effective Date: September 28, 1990

First Revised Countywide FIS Date: September 30, 1992 – to update corporate limits; to decrease Base Flood Elevations; to update map format and roads and road names; and to incorporate previously issued letters of map amendment.

Second Revised Countywide FIS Date: November 6, 1996 – to update corporate limits, map format and roads and road names; to decrease Base Flood Elevations; and to incorporate previously issued letters of map amendment.

Third Revised Countywide FIS Date: April 20, 2000 – to update corporate limits; to add Base Flood Elevations, Special Flood Hazard Areas; to change Base Flood Elevations, Special Flood Hazard Areas, and zone designations; to add road and road names; to reflect updated topographic information; and to incorporate previously issues letters of map revision, and previously issues letters of map amendment.

Fourth Revised Countywide FIS Date: June 18, 2007 – to change Base Flood Elevations, Special Flood Hazard Areas, zone designations, and floodway; and to reflect updated topographic information.

Fifth Revised Countywide FIS Date: October 16, 2013 – to change Base Flood Elevations, Special Flood Hazard Areas, and floodway; and to incorporate previously issued letters of map revision.

Sixth Revised Countywide FIS Date: June 9, 2014 – to change Base Flood Elevations, Special Flood Hazard Areas, and floodway; and to incorporate previously issued letters of map revision.

Seventh Revised Countywide FIS Date: May 4, 2015 – to update corporate limits.

Eighth Revised Countywide FIS Date: January 6, 2017 – to change Base Flood Elevations, Special Flood Hazard Areas, zone designations, and floodway; to incorporate previously issued letters of map revision; to update the effects of wave action and road and road names; and to reflect revised shoreline and updated topographic information.

TABLE OF CONTENTS

VOLUME 1

		Page
INTE	RODUCTION	1
1.1	Purpose of Study	1
1.2	Authority and Acknowledgments	2
1.3	Coordination	3
ARE	A STUDIED	4
2.1	Scope of Study	4
2.2	Community Description	6
2.3	Principal Flood Problems	
2.4	Flood Protection Measures	
ENG	INEERING METHODS	
3.1	Hydrologic Analyses	
3.2	Hydraulic Analyses	96
3.3	Vertical Datum	
3.4	Effects of Land Subsidence	
3.5	Coastal Analyses	
	3.5.1 Storm Surge Analysis and Modeling	116
	3.5.2 Statistical Analysis	117
	3.5.3 Stillwater Elevations	118
	3.5.4 Wave Height Analysis	121
	3.5.5 Combined Probability Analysis	126
3.6	Light Detection and Ranging (LiDAR)	
3.7	Base Map	
FLO	ODPLAIN MANAGEMENT APPLICATIONS	
4.1	Floodplain Boundaries	
4.2	Floodways	134
INSU	JRANCE APPLICATION	
FLO	OD INSURANCE RATE MAP	
<u>OTH</u>	IER STUDIES	
LOC	ATION OF DATA	141
BIBI	LIOGRAPHY AND REFERENCES	

VOLUME 1 (Cont'd)

Page REVISIONS DESCRIPTIONS 10.0 145 Fifth Revision – October 16, 2013. 10.1 145 10.2 Sixth Revision – June 9, 2014. 151 Seventh Revision – May 4, 2015..... 10.3 154 Eight Revision – January 6, 2017..... 10.4 154

FIGURES

Figure 1	_	Vicinity Map	5
Figure 2	_	Stream Network Map	19
Figure 3	_	Watershed Map	22
Figure 4	_	Graph of Base Flood Discharges for 15 Urban Gaging Stations in Harris County	42
Figure 5	_	Map Coefficient C-1	46
Figure 6	_	Map Coefficient C-2	47
Figure 7	_	Drainage Area VS Percent of the 1 Percent TP 40 Rainfall	48
Figure 8	_	Land Subsidence Schematic – Riverine Flooding	113
Figure 9	_	Land Subsidence Schematic – Hurricane/Tidal Surge Flooding	115
Figure 10a	_	Transect Location Map – Clear Creek	127
Figure 10b	_	Transect Location Map – Galveston Bay	128
Figure 10c	_	Transect Location Map – Ship Channel	129
Figure 11	_	Transect Schematic	130
Figure 12	_	Floodway Schematic	135

TABLES

Table 1	—	Scope of Study	7
Table 2	_	Stream Name Changes	16
Table 3	_	Summary of Discharges	49
Table 4	_	Summary of Reservoir Elevations	95
Table 5	_	Summary of Roughness Coefficients	97
Table 6	_	Summary of Coastal Elevations	118
Table 7	_	Transect Data	121
Table 8	_	Floodway DataSee Volumes	2&3
Table 9	_	Community Map History	137
Table 10	_	Revised Summary of Discharges – Fifth Revision	146
Table 11	_	Revised Summary of Roughness Coefficients	148

VOLUME 1 (Cont'd)

TABLES (Cont'd)

Page

Table 12	 Letters of Map Revision – Fifth Revision 	149
Table 13	 Revised Scope of Study 	149
Table 14	 Revised Summary of Stillwater Elevations 	150
Table 15	 Revised Summary of Discharges – Sixth Revision 	152
Table 16	 Letters of Map Revision – Sixth Revision 	153
Table 17	 Letters of Map Revision – Eighth Revision 	155
Table 18	 Revised Summary of Discharges – Eighth Revision 	156

VOLUME 2

Table 8 - Floodway Data (Watersheds A - I)

VOLUME 3

Table 8 – Floodway Data (Watersheds J – W)

EXHIBITS

Exhibit 1 – Flood Profiles – Flood Profiles included in this report are shown in Volumes 4 – 8. See the pages following for a complete listing.

Exhibit 2 – 0.2-Percent Annual Chance Wave Envelope Profiles included in this report are shown in Volumes 9 -12. See the pages following for a complete listing.

Exhibit 3 – Flood Insurance Rate Map Index Flood Insurance Rate Map

Exhibit 1 – Flood Profiles

VOLUME 4

Clear Creek Watershed (A)

Designation	Stream Name	Panels
A100-00-00	Clear Creek	Panels A01PA10P*
A104-00-00	Taylor Bayou	Panels A11PA13P**
A104-04-00	Tributary 3.10 to Taylor Bayou	Panel A14P**
A104-07-00	Tributary 3.93 to Taylor Bayou	Panel A15P**
A104-13-00	Tributary 3.36 to Taylor Bayou	Panel A16P**
A104-14-00	Taylor Bayou Diversion Channel	Panel A17P**
A107-00-00	Cow Bayou	Panels A18PA19P**
A107-03-00	Unnamed Tributary to Cow Bayou	Panel A19P
A111-00-00	Tributary 10.08 to Clear Creek	Panels A20PA22P
A118-00-00	Cedar Gully	Panel A23P
A119-00-00	Turkey Creek	Panels A24PA25P
A119-02-00	Tributary 0.16 to Turkey Creek	Panel A26P
A119-05-00	Unnamed Tributary to Turkey Creek	Panels A27PA28P
A119-07-00	Unnamed Tributary to Turkey Creek	Panel A29P
A119-07-02	Unnamed Tributary to A1 19-07-00	Panels A29PA30P
A120-00-00	Halls Road Ditch	Panels A31PA33P
	Armand Bayou Watershed (B)	
B100-00-00	Armand Bayou	Panels B01PB03P*
B104-00-00	Horsepen Bayou	Panels B04PB05P
B104-04-00	Tributary 4.51 to Horsepen Bayou	Panel B06P
B104-05-00	Tributary 5.44 to Horsepen Bayou	Panel B07P
B106-00-00	Big Island Slough	Panels B08PB09P
B109-00-00	Spring Gully	Panel B10P
B109-03-00	B1 12-02-00 Interconnect	Panel B11P
B111-00-00	Tributary 9.39 to Armand Bayou	Panel B12P
B112-00-00	Willow Springs Bayou	Panels B13PB14P
B112-02-00	Tributary 1.78 to Willow Springs Bayou	Panels B15PB16P
B112-04-00	Tributary B to Willow Springs Bayou	Panel B 17P
B113-00-00	Tributary 10.46 to Armand Bayou	Panel B18P
B114-00-00	County "C", D.D. #5	Panels B19PB20P
B114-01-00	Private "G", D.D. #5	Panel B21P
B114-02-00	Unnamed Tributary to B 114-00-00	Panel B22P
B115-00-00	Tributary 12.18 to Armand Bayou	Panel B23P
B115-01-00	Tributary 12.18 to Armand Bayou (continued)	Panel B23P
B204-04-00	Horsepen Bayou Diversion Channel	Panel B24P

*Some Panels Not Printed as Areas Superseded by 1-percent annual chance coastal flooding **All Panels Not Printed as Areas Superseded by 1-percent annual chance coastal flooding

Exhibit 1 – Flood Profiles

VOLUME 4 (cont'd)

Sims Bayou Watershed (C)

HCFCD		
Designation	Stream Name	Panels
C100-00-00	Sims Bayou	Panels C01PC05P
C102-00-00	Plum Creek	Panels C06PC07P
C103-00-00	Pine Gully	Panels C08PC09P
C106-00-00	Berry Bayou	Panels C10PC12P
C106-01-00	Berry Creek	Panels C13PC14P
C106-01-07	Unnamed Tributary to Berry Creek	Panel C14P
C106-03-00	Tributary 2.00 to Berry Bayou	Panels C15PC16P
C106-08-00	Tributary 3.31 to Berry Bayou	Panel C17P
C118-00-00	Salt Water Ditch	Panel C18P
C123-00-00	Tributary 10.77 to Sims Bayou	Panel C19P
C223-00-00	Tributary 10.77 to Sims Bayou (continued)	Panel C19P
C127-00-00	Swengel Ditch	Panel C20P
C132-00-00	Tributary 13.83 to Sims Bayou	Panel C21P
C147-00-00	Tributary 20.25 to Sims Bayou	Panels C22PC23P
C161-00-00	Tributary 17.82 to Sims Bayou	Panel C24P

Brays Bayou Watershed (D)

D100-00-00	Brays Bayou	Panels D01PD07P
D109-00-00	Harris Gully	Panel D08P
D111-00-00	Poor Farm Ditch	Panels D09PD10P
D112-00-00	Willow Waterhole Bayou	Panel D11P
D118-00-00	Keegans Bayou	Panels D12PD13P
D120-00-00	Tributary 20.90 to Brays Bayou	Panels D14PD15P
D122-00-00	Tributary 21.95 to Brays Bayou	Panels D16PD17P
D124-00-00	Tributary 22.69 to Brays Bayou	Panel D18P
D126-00-00	Tributary 23.53 to Brays Bayou	Panels D19PD20P
D129-00-00	Tributary 26.20 to Brays Bayou	Panels D21PD22P
D132-00-00	Tributary 29.16 to Brays Bayou	Panel D23P
D133-00-00	Bintliff Ditch	Panel D24P
D139-00-00	Chimney Rock Diversion Channel	Panel D25P
D140-00-00	Fondren Diverson Channel	Panel D26P
D140-04-00	Fondren Diverson Channel (continued)	Panel D26P
D142-00-00	Tributary 20.86 to Brays Bayou	Panel D27P
D144-00-00	City Ditch	Panel D28P

Exhibit 1 - Flood Profiles

VOLUME 5

White Oak Bayou Watershed (E)

HCFCD	<u></u>	
Designation	Stream Name	Panels
E100-00-00	White Oak Bayou	Panels E01PE11P
E101-00-00	Little White Oak Bayou	Panels E12PE13P
E115-00-00	Brickhouse Gully	Panels E14PE16P
E115-04-00	Brickhouse Gully Tributary 1.61	Panel E17P
E116-00-00	Tributary 10.1 to White Oak Bayou	Panel E18P
E116-05-00	Tributary 10.1 to White Oak Bayou (continued)	Panel E18P
E117-00-00	Cole Creek	Panels E19PE21P
E121-00-00	Vogel Creek	Panels E22PE24P
E122-00-00	Unnamed Tributary to White Oak Bayou	Panels E25PE26P
E124-00-00	White Oak Bayou Tributary 15.8	Panel E27P
E125-00-00	Rolling Fork	Panel E28P
E127-00-00	Tributary 19.05 to White Oak Bayou	Panel E29P
E135-00-00	Tributary 19.82 to White Oak Bayou	Panel E30P
E141-00-00	Beltway Channel	Panels E31PE32P
	Galveston Bay Watersheds (F)	
F216-00-00	Little Coder Daviou	Panels F01PF02P
F220-00-00	Little Cedar Bayou Pine Gully	Panel F03P
F220-03-00	Pine Gully (continued)	Panel F03P
1 0 00 00		
	San Jacinto River Watershed (G)	
G100-00-00	San Jacinto River, Houston Ship Channel	Panel G01P
G100-00-00	Buffalo Bayou, Houston Ship Channel	Panels G02PG04P
G103-00-00	San Jacinto River	Panels G05PG08P*
G103-01-00	Unnamed Tributary to San Jacinto River	Panels G09PG10P
G103-07-00	Unnamed Tributary to San Jacinto River	Panels G11PG14P
G103-00-00	Lake Houston	Panels G15PG17P
G103-00-00	West Fork San Jacinto River	Panels G18PG21P
G103-33-00	Bens Branch	Panels G22PG24P
G103-43-00	Jordan Gully	Panel G25P
G103-44-00	TxDOT Ditch #4	Panel G26P
G103-48-00	Blacks Branch	Panel G27P
G103-80-00	Lake Houston (continued)	Panels G17P & G28P
G103-80-00	East Fork San Jacinto River	Panels G29PG34P
G103-80-03	Caney Creek	Panel G35P
G103-80-03.1	White Oak Creek	Panels G36PG37P

*Some Panels Not Printed as Areas Superseded by 1-percent annual chance coastal flooding

Exhibit 1 – Flood Profiles

VOLUME 5 (cont'd)

San Jacinto River Watershed (G) (cont'd)

HCFCD

Designation	Stream Name	Panels
G103-80-03.1A	Mills Branch	Panel G38P
G103-80-03.1B	Taylor Gully	Panels G39PG40P
G104-00-00	Patrick Bayou	Panels G41PG43P
G104-08-00	E. 13th St. Outfall Channel	Panels G44PG45P
G105-00-00	Boggy Bayou	Panels G46PG47P
G108-00-00	Glenmore Ditch	Panel G48P
G109-00-00	Tributary 6.77 to Buffalo Bayou	Panel G49P
G110-00-00	Cotton Patch Bayou	Panel G50P
G112-00-00	Panther Creek	Panel G51P

Hunting Bayou Watershed (H)

Hunting Bayou	Panels H01PH06P
Wallisville Outfall	Panels H07PH09P
Tributary 12.70 to Hunting Bayou	Panel H10P
Schramm Gully	Panel H11P
Tributary 12.05 to Hunting Bayou	Panels H12PH13P
	Wallisville Outfall Tributary 12.70 to Hunting Bayou Schramm Gully

Vince Bayou Watershed (I)

I100-00-00	Vince Bayou	Panels I01PI03P
I101-00-00	Little Vince Bayou	Panels I04PI05P

Exhibit 1 – Flood Profiles

VOLUME 6

Spring Creek Watershed (J)

HCFCD

HCFCD		
Designation	Stream Name	Panels
J100-00-00	Spring Creek	Panels J01PJ29P
J109-00-00	Bender Lake	Panel J30P
J109-01-00	Continuation of Bender Lake	Panels J30PJ31P
J121-00-00	Tributary 21.08 to Spring Creek	Panel J32P
J131-00-00	Boggs Gully	Panels J33PJ36P
J131-01-00	Tributary 1.25 to Boggs Gully	Panel J37P
J158-00-00	Kickapoo Creek	Panels J38PJ40P
	Cypress Creek Watershed (K)	
K100-00-00	Cypress Creek	Panels K01PK11P
K111-00-00	Turkey Creek	Panels K12PK14P
K111-03-00	Tributary to Turkey Creek	Panel K15P
K112-00-00	Wild Cow Gulch	Panel K16P
K116-00-00	Schultz Gully	Panel K17P
K120-00-00	Lemm Gully	Panels K18PK19P
K120-01-00	Senger Gully	Panels K20PK21P
K120-03-00	Wunsche Gully	Panel K22P
K124-00-00	Seals Gully	Panels K23PK24P
K124-02-00	Kothman Gully	Panels K25PK26P
K131-00-00	Spring Gully	Panels K27PK28P
K131-02-00	Theiss Gully	Panels K29PK30P
K131-02-04	Tributary to Theiss Gully	Panel K30P
K131-03-00	Tributary 2.1 to Spring Gully	Panel K31P
K131-04-00	Tributary to Spring Gully	Panel K32P
K133-00-00	Dry Gully	Panels K33PK34P
K140-00-00	Pillot Gully	Panels K35PK36P
K142-00-00	Faulkey Gully	Panels K37PK39P
K145-00-00	Dry Creek	Panels K40PK41P
K150-00-00	Tributary 36.6 to Cypress Creek	Panels K42PK43P
K150-01-00	Tributary 36.6-A to Cypress Creek	Panel K44P
K152-00-00	Tributary 37.1 to Cypress Creek	Panel K45P
K155-00-00	Tributary 40.7 to Cypress Creek	Panels K46PK47P
K157-00-00	Tributary 42.7 to Cypress Creek	Panels K48PK49P
K159-00-00	Channel A to Cypress Creek	Panels K50PK51P
K159-01-00	Channel D to Channel A to Cypress Creek	Panel K52P
K160-00-00	Rock Hollow	Panels K53PK55P
K160-01-00	Tributary 1.63 to Rock Hollow	Panels K56PK58P

Exhibit 1 – Flood Profiles

VOLUME 6 (cont'd)

Cypress Creek Watershed (K) (cont'd)

HCFCD		
Designation	Stream Name	Panels
K166-00-00	Mound Creek	Panels K59PK62P
K166-01-00	East Fork Mound Creek	Panels K63PK64P
K166-02-00	Little Mound Creek	Panels K65PK66P
K166-03-00	Tributary 7.62 to Mound Creek	Panel K67P
K185-00-00	Tributary 44.5 to Cypress Creek	Panel K68P
K172-00-00	Tributary 44.5 to Cypress Creek (continued)	Panels K68PK70P
	Little Cypress Creek Watershed (L)	

L100-00-00	Little Cypress Creek	Panels L01PL09P
L109-00-00	Tributary 9.36 to Little Cypress Creek	Panel L10P
L112-00-00	Tributary 10.99 to Little Cypress Creek	Panel L11P
L114-00-00	Tributary13.92 to Little Cypress Creek	Panels L12PL13P
L114-01-00	Tributary 0.12 to Tributary 13.92 to Little Cypress	Panels L14PL16P

Exhibit 1 – Flood Profiles

VOLUME 7

Willow Creek Watershed (M)

HCFCD		
Designation	Stream Name	Panels
M100-00-00	Willow Creek	Panels M01PM09P
M101-00-00	Tributary 0.26 to Willow Creek	Panel M10P
M102-00-00	Tributary 1.77 to Willow Creek	Panel M11P
M104-00-00	Tributary 2.44 to Willow Creek	Panels M12PM13P
M108-00-00	Hughes Gully	Panel M14P
M109-00-00	Cannon Gully	Panel M15P
M109-01-00	Metzler Creek	Panel M16P
M112-00-00	Tributary 6.52 to Willow Creek	Panels M17PM18P
M116-00-00	Tributary 8.16 to Willow Creek	Panels M19PM20P
M124-00-00	Tributary 13.50 to Willow Creek	Panels M21PM23P
M129-00-00	Continuation of Willow Creek	Panel M09P
	Carpenters Bayou Watershed (N)	
N100-00-00	Carpenters Bayou	Panels N01PN03P
N100-00-00	Sheldon Reservoir	N/A
N104-00-00	Tributary 3.33 to Carpenters Bayou	Panel N04P
N117-00-00	Tributary 11.715 to Carpenters Bayou	Panel N05P
	Goose Creek Watershed (O)	
O100-00-00	Goose Creek	Panels O01PO03P
O105-00-00	East Fork Goose Creek	Panels O04PO05P
O200-00-00	Spring Gully	Panels O06PO07P
O208-00-00	Spring Gully Diversion Channel	Panel O08P
	<u>Greens Bayou Watersheds (P)</u>	
P100-00-00	Greens Bayou	Panels P01PP 18P
P107-00-00	Big Gulch	Panels P19PP21P
P109-00-00	Sulphur Gully	Panel P22P
P110-00-00	Spring Gully	Panels P23PP24P
P114-00-00	Unnamed Tributary to Greens Bayou	Panel P25P
P118-00-00	Halls Bayou	Panels P26PP34P

Exhibit 1 – Flood Profiles

VOLUME 7 (cont'd)

Greens Bayou Watersheds (P) (cont'd)

HCFCD

IICICD		
Designation	Stream Name	Panels
P118-14-00	Tributary 6.71 to Halls Bayou	Panel P35P
P118-23-00	Tributary 11.96 to Halls Bayou	Panel P36P
None	Unnamed Tributary to Halls Bayou	Panel P37P
P125-00-00	Tributary 14.27 to Greens Bayou	Panels P38PP39P
P125-04-00	Tributary 14.27 to Greens Bayou (continued)	Panel P39P
P126-00-00	Tributary 14.82 to Greens Bayou	Panels P40PP41P
P130-00-00	Garners Bayou	Panels P42PP45P
P130-02-00	Williams Gully	Panels P46PP47P
P130-02-02	Tributary 2.01 to Williams Gully	Panel P48P
P130-03-00	Tributary 3.19 to Garners Bayou	Panel P49P
P130-03-01	Tributary 0.55 to Tributary 3.19 to Garners Bayou	Panel P50P
P130-05-00	Reinhardt Bayou	Panels P51PP52P
P133-00-00	Tributary 20.88 to Greens Bayou	Panel P53P
P138-00-00	Tributary 24.97 to Greens Bayou	Panels P54PP55P
P140-00-00	Tributary 26.64 to Greens Bayou Hoods Bayou	Panel P56P
P140-04-00	Continuation of Tributary 26.64 to Greens Bayou	Panels P56PP57P
P140-04-03	Continuation of Tributary 26.64 to Greens Bayou	Panels P57PP58P
P145-00-00	North Fork Greens Bayou	Panels P59PP60P
P145-03-00	Tributary 1.95 to North Fork Greens Bayou	Panels P61PP62P
P146-00-00	Tributary 32.23 to Greens Bayou	Panel P63P
P147-00-00	Unnamed Tributary to Greens Bayou	Panels P64PP65P
P148-00-00	Tributary 34.60 to Greens Bayou	Panel P66P
P155-00-00	Unnamed Tributary to Greens Bayou	Panels P67PP68P
P156-00-00	Unnamed Tributary to Greens Bayou	Panel P69P

Exhibit 1 – Flood Profiles

VOLUME 8

Cedar Bayou Watershed (Q)

HCFCD		
Designation	Stream Name	Panels
Q100-00-00	Cedar Bayou	Panels Q01PQ09P*
Q101-00-00	Pine Gully	Panel Q10P**
Q112-00-00	Cary Bayou	Panels Q11PQ12P
None	Horsepen Bayou (City of Baytown)	Panel Q13P (deleted)
Q114-00-00	McGee Gully	Panels Q14PQ15P
Q122-00-00	Clawson Ditch	Panels Q16PQ17P
Q128-00-00	Adlong Ditch	Panels Q18PQ20P
Q130-00-00	Unnamed Tributary to Cedar Bayou	Panels Q21PQ22P
Q200-00-00	Cedar Bayou Diversion Channel	Panel Q23P**
	Jackson Bayou Watershed (R)	
R100-00-00	Jackson Bayou	Panels R01PR02P
R102-00-00	Gum Gully	Panels R03PR04P
R102-03-00	Tributary 2.70 to Gum Gully	Panel R05P
R102-03-01	Tributary 2.70 to Gum Gully (continued)	Panel R05P
R102-13-00	Tributary 3.08 to Gum Gully	Panel R06P
	Luce Bayou Watershed (S)	
S100-00-00	Luce Bayou	Panels S01PS04P
S110-00-00	Shook Gully	Panels S05PS06P
S114-00-00	Mexican Gully	Panel S07P
	Barker Reservoir Watershed (T)	
T100-00-00	Upper Buffalo Bayou / Cane	Panel not printed
T100-00-00	Cane Island Branch	Panels T01PT03P
T101-00-00	Mason Creek	Panels T04PT06P
T101-03-00	Tributary 4.96 to Mason Creek	Panels T07PT08P

Panel T06P Panels T09P--T10P Panel T11P

*Some Panels Not Printed as Areas Superseded by 1-percent annual chance coastal flooding **All Panels Not Printed as Areas Superseded by 1-percent annual chance coastal flooding

Unnamed Tributary to Mason Creek

Cane

Tributary 52.9 to Upper Buffalo Bayou / Cane

T101-10-00

T103-00-00

T103-01-00

Tributary 2.17 to Tributary 52.9 to Upper Buffalo Bayou /

Exhibit 1 – Flood Profiles

VOLUME 8 (cont'd)

Addicks Reservoir Watershed (U)

HCFCD		
Designation	Stream Name	Panels
U100-00-00	Langham Creek	Panels U01PU06P
U101-00-00	South Mayde Creek	Panels U07PU12P
U101-07-00	Tributary 9.4 to South Mayde Creek	Panels U14PU15P
U101-22-00	Unnamed Tributary to South Mayde Creek	Panels U12PU13P
U102-00-00	Bear Creek	Panels U16PU20P
U102-01-00	Unnamed Tributary to Bear Creek	Panels U21PU22P
U106-00-00	Horsepen Creek	Panels U23PU25P
U120-00-00	Dinner Creek	Panels U26PU27P
U200-00-00	Addicks Reservoir Diversion Channel	Panel U01P
U202-01-00	Bear Creek Diversion Channel	Panel U16P
W167-01-00	Tributary 3.9 to Turkey Creek	Panel U28P
	Buffalo Bayou Watershed (W)	
W100-00-00	Buffalo Bayou	Panels W01PW14P
W140-00-00	Spring Branch	Panels W15PW16P
W140-01-00	Briar Branch	Panels W17PW18P
W141-00-00	Soldiers Creek	Panels W19PW20P
W142-00-00	Bering Ditch	Panel W21P
W156-00-00	Rummel Creek	Panels W22PW23P
W157-00-00	Unnamed Tributary to Buffalo Bayou	Panels W24PW25P
W167-00-00	Turkey Creek	Panel W26P
W167-04-00	Continuation of Turkey Creek	Panels W26PW29P
W167-01-00	Tributary 3.9 to Turkey Creek (See Addicks	N/A
	Watershed)	

Panels W30P--W32P Panels W33P--W34P

Unnamed Tributary to Buffalo Bayou

Clodine Ditch

W170-00-00

W190-00-00

Exhibit 2-0.2-Percent Annual Chance Wave Envelope Profiles*

* not all Coastal Transects have a 0.2-Percent Annual Chance Wave Envelope Profile – for those transects that do not appear in the FIS there was no starting 0.2-Percent Annual Chance Stillwater Elevation

VOLUME 9 - JANUARY 6, 2017

VOLUME 10 - JANUARY 6, 2017

Coastal Transects

Transects 1 – 41

Panels

Panels 01P -- 84P

Panels

Panels 85P -- 168P

Panels

Panels 169P -- 253P

Coastal Transects

Transects 42 – 95

VOLUME 11 – JANUARY 6, 2017

Coastal Transects

Transects 96 – 166

VOLUME 12 - JANUARY 6, 2017

Coastal Transects

Transects 167 – 180

Panels

Panels 254P -- 279P

