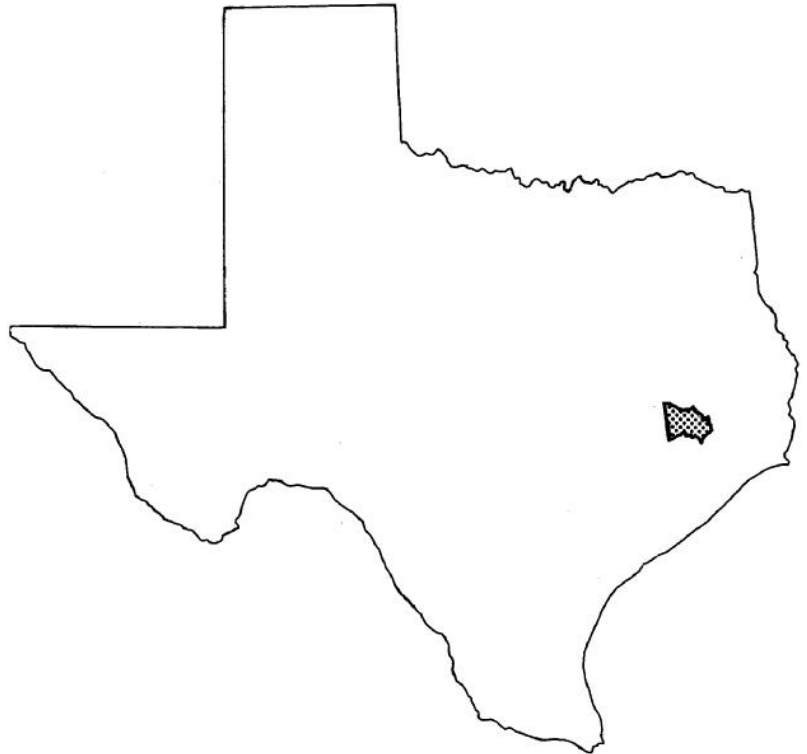


FLOOD INSURANCE STUDY



MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS VOLUME 1 OF 6

COMMUNITY NAME	COMMUNITY NUMBER
CONROE, CITY OF	480484
CUT AND SHOOT, CITY OF	481279
HOUSTON, CITY OF	480296
MAGNOLIA, CITY OF	481261
MONTGOMERY, CITY OF	481483
MONTGOMERY, COUNTY (UNINCORPORATED AREAS)	480483
OAK RIDGE NORTH, CITY OF	481560
PANORAMA VILLAGE, CITY OF	481263
PATTON VILLAGE, CITY OF	480486
ROMAN FOREST, CITY OF	481538
SHENANDOAH, CITY OF	481256
SPLENDORA, CITY OF	480488
STAGECOACH, CITY OF	481296
WILLIS, CITY OF	480942
WOODBROUGH, CITY OF	480694
WOODLOCH, TOWN OF	481168



REVISED: August 18, 2014



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
48339CV001A

**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 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 Flood Insurance Study may be revised and republished at any time. In addition, part of this Flood Insurance Study may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the Flood Insurance Study. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current Flood Insurance Study components.

Initial Countywide FIS Effective Date: December 19, 1996

First Revised Countywide FIS Revision Date: September 22, 1999

Second Revised Countywide FIS Revision Date: August 18, 2014

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Flood Insurance Rate Map Index
Flood Insurance Rate Map

FLOOD INSURANCE STUDY
MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS

1.0 INTRODUCTION

1.1. Purpose of Study

This Flood Insurance Study (FIS) revises and updates information on the existence and severity of flood hazards in the geographic area of Montgomery County, Texas including the Cities of Conroe, Cut and Shoot, Houston (within Montgomery County), Magnolia, Montgomery, Oak Ridge North, Panorama Village, Patton Village, Roman Forest, Shenandoah, Splendora, Stagecoach, Willis, and Woodbranch; the Town of Woodloch; and the unincorporated areas of Montgomery County (referred to collectively herein as Montgomery County) and aids in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. This study has developed flood risk data for various areas of the community that will be used to establish actuarial flood insurance rates and to assist the community in its efforts to promote sound floodplain management. Minimum floodplain management requirements for participation in the National Flood Insurance Program (NFIP) are set forth in the Code of Federal Regulations at 44 CFR, 60.3.

Please note that the City of Houston is located in Montgomery and Harris Counties.

In some states or communities, floodplain management criteria or regulations may exist that are more restrictive or comprehensive than the minimum Federal requirements. In such cases, the more restrictive criteria take precedence and the State (or other jurisdictional agency) will be able to explain them.

1.2. Authority and Acknowledgments

The sources of authority for this FIS are the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

The hydrologic and hydraulic analyses for this study were performed by the Comprehensive Flood Risk Resources & Response Joint Venture (CF3R) for the Federal Emergency Management Agency (FEMA), under Contract No. EMT-2002-CO-0049, Task Orders No. 025 and No. 030. The study of Lake Creek from its mouth at the confluence with West Fork of San Jacinto to Landrum Creek was completed in February 2008 (Reference 3). The hydrologic and hydraulic analyses for Spring Creek were provided by the Harris County FIS (Reference 2). The remapping of other streams floodplain on the new Light Detection and Ranging (LiDAR) topographic data was completed in February 2008 (Reference 3). Information about the hydrologic and hydraulic analyses for other streams studied by detailed methods was taken from the 1999 Montgomery County FIS report (Reference 4) as described below.

For the unincorporated areas of Montgomery County, the hydrologic and hydraulic analyses in the 1999 study represent a revision of the original analyses prepared by the U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS)

(formerly the Soil Conservation Service), for FEMA, under Interagency Agreement No. IAA-H-8-77. The work was completed in August 1982.

Revised hydrologic and hydraulic analyses for White Oak and Silverdale Creeks and revised information for Grand Lake, Caney, and Alligator Creeks were prepared by the NRCS, and completed in August 1984. Updated information for White Oak Creek - West and White Oak Creek - West Tributary No.1 was prepared using the FIS for the former City of Chateau Woods. The work was completed in August 1985. The maps were revised to reflect annexations made by the City of Conroe.

A revised hydraulic analysis for a portion of Panther Branch was prepared by Winslow and Associates, Inc., and completed in January 1986.

Revised hydraulic analyses for Spring Creek and Panther Branch were prepared by Dewberry & Davis, and completed in July 1988. An updated hydraulic analysis for Bear Branch was prepared by Winslow and Associates, Inc., and completed in June 1988.

Updated hydraulic analyses for Mill Creek and Mill Creek Tributary No. 5 were prepared by Tyner & Ellis Engineers, Inc., and completed in October 1986.

The hydrologic and hydraulic analyses for the City of Conroe represent a revision of the original analyses by Black & Veatch, Consulting Engineers, for FEMA, under Contract No. H-3814. Updated analyses for areas annexed by the City of Conroe were prepared by the NRCS under agreement with FEMA. That work was completed in October 1984. The study was updated by adding hydrologic and hydraulic analyses for West Fork of San Jacinto River and White Oak Creek North, prepared by the NRCS during the preparation of the FIS for the unincorporated areas of Montgomery County. That work was completed in August 1985. An updated hydraulic analysis for North Fork Stewarts Creek was prepared by the City of Conroe. The work was completed in December 1988.

The hydrologic and hydraulic analyses for the City of Montgomery were performed by the NRCS and Stottler Stagg and Associates, Inc., with topographic and hydraulic structure data provided by Aero Services, Inc., for FEMA, under Interagency Agreement No. IAA-H-8-77. The work was completed in June 1981.

The hydrologic and hydraulic analyses for the City of Oak Ridge North represent a revision of the original analyses prepared by the NRCS, for FEMA, under Interagency Agreement No. IAA-H-8-77. The work for the original study was completed in August 1982. The hydrologic and hydraulic analyses were revised by the NRCS for FEMA, under Interagency Agreement No. EMW-88-E-2766, Project Order No. 1. The work for the revision was completed in September 1989.

The hydrologic and hydraulic analyses for the Cities of Cut and Shoot, Magnolia, Panorama Village, Patton Village, Roman Forest, Splendora, Stagecoach, Willis, and Woodbranch and the Town of Woodloch were performed by the NRCS, for FEMA, under Interagency Agreement No. IAA-H-8-77. The work was completed in August 1982.

On September 22, 1999, the hydrology and hydraulics for Bens Branch was revised because of several diversion channels and channel improvements that reduce the peak flow and improve channel-flow characteristics. Additionally, mismatches in the Special Flood Hazard Area (SFHA), floodway boundary delineations, and Base Flood Elevations (BFEs) at the Harris/ Montgomery County line were corrected as part of the restudy of Bens Branch.

The Bens Branch restudy was performed by the U.S. Geological Survey, for FEMA, under Contract No. EMW-96-IA-0208, Project Order No. 3. This work was completed in October 1997.

1.3. Coordination

The initial Consultation Coordination Officer (CCO) meeting was held on April 15, 2005, and attended by representatives of FEMA, the RMC, the Study Contractor, the communities, and other districts.

The results of the study were reviewed at the final CCO meeting held on November 18, 2008, and attended by representatives of FEMA, the communities, and the Study Contractor. All problems raised at that meeting have been addressed in this study.

2.0 AREA STUDIED

2.1. Scope of Study

This FIS report covers the geographic area of Montgomery County, Texas, including the incorporated communities listed in Section 1.1. The streams that were studied by detailed methods are listed in Table 1, "Streams Studied by Detailed Methods."

Some of the streams in the county were studied down to drainage areas of less than 1 square mile. This was done at the request of local officials and citizens because of past flooding experience and the development potential in the floodplains of these streams. Since local officials, the NRCS, and FEMA were all in agreement that these streams should be studied for these small drainage areas, the streams were included in this study.

Portions of the City of Conroe are subject to shallow flooding due to localized ponding or inadequate surface drainage. These areas have not been included in this study.

Minor flooding sources throughout the county were studied by enhanced approximate methods. Enhanced approximate analyses were used to study those areas having a low development potential or minimal flood hazards. The scope and methods of study were proposed to, and agreed upon, by FEMA.

TABLE 1 – STREAMS STUDIED BY DETAILED METHODS

Alligator Creek	Egypt Creek
Anthony Branch	Fish Creek
Arnold Branch	Gleneagles Diversion Ditch
Atkins Creek	Goodson Branch
Atkins Creek North Channel	Grand Lake Creek
Base Creek	Green Branch
Bay Branch	Gully Branch
Bear Branch	Gum Branch
Bee Branch	Hightower Branch
Bell Creek	Hosstetter Creek
Bens Branch	Jayhawker Creek
Bens Branch Tributary No. 1	Kelly Branch
Bens Branch Tributary No. 2	Kidhaw Branch
Bentwood Diversion Channel	Lake Creek
Brushy Creek	Lake Creek Tributary No. 1
Camp Creek	Lake Creek Tributary No. 2
Caney Creek	Lake Creek Tributary No. 3
Caney Creek North	Lake Creek Tributary No. 4
Caney Creek North Tributary No. 1	Lake Creek Tributary No. 5
Caney Creek North Tributary No. 2	Lake Creek Tributary No. 6
Caney Creek North Tributary No. 3	Lake Creek Tributary No. 7
Caney Creek No.2	Landrum Creek
Caney Creek Tributary No. 1	Lawrence Creek
Caney Creek Tributary No. 2	Lewis Creek
Caney Creek Tributary No. 3	Little Caney Creek
Carters Slough	Little Caney Creek No. 2
Carwile Creek	Little Caney Creek No. 3
Chambers Creek	Little Lake Creek
Church House Gully	Little Lake Creek Tributary No. 1
Crystal Creek	Little Lake Creek Tributary No. 2
Crystal Creek Tributary No. 1	Little Lake Creek Tributary No. 3
Crystal Creek Tributary No. 2	Little Lake Creek Tributary No. 4
Crystal Creek Tributary No. 3	Little Lake Creek Tributary No. 5
Crystal Creek Tributary No. 4	Live Branch
Crystal Creek Tributary No. 5	Live Oak Branch
Decker Branch	Log Gully
Decker Branch Tributary No. 1	Martin Creek
Deer Lake Branch	McRae Creek
Dry Creek	Mill Creek
Dry Creek No.2	Mill Creek Tributary No. 1
Dry Creek No.2 Tributary No. 1	Mill Creek Tributary No. 2
Duck Creek	Mill Creek Tributary No. 3
East Fork of San Jacinto River	Mill Creek Tributary No. 4

TABLE 1 – STREAMS STUDIED BY DETAILED METHODS (CONTINUED)

Mill Creek Tributary No. 5	Stewarts Creek Tributary No. 1
Mink Branch	Sulphur Branch
Mound Creek	Threemile Creek
Mound Creek Tributary No. 1	Town Creek
North Fork of Stewarts Creek	Town Creek Tributary No. 1
Orton Gully	Town Creek Tributary No. 2
Panther Branch	Trade Center Ditch/College Park Ditch
Panther Branch Tributary No. 1	Tributary to Sam Bell Gully Diversion
Panther Branch Tributary No. 2	Channel
Peach Creek	Walnut Creek
Peach Creek Tributary No. 1	Walnut Creek Tributary No. 1
Peach Creek Tributary No. 2	Waterhole Branch
Peach Creek Tributary No. 3	Weirs Creek
Pole Creek	Weirs Creek Tributary No. 1
Possum Branch	West Branch Alligator Creek
Rush Creek	West Fork of Crystal Creek
Rush Creek Tributary No. 1	West Fork of San Jacinto River
Rush Creek Tributary No. 2	West Fork of Spring Branch
Sam Bell Gully	West Fork, West Branch Alligator Creek
Sam Bell Gully Diversion Channel	White Oak Creek
Sand Branch	White Oak Creek - North
Sand Branch No. 2	White Oak Creek - West
Sandy Branch	White Oak Creek - West Tributary No. 1
Shepard Branch	Woodsons Gully
Silverdale Creek	Trade Center Ditch/College Park Ditch
Spring Branch	West Fork of White Oak Creek North
Spring Branch No. 2	Lower Tributary to West Fork of White Oak
Spring Creek	Creek North
Stewart Creek North	
Stewarts Creek	

2.2. Community Description

Montgomery County is located in the southeastern part of Texas. The City of Conroe, the county seat, is located approximately 45 miles north of Houston on Interstate Route 45 (Reference 5).

Montgomery County, originally part of Washington County, was organized in 1837. The county is named after U.S. Revolutionary War General Richard Montgomery. The approximate area of the county is 1,090 square miles. In 2000, its population was 293,768. In 2007, the U.S. Census Bureau estimated Montgomery County's population to be 412,638, a 40% growth rate in the seven years from the last U.S. Census (Reference 6). The economy of the county is supported by agriculture and timber production, retail outlets, and the production of oil, gas, sand, and gravel. (Reference 7)

In recent years, much of the current land has been converted to urban uses. Much of the once-rural area is being developed for houses, businesses, and industries. There are 14 incorporated cities in Montgomery County. The cities and populations (as of 2006) are as follows: City of Conroe – 49,760, City of Cut and Shoot – 1,253, City of Magnolia – 1,263, City of Montgomery - 580, City of Oak Ridge North - 3,381, City of Panorama Village - 2,401, City of Patton Village - 1,515, City of Roman Forest – 3,324, City of Shenandoah - 1,892, City of Splendora – 1,641, City of Stagecoach - 517, City of Willis - 4,258, City of Woodbranch – 1,388 and Town of Woodloch - 254, (Reference 6).

Elevations in the county range from approximately 430 feet in the very-northwestern corner of the county to approximately 35 feet where West Fork of San Jacinto River leaves the county.

The vegetation in Montgomery County can be best described as two vegetational areas: Pineywoods and Blackland Prairies. The Pineywoods comprise 84 percent of the county. The dominant vegetation, the Pineywood area, is pine, mostly loblolly and shortleaf, along with some sweetgum and oak. Ground cover is very sparse under the dense overstory, with hardwoods being more prevalent along stream courses and in bottom land areas. The major species in the overstory are maple, hickory, and various species of oak and gum. Understory species include yaupon, American beauty berry, haws, holly, dogwood, wax myrtle, grape, and greenbriar. The open areas are comprised primarily of herbaceous plants, principally little bluestem, Indiangrass, paspalums, and several species of panicums and lovegrass. The Blackland Prairie area was historically a tall and mid-grass prairie, including little bluestem, Indiangrass, switchgrass, sideoats grama, Texas wintergrass, dropseeds, and lovegrasses. Post oak and blackjack oak may occur on the lighter soils. The major woody species along stream courses are hackberry, elm, and ash. Most of the Blackland Prairie and some of the timbered areas of the Pineywoods have been converted to other land uses such as cropland, pastureland, and urban areas. Major crops include small grains and forage sorghum. Coastal bermuda and legumes are being grown on pastureland (Reference 8).

There are eight major categories of soils in Montgomery County. Soils belonging to the Conroe association occupy approximately 27 percent of the county in a generally northeast -southwest trending band across the midsection of the county. These soils are deep and gently sloping to rolling, sandy soils that become clayey with depth. Ironstone gravel occurs in the surface layers of some of these soils and is mined for gravel. This association supports mainly timber, but is also used for small livestock farms (Reference 9).

The Splendora-Boy-Segno association covers approximately 22 percent of the county, lying to the east of the Conroe association. This association consists of deep and nearly level to gently sloping, loamy, sandy soils with loamy lower layers. This association is used mostly for pine timber (Reference 9).

The Wicksburg-Susquehanna association makes up approximately 19 percent of the county, mainly in the northwestern portion. These are deep, gently sloping, sandy, loamy soils that have clayey lower layers and are used mainly for timber production. They are located on broad interstream divides and rolling side slopes of natural drains (Reference 9).

The Sorter association occurs in flat to slightly depressed areas that have no well-defined drainage patterns. This association makes up approximately 10 percent of the county and is located mainly in the southeastern portion. The soils are deep, level, poorly drained, and loamy throughout the profile. The water table is near the surface during much of the winter and spring, and this keeps the soils wet. This association is used mainly for pine and hardwood timber production (Reference 9).

The Ferris-Houston Black-Kipling association occupies approximately 8 percent of the county, mainly in the northwestern portion. These soils are deep and gently sloping to rolling, firm, mainly clayey soils that have a high shrink-swell potential, and they tend to erode on steeper slopes. This association is used mainly for raising livestock. Corn, small grains, and cotton are also grown (Reference 9).

The Albany-Tuckerman association occupies broad stream terraces and poorly drained flats and sandy ridges along the major drainage ways. The soils of this association make up approximately 7 percent of the county, and are deep and level to gently sloping, with sandy, loamy textures. They are used mainly for pine timber production (Reference 9).

Soils belonging to the Tuscumbia association occur over approximately 6 percent of the county and are located in the floodplains of major drainage ways. The soils of this association are mostly clayey and subject to overflows. They are poorly drained and generally not suitable for cultivation. These soils are used mainly for hardwood timber production and pasture (Reference 9).

The remaining 1 percent of the county is occupied by soils belonging to the Hockley-Katy association. This association is comprised of deep and level to very gently sloping, loamy soils that have loamy or clayey lower layers, and occur on low, gently sloping ridges and nearly level areas in the southwestern portion of the county. This association is used for crops, pasture, and vegetable farms (Reference 9).

The average annual rainfall ranges from approximately 43 inches in the western part of the county to approximately 48 inches in the eastern part of the county. The average annual rainfall, based on the Conroe gage with 60 years of record, is 45.53 inches. May is the wettest month, with an average rainfall of 4.86 inches, and March is the driest month, with an average rainfall of 2.65 inches (References 10 and 11).

The average annual temperature ranges from approximately 67°F in the northern part of the county to approximately 68°F in the southern part of the county. The average annual temperature, based on the Conroe gage with 60 years of record, is 67.1°F. The hottest month on average is August, with an average temperature of 83.2°F, and the coldest month on average is January, with an average temperature of 49.7°F (References 11 and 12).

2.3. Principal Flood Problems

All of the streams studied by detailed methods in Montgomery County, except Spring, Threemile, and Brushy Creeks, Log Gully, Mill Creek, Caney Creek No.2, Little Caney Creek No.3, Lake Creek, Caney Creek North Tributary No.1, Green Branch, West Fork of San Jacinto River, Gum Branch, Hosstetter Creek, Little Caney Creek No.2, Caney Creek Tributary No.3, Caney, Peach, and Jayhawker Creeks, and East Fork of San Jacinto River, originate within the county. The large drainage areas, particularly on East Fork of San Jacinto River, West Fork of San Jacinto River, Spring, Lake, Caney, and Peach Creeks, coupled with flat topography, result in slow runoff and long-duration flood concentrations. Small culverts and bridges under roads and railroads aggravate the problem. Flooding commonly occurs along all reaches of all of the streams studied. Small overflow occurs during most years and causes minor damage. Larger floods with potential for significant damage occur when the county receives, for example, 9 inches of rainfall in 48 hours. Records indicate the county has a 10-percent chance of this rainfall occurring in any given year (Reference 13). See Figures 1 through 8 for potential flood photographs at selected areas.

Flooding throughout the county has closed roads on numerous occasions. The most notable of these are Rayford Road at Sam Bell Gully, Hardin Store Road at Walnut Creek, Egypt-Honea Road at Lake Creek, Shepard Hill Road at Shepard Branch, Morgan Cemetery Road at Peach Creek, and Crighton Road at Stewarts Creek. These roads are closed for several days at a time. More road closings can be expected when the base flood occurs.

Some previous significant floodings in the county were April 19, 1979, and September 20, 1979. The April storm produced 11.61 inches of rainfall at the Conroe gage, and the September storm produced 5.13 inches of rainfall at the Conroe gage (References 14 and 15). Serious flooding occurred in the county in 1994, 1973, 1960, and 1940. The 1960 rainfall was produced by Hurricane Carla.

The Conroe area is subject to tropical storms. Rainfall over extended time periods is not uncommon for the area. Historically, Stewarts and Alligator Creeks have been the major threats to flooding. The worst flooding occurred in 1973, when these streams flooded three times within the first seven months of the year (Reference 16).

Several floods have occurred in Oak Ridge North. The city received two rainfalls in excess of 10 inches in 1989. Serious flooding occurred as a result and a large number of homes flooded.

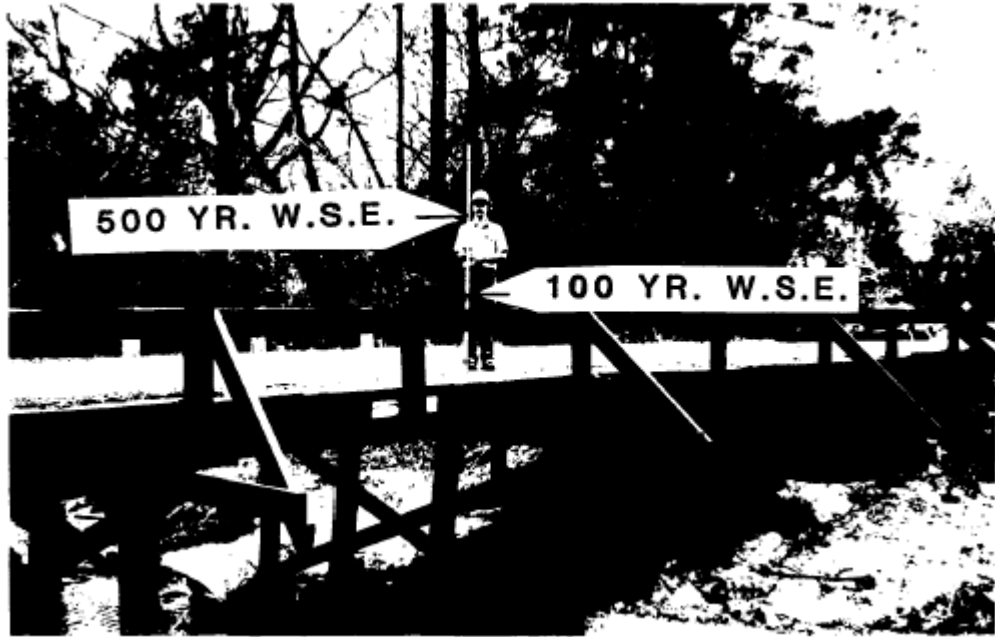


Figure 1 – Potential flood heights at Crighton Road over Stewarts Creek.



Figure 2. – Potential flood heights at Sycamore Drive over Caney Creek.

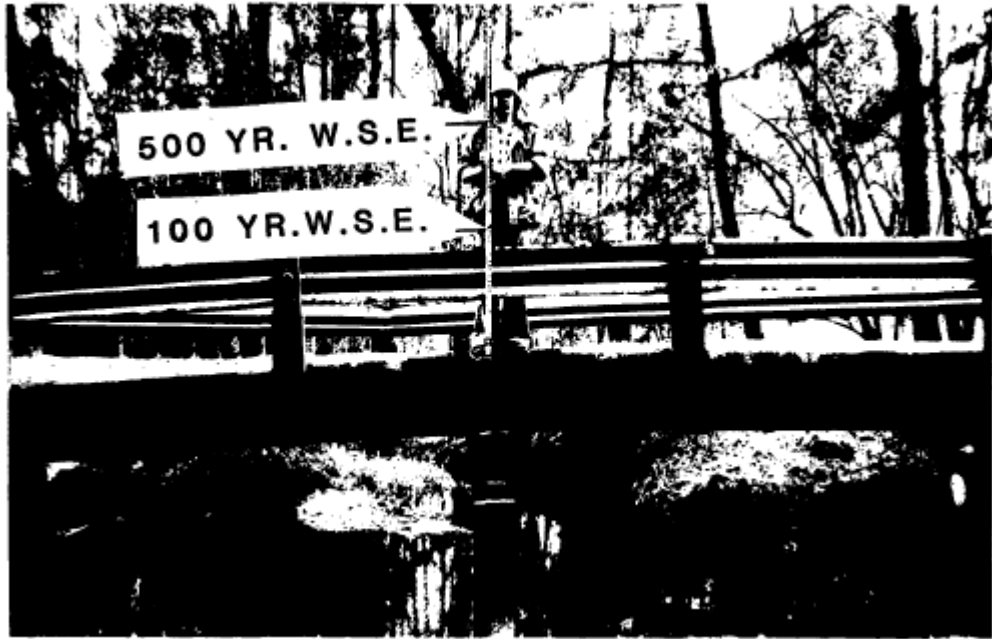


Figure 3 – Potential flood heights at Duck Road over Duck Creek.

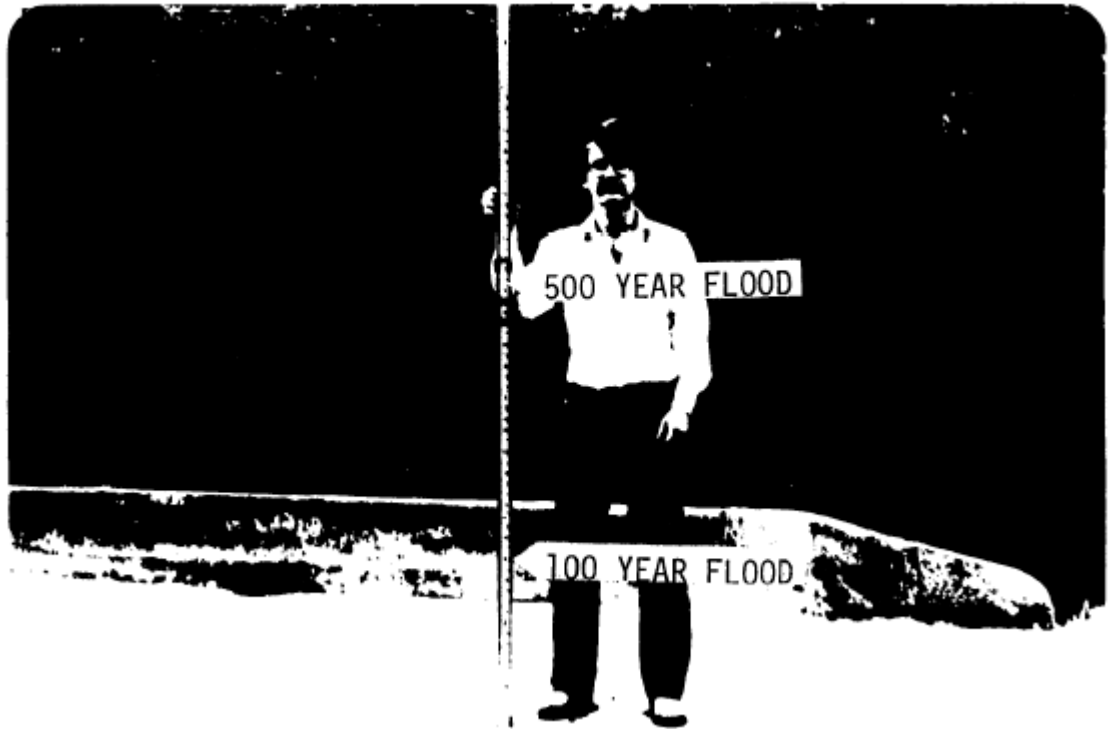


Figure 4 – Potential flood heights at FM 1486 over Mill Creek.

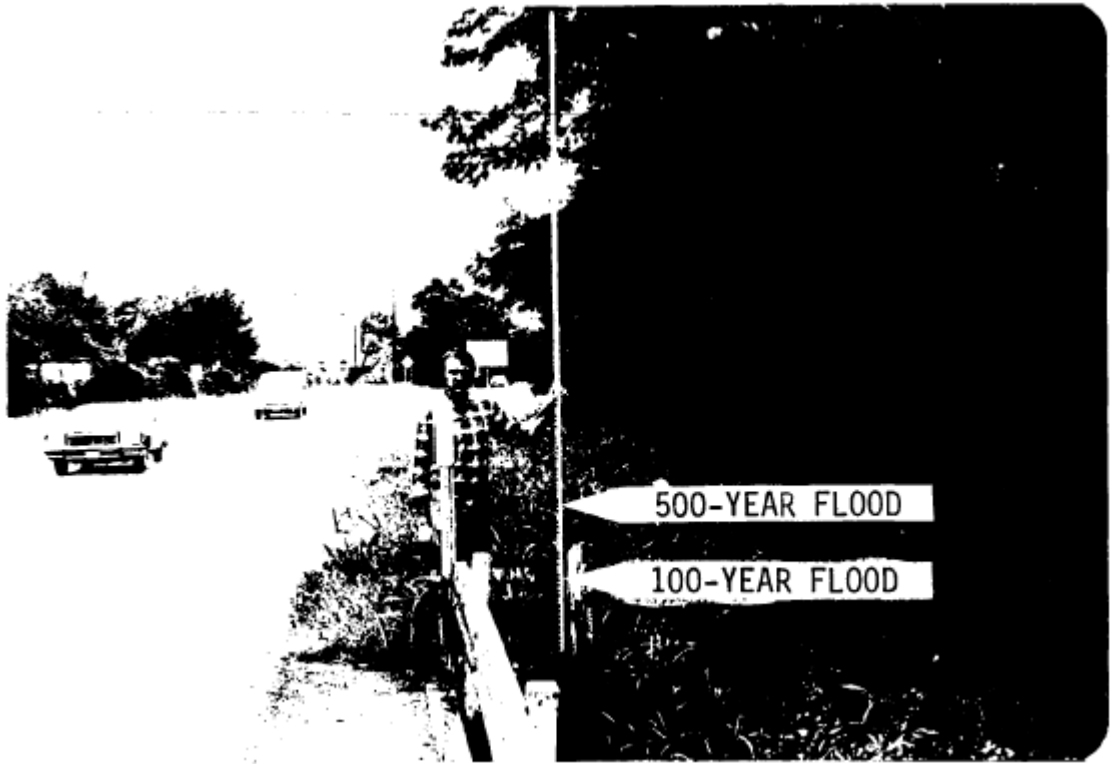


Figure 5 – Potential flood heights at FM 149 over Town Creek.



Figure 6 – Potential flood heights at FM 830 over Live Branch.



Figure 7 – Potential flood heights at FM 149 over Little Lake Creek.



Figure 8 – Potential flood heights at FM 1375 over Caney Creek North.

2.4. Flood Protection Measures

Numerous subdivisions in the county have enlarged drainage ditches to help alleviate the flood problems in their immediate vicinity. Most of these improvements, however, have very little effect on the base flood. All existing structures and improvements were considered when the hydrologic and hydraulic analyses were made.

3.0 ENGINEERING METHODS

For the flooding sources studied by detailed methods in the community, standard hydrologic and hydraulic study methods were used to determine the flood-hazard data required for this study. Flood events of a magnitude that are expected to be equaled or exceeded once on the average during any 10-, 50-, 100-, or 500-year period (recurrence interval) have been selected as having special significance for floodplain management and for flood insurance rates. These events, commonly termed the 10-, 50-, 100-, and 500-year floods, have a 10-, 2-, 1-, and 0.2-percent chance, respectively, of being equaled or exceeded during any year. Although the recurrence interval represents the long-term, average period between floods of a specific magnitude, rare floods could occur at short intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than 1 year are considered. For example, the risk of having a flood that equals or exceeds the 1-percent-annual-chance flood in any 50-year period is approximately 40 percent (4 in 10); for any 90-year period, the risk increases to approximately 60 percent (6 in 10). The analyses reported herein reflect flooding potentials based on conditions existing in the community at the time of completion of this study. Maps and flood elevations will be amended periodically to reflect future changes.

3.1. Hydrologic Analyses

Hydrologic analyses were carried out to establish peak discharge-frequency relationships for each flooding source studied by detailed methods affecting the community.

Hydrologic evaluations were based on synthetic frequency methods. Rainfall-frequency data were obtained from U.S. Department of Commerce, Weather Bureau (USWB) Technical Paper No. 49, "Rainfall Frequency Atlas of the United States" (Reference 13). Values greater than the 1-percent-annual-chance frequency event were determined by extrapolation of data on standard log-log paper.

For all streams within the county, except Spring Creek, Lake Creek, Bens Branch, Bens Branch Tributary No. 2, and portions of White Oak Creek, peak-discharge values for various frequencies were determined using NRCS "Computer Program for Project Formulation" (Reference 17). Peak discharges for, Sam Bell Gully, and portions of White Oak Creek were obtained from the United States Army Corps of Engineers (USACE). Peak discharges for Bens Branch and Bens Branch Tributary No. 2 were obtained using the USACE HEC-1 computer program (Reference 18). For Mill Creek and Mill Creek Tributary No. 5, hydrologic analyses outlined above remain unchanged.

Rainfall-frequency data for Sam Bell Gully were obtained from USWB Technical Paper No. 49 (Reference 13). The peak discharges were determined by routing various storm frequencies within a 24-hour rainfall duration using the NRCS "Computer Program for Project Formulation" (Reference 17).

The hydrologic analysis for the Bens Branch restudy completed in September 22, 1999 was performed using the USACE HEC-1 computer program (Reference 18). The model

developed was a direct combination of the effective models for Harris and Montgomery Counties. The model determines flow-discharge values for the 10-, 2-, and 1-percent-annual-chance flood storm events. The storm duration consisted of 24 hours at 15-minute intervals. Infiltration losses were modeled using the HEC-1 exponential loss function. Clark's unit-hydrograph method was used to determine subbasin runoff, while the modified-PuIs method was used to perform all stream-flow routing in the HEC-1 model. The 0.2-percent-annual-chance flood discharges were determined using semi-log probability paper. Peak discharge-drainage area relationships for Bens Branch are shown in Table 2, "Summary of Discharges."

Lake Creek from its confluence with West Fork San Jacinto River to Landrum Creek was restudied in 2007 (Reference 1). The flow was developed using the USACE HEC-HMS computer program (Reference 19) along with the new LiDAR topographic data. Modeling parameters as prescribed in the Montgomery County Drainage Criteria Manual (Reference 20) were used for the analysis.

Spring Creek peak discharges were revised based on the 2007 Harris County FIS Study (Reference 2).

A summary of the drainage area-peak discharge relationship for the streams studied by detailed methods is shown in Table 2, "Summary of Discharges." In some cases, the discharges are attenuated in the downstream direction due to storage in the overbanks.

To establish the elevations for the county that is flooded by backwater from Lake Conroe and Lewis Creek Reservoir, a reservoir-routing operation was performed using the NRCS "Computer Program for Project Formulation" (Reference 17). The results of the reservoir routing are summarized in Table 3, "Summary of Stillwater Elevations."

3.2. Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals. Users should aware that flood elevations shown on the FIRM represent rounded whole-foot elevations and may not exactly reflect the elevations shown on the Flood Profiles or in the Floodway Data tables in the FIS report. Flood elevations shown on the FIRM are primarily intended for flood insurance rating purposes. For construction and /or floodplain management purposes, users are cautioned to use the flood elevation data presented in this FIS in conjunction with the data shown on the FIRM.

Cross-section data for the streams in the study area were obtained by field surveys. All bridges, dams, and culverts were field checked to obtain elevation data and structural geometry.

Locations of selected cross sections in the hydraulic analyses are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway was computed (Section 4.2), selected cross-section locations are also shown on the Flood Insurance Rate Map (FIRM) (Exhibit 2). Due to more accurate stream alignments determined during this study, along certain portions of Bens Branch, a profile baseline is shown on the maps to represent channel distances as indicated on the Flood Profiles and Floodway Data Tables.

Channel roughness factors (Manning's "n") used in the hydraulic computations for the streams studied by detailed methods (shown in Table 4, "Summary of Manning's "n" Values") were assigned on the basis of field inspections of floodplain areas.

TABLE 2 – SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
ALLIGATOR CREEK					
At Cross Section A	4.70	963	2,224	2,969	5,136
At Cross Section B	4.53	1,065	2,453	3,275	5,665
At Cross Section C	3.97	2,995	4,620	5,390	7,350
At Old Montgomery Road	3.78	2,850	4,400	5,130	7,000
ANTHONY BRANCH					
At Cross Section A	3.64	722	1,721	2,320	4,072
At Cross Section B	2.97	747	1,791	2,418	4,250
At Cross Section D	1.35	400	981	1,325	2,330
At FM 149	0.48	191	449	602	1,048
ARNOLD BRANCH					
At Cross Section A	3.13	576	1,362	1,829	3,190
At Cross Section C	2.93	575	1,352	1,835	3,208
At Magnolia-Waller Road	1.81	441	1,033	1,386	2,416
At FM 1488	0.91	330	781	1,049	1,827
At Old Hempstead Road	0.55	222	514	687	1,189
ATKINS CREEK					
At Cross Section A	9.94	1,919	3,673	4,663	7,473
At Cross Section B	8.87	1,878	3,601	4,572	7,330
At FM 1097	0.82	421	817	1,039	1,670
At Cross Section F	0.42	246	476	605	970
BASE CREEK					
At State Route 105	2.32	230	802	1,183	2,377
At Old State Route 105	1.89	237	828	1,223	2,461
At Cross Section G	1.02	163	574	846	1,697
BAY BRANCH					
At FM 1795	3.27	941	2,166	2,891	4,995
At Cross Section C	1.78	567	1,297	1,728	2,979
At FM 149	0.53	209	478	637	1,098
BEAR BRANCH					
At Cross Section A	15.26	709	2,198	3,189	6,293
At Cross Section K	11.95	633	2,050	3,002	5,993
At Cross Section P	8.84	563	1,912	2,829	5,729
At Cross Section U	4.93	417	1,502	2,228	4,516
At FM 2978	3.29	307	1,121	1,663	3,367
At Cross Section AA	2.01	243	858	1,266	2,547
At FM 1488	1.02	188	656	966	1,939
At Cross Section AE	0.49	133	462	680	1,364
At Cross Section AF	0.11	19	66	96	192

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
BEE BRANCH					
At Cross Section A	5.11	775	2,330	3,453	5,129
At Fostoria Road	3.07	457	1,300	1,908	2,799
At Cross Section F	2.68	423	1,221	1,788	2,630
BELL CREEK					
At State Route 830	1.14	545	1,042	1,322	2,113
At Cross Section E	0.57	343	653	826	1,317
At Cross Section G	0.13	89	167	211	336
BENS BRANCH					
Approximately 5.5 miles upstream of confluence with West Fork of San Jacinto River	4.65	1,160	1,640	1,920	2,550
Approximately 6 miles upstream of confluence with West Fork of San Jacinto River	3.36	840	1,190	1,400	1,850
Just upstream of Southern Pacific Railroad	2.89	820	1,150	1,330	1,580
Approximately 6.4 miles upstream of confluence with West Fork of San Jacinto River	0.48	230	320	360	480
Approximately 100 feet upstream of US Highway 59	0.24	165	192	204	233
BENS BRANCH TRIBUTARY NO. 1					
At Cross Section A	1.36	197	529	731	1,331
At Martin Drive	0.87	144	365	502	911
At U.S. Route 59	0.65	124	332	457	829
At Cross Section M	0.36	95	238	326	584
BENS BRANCH TRIBUTARY NO. 2					
At Confluence with Bens Branch	2.4	486	530	580	650
At upstream side of the diversion ditch	--	707	990	1,170	1,722
At downstream side of Wallis Drive	--	636	891	1,049	1,722
At downstream side of Martin Drive	--	608	851	1,003	1,722
At downstream side of Hammond Drive	--	587	822	968	1,722
BENTWOOD DIVERSION CHANNEL					
At confluence with West Fork of San Jacinto River	6.16	1,864	2,697	3,071	3,994

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
BENTWOOD DIVERSION CHANNEL (continued)					
Approximately 3,700 feet upstream of Oakhurst Forest Drive	3.01	675	962	1,086	1,400
Approximately 1,500 feet upstream of Sobers Road	2.53	538	838	980	1,345

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
BRUSHY CREEK					
At Cross Section A	48.44	3,469	8,138	12,073	21,982
At Cross Section F	43.85	3,635	8,379	12,912	23,588
At Cross Section G	15.29	1,132	2,468	4,353	8,142
CAMP CREEK					
At Cross Section A	10.53	900	2,380	3,333	6,424
At Cross Section F	8.57	809	2,201	3,101	6,039
At Cross Section K	6.11	697	2,010	2,865	5,659
At Willis-County Line Road	4.90	646	1,964	2,810	5,572
At Cross Section O	2.47	337	1,040	1,493	2,975
At Willis-Mt. Zion Road	1.55	262	796	1,141	2,265
At Missouri Pacific Railroad	0.76	163	493	705	1,394
At Cross Section V	0.45	91	270	384	753
CANEY CREEK					
At Cross Section A	341.64	18,751	46,679	65,727	103,534
At Cross Section B	340.82	18,760	46,762	65,864	103,750
At Cross Section C	182.92	10,381	21,069	27,405	47,002
At U.S. Route 59	173.97	10,508	21,303	27,699	47,468
At Cross Section P	170.96	10,566	21,411	27,833	47,678
At Cross Section Q	152.57	10,442	21,095	27,391	46,815
At Cross Section R	115.49	9,855	19,718	25,523	43,376
At Cross Section AK	100.55	10,455	20,717	26,722	45,097
At Conroe by Spot Road	92.45	10,309	20,446	26,373	44,501
At Cross Section AV	91.84	10,308	20,442	26,367	44,485
At Cross Section AW	78.20	9,628	18,886	24,264	40,622
At Cross Section BB	72.02	9,512	18,660	23,968	40,092
At Cross Section BC	60.88	8,858	17,160	21,946	36,409
At Cross Section BG	56.22	8,798	17,011	21,739	36,012
At Cross Section BU	44.11	8,313	15,966	20,356	33,575
At Cross Section BV	18.77	2,184	4,699	6,200	10,830
At county line	11.45	1,563	3,479	4,629	8,199
CANEY CREEK NORTH					
At Cross Section A	40.16	3,319	7,482	9,968	17,252
At Cross Section D	33.90	3,082	6,999	9,333	16,174
At FM 1375	28.05	2,819	6,448	8,621	14,989
At Cross Section M	18.36	2,390	5,544	7,429	12,943
At Cross Section Q	11.74	2,035	4,763	6,394	11,158
At FM 1791	8.12	1,383	3,232	4,337	7,563
At Forest Service Road No. 209	4.53	1,126	2,636	3,537	6,163
At Cross Section Y	1.92	610	1,440	1,935	3,376
At Cross Section AA	0.58	229	530	709	1,228

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
CANEY CREEK NORTH TRIBUTARY NO. 1					
At Cross Section A	1.19	373	891	1,201	2,105
At Cross Section B	0.91	326	772	1,038	1,814
At Cross Section C	0.24	99	230	309	537
CANEY CREEK NORTH TRIBUTARY NO. 2					
At Cross Section A	1.54	376	901	1,216	2,140
At Forest Glen Drive	1.23	377	904	1,220	2,144
At Rose Road	0.92	317	757	1,020	1,789
At FM 149	0.67	252	597	802	1,401
CANEY CREEK NORTH TRIBUTARY NO. 3					
At Cross Section A	1.13	319	789	1,066	1,874
At Cross Section B	0.65	228	543	732	1,281
At Cross Section D	0.06	27	61	81	140
CANEY CREEK NO. 2					
At Chicago, Rock Island & Pacific Railroad and Fort Worth and Denver Railway	58.28	6,681	13,841	17,990	29,925
At Old Highway 105	51.95	6,528	13,579	17,662	29,403
At Cross Section K	40.48	6,625	13,840	18,005	29,955
CANEY CREEK TRIBUTARY NO. 1					
At Cross Section A	3.78	545	1,473	2,056	3,932
At Johnson Road	2.53	425	1,106	1,530	2,876
At FM 1485	1.95	396	1,075	1,492	2,818
At U. S. Highway Loop 494	1.78	390	1,087	1,512	2,861
At Cross Section K	0.54	118	324	450	853
CANEY CREEK TRIBUTARY NO. 2					
At FM 1484	2.52	273	809	1,161	2,315
At Cross Section G	1.50	224	694	1,002	2,012
At Cross Section H	0.66	112	353	510	1,023
CANEY CREEK TRIBUTARY NO. 3					
At Cross Section A	2.09	822	1,571	1,994	3,247
At Cross Section E	1.15	701	1,342	1,704	2,876
At Cross Section F	0.65	520	1,002	1,273	2,074
CARTERS SLOUGH					
At Cross Section A	5.72	719	1,724	2,329	4,106
At Concord Drive	5.07	708	1,704	2,305	4,094
At White Birch Drive	4.92	721	1,755	2,377	4,216

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
CARTERS SLOUGH (continued)					
At Lexington Drive	4.78	733	1,804	2,446	4,334
At Cross Section H	1.93	330	804	1,088	1,921
At Cross Section I	1.18	289	703	949	1,668
At Interstate 45	0.73	---	---	634	---
CARWILE CREEK					
At Cross Section A	1.64	822	1,578	2,004	3,208
At Cross Section B	0.79	487	927	1,173	1,872
CHAMBERS CREEK					
At Cross Section A	1.22	645	1,247	1,585	2,544
At Cross Section B	0.72	440	846	1,073	1,718
At Cross Section C	0.18	119	227	287	460
CHURCH HOUSE GULLY					
At Cross Section A	1.32	198	636	923	1,812
At Cross Section B	0.36	61	198	287	561
At Cross Section D	0.14	27	86	125	245
CRYSTAL CREEK					
At Cross Section A	46.62	1,772	4,954	7,041	13,590
At Cross Section L	34.66	1,474	4,235	6,047	11,702
At FM 1314	25.90	1,166	3,450	4,959	9,663
At State Highway 105	19.73	1,011	3,082	4,456	8,747
At FM 1484	11.52	773	2,539	3,720	7,438
At Cross Section AN	6.31	531	1,834	2,702	5,420
At Cross Section AO	3.65	336	1,119	1,635	3,257
At U.S. Route 75	1.75	230	794	1,164	2,340
At Powell Street	0.41	93	309	451	911
At Cross Section AZ	0.19	36	118	172	339
CRYSTAL CREEK TRIBUTARY NO. 1					
At Cross Section A	4.34	356	1,132	1,644	3,241
At Humble Road	2.09	252	862	1,259	2,495
At Cross Section J	1.20	189	603	875	1,755
CRYSTAL CREEK TRIBUTARY NO. 2					
At Cross Section A	0.72	89	318	465	921
At Deep Forest Drive	0.58	86	288	420	828
At Cross Section G	0.46	81	265	385	758

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
CRYSTAL CREEK TRIBUTARY NO. 3					
At State Highway 105	2.15	181	667	995	2,030
At Cross Section E	1.95	195	741	1,108	2,270
CRYSTAL CREEK TRIBUTARY NO. 4					
At Cross Section A	1.72	163	596	886	1,803
At Cross Section B	1.64	168	609	908	1,923
At Cross Section C	0.96	92	335	499	1,022
At Cross Section H	0.68	84	302	449	938
CRYSTAL CREEK TRIBUTARY NO. 5					
At Oak Leaf Road	0.66	84	309	458	926
At Long Leaf Road	0.62	82	300	445	900
DECKER BRANCH					
At Cross Section A	10.07	665	2,006	2,883	5,601
At Missouri Pacific Railroad	7.78	562	1,748	2,527	4,951
At FM 149	6.27	539	1,745	2,543	5,044
At Cross Section O	4.94	478	1,559	2,274	4,538
At Cross Section P	2.02	230	721	1,041	2,028
At Oak Valley Lane	1.63	230	724	1,045	2,034
At Cross Section Y	0.89	162	516	745	1,453
DECKER BRANCH TRIBUTARY NO. 1					
At Cross Section A	1.58	170	625	924	1,859
At Coe Road	0.83	100	356	525	1,053
At Cross Section G	0.39	58	204	299	598
DEER LAKE BRANCH					
At Buckridge Road	1.74	561	1,339	1,805	3,165
At Cross Section B	1.46	516	1,228	1,654	2,897
DRY CREEK					
At FM 1485	17.75	2,456	5,090	6,638	11,367
At Cross Section F	13.95	2,190	4,604	6,030	10,384
At Cross Section J	10.84	1,992	4,271	5,633	9,776
At Cross Section O	5.49	1,252	2,738	3,619	6,317
At Cross Section P	3.54	711	1,571	2,083	3,661
At Cross Section V	3.40	661	1,464	1,942	3,417
At Cross Section W	2.22	522	1,121	1,483	2,568

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
DRY CREEK NO. 2					
At Cross Section A	15.82	852	2,680	3,897	7,701
At FM 2978	12.51	743	2,416	3,537	7,059
At Cross Section N	10.16	691	2,395	3,550	7,202
At Cross Section O	7.66	546	1,871	2,774	5,667
At Cross Section P	3.00	243	796	1,162	2,302
At Cross Section X	1.99	210	705	1,036	2,064
At Cross Section AA	1.39	184	625	915	1,819
DRY CREEK NO. 2 TRIBUTARY NO. 1					
At Cross Section A	2.78	726	979	1,136	1,610
At Cross Section D	1.57	450	650	730	1,040
At Cross Section E	0.27	45	157	232	465
At Cross Section I	0.04	8	27	39	76
DUCK CREEK					
At Cross Section A	5.46	506	2,093	3,348	5,298
At Cross Section D	4.07	401	1,793	2,891	4,597
At Cross Section G	1.43	145	589	936	1,473
EAST FORK OF SAN JACINTO RIVER					
At East River Road	381.56	18,381	41,289	55,106	96,026
At Cross Section D	374.41	18,553	41,701	55,670	97,049
At Cross Section G	365.78	18,843	42,327	56,487	98,415
EGYPT CREEK					
At: Cross Section A	1.50	174	581	852	1,697
At Old State Route 105	1.25	179	595	870	1,727
At Cross Section D	0.80	136	455	665	1,320
At: Cross Section E	0.39	68	230	336	666
FISH CREEK					
At Cross Section A	5.95	694	1,797	2,484	4,530
At Cross Section F	4.62	631	1,665	2,350	4,312
At Cross Section I	2.87	476	1,251	1,731	3,165
At FM 2854	1.56	241	634	875	1,591
At Cross Section P	0.94	237	607	835	1,540
GLENEAGLES DIVERSION DITCH					
At Shallow Lane	1.16	276	626	833	1,431
At Cross Section D	0.67	230	517	686	1,198

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
GOODSON BRANCH					
At Cross Section A	2.46	257	883	1,362	2,747
At Cross Section B	0.71	91	328	490	985
At Cross Section A	0.27	46	156	228	452
GRAND LAKE CREEK					
At Cross Section A	1.13	301	702	950	1,675
At South Rivershire Drive	0.85	265	651	878	1,484
At North Rivershire Drive	0.55	200	457	603	994
At Gladstell Street	0.49	189	420	552	927
At Interstate Route 45	0.40	170	362	473	802
At School Road	0.29	142	288	371	609
At Hickerson Street	0.23	116	226	292	499
GREEN BRANCH					
At Cross Section A	0.75	237	564	759	1,329
At Cross Section D	0.37	142	333	446	776
At Cross Section E	0.13	56	130	173	300
GULLY BRANCH					
At Cross Section A	10.08	1,500	4,045	5,833	8,452
At Cross Section J	8.53	1,394	3,835	5,544	8,060
GUM BRANCH					
At Old Fire Trail	6.64	1,057	2,506	3,375	5,921
At Cross Section D	5.43	1,143	2,748	3,706	6,510
HIGHTOWER BRANCH					
At Cross Section A	2.39	489	1,655	2,513	3,804
At Cross Section C	1.75	394	1,312	1,984	2,993
At Cross Section D	0.48	106	364	554	840
HOSSTETTER CREEK					
At Wruff Road	8.17	1,865	3,820	4,940	8,137
At Cross Section D	6.98	1,833	3,767	4,875	8,039
At Cross Section F	3.99	1,480	3,043	3,937	6,482
JAYHAWKER CREEK					
At Cross Section A	22.09	1,945	6,360	9,582	14,464
At Cross Section B	16.14	1,251	3,669	5,565	8,470
At State Route 105	13.67	1,113	3,186	4,690	6,944
At Cross Section I	10.98	960	2,821	4,193	6,257

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
KELLY BRANCH					
At Cross Section A	2.19	470	1,127	1,524	2,688
At Osborn Road	1.38	409	983	1,328	2,335
At Cross Section E	0.73	270	640	861	1,504
KIDHAW BRANCH					
At Cross Section A	3.78	908	2,128	2,856	4,978
At Cross Section B	2.19	647	1,509	2,022	3,516
At State Route 149	0.83	364	846	1,132	1,964
At Cross Section F	0.36	148	342	456	789
LAKE CREEK					
At Confluence with WFSJ	330.74	20,584	38,458	49,921	81,382
At approximately 0.83 miles downstream of Honea-Egypt Road	323.88	20,127	37,623	48,864	79,921
At approximately 1.58 miles downstream of Superior Road	281.90	15,881	30,756	39,672	66,713
At Cross Section Q	267.41	14,614	28,414	36,765	62,979
At Cross Section X	250.84	12,613	26,150	34,248	60,029
At Cross Section AB	241.13	12,830	26,190	33,988	56,659
At Cross Section AH	218.73	12,650	25,692	33,282	55,294
At Cross Section AI	159.88	10,714	22,120	28,780	48,103
At Cross Section AR	154.18	10,923	22,593	29,400	40,123
At Cross Section AS	115.33	9,231	19,427	25,398	42,718
At Cross Section AV	109.29	9,807	20,716	27,093	45,561
At Cross Section AX	105.62	9,780	20,695	27,079	45,567
At Cross Section BB	99.45	9,725	20,641	27,027	45,517
At Cross Section BF	88.61	9,874	21,064	27,616	46,588
At Cross Section BG	88.16	9,475	20,241	26,552	44,905
At Cross Section BH	53.31	6,321	13,575	17,814	30,073
At Cross Section BJ	47.36	7,145	15,417	20,260	34,230
LAKE CREEK TRIBUTARY NO. 1					
At Hoena-Egypt Road	0.94	342	750	989	1,674
At Cross Section D	0.50	204	446	586	990
At Cross Section G	0.18	86	185	243	408
LAKE CREEK TRIBUTARY NO. 2					
At Boars Head Road	1.28	360	790	1,040	1,762
At Cross Section C	1.21	360	790	1,041	1,763
At Cross Section D	1.02	360	791	1,043	1,767
At Cross Section F	0.53	240	520	683	1,151

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
LAKE CREEK TRIBUTARY NO. 3					
At Cross Section A	3.83	762	1,754	2,344	4,099
At Cross Section C	2.89	681	1,601	2,197	3,816
At Cross Section F	1.69	533	1,220	1,627	2,805
At Cross Section G	0.69	237	548	732	1,266
At Cross Section I	0.29	127	286	380	651
LAKE CREEK TRIBUTARY NO. 4					
At Jackson Road	4.88	611	1,795	2,553	4,864
At FM 1486	1.78	361	1,069	1,519	2,890
At Cross Section G	0.92	215	629	892	1,690
LAKE CREEK TRIBUTARY NO. 5					
At Cross Section A	2.87	1,004	1,952	2,488	4,005
At Cross Section C	1.70	818	1,587	2,056	3,308
At Tri-Lake Road	0.72	445	858	1,091	1,749
At Cross Section G	0.48	309	592	752	1,203
LAKE CREEK TRIBUTARY NO. 6					
At Old Highway 105	0.67	340	670	850	1,390
At State Route 1486	0.55	301	589	751	1,212
At Cross Section H	0.33	205	399	509	819
LAKE CREEK TRIBUTARY NO. 7					
At Chicago, Rock Island & Pacific Railroad and Fort Worth and Denver Railway	1.41	574	1,115	1,420	2,284
At Mount Mariah Road	0.65	403	779	991	1,590
At Cross Section H	0.37	222	428	544	872
LANDRUM CREEK					
At Cross Section A	10.18	2,368	4,749	6,106	9,972
At Cross Section B	8.12	1,962	3,878	4,964	8,055
At Spring Branch Road	7.88	2,066	4,145	5,312	8,629
At Cross Section G	3.42	1,124	2,214	2,832	4,585
At Cross Section I	2.47	1,075	2,110	2,695	4,353
At Cross Section J	0.67	367	720	919	1,483
LAWRENCE CREEK					
At Cross Section A	6.80	497	1,938	3,096	4,913
At Cross Section G	5.66	427	1,694	2,728	4,353
At Cross Section M	2.61	230	919	1,461	2,302

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
LEWIS CREEK					
At Cross Section A	4.88	298	659	870	2,608
At Back Toe of Lewis Creek Reservoir	4.18	1	426	762	2,496
At Cross Section C	1.06	471	1,031	1,358	2,294
At Cross Section D	0.42	208	451	593	999
LITTLE CANEY CREEK					
At Simpson Road	7.62	435	1,372	1,995	3,944
At Crighton Road	5.53	368	1,204	1,759	3,497
At Southern Oak Drive	3.76	317	1,075	1,581	3,219
At Avenue M	2.57	271	919	1,345	2,673
At Cross Section Q	1.50	122	422	621	1,240
At Cross Section V	0.65	111	376	550	1,091
LITTLE CANEY CREEK NO. 2					
At Cross Section A	25.03	6,374	11,612	14,536	23,161
At Willis-Mt. Zion Road	19.28	5,808	10,625	13,313	21,235
At Cross Section E	18.19	5,886	10,788	13,523	21,584
At Cross Section F	6.12	2,110	3,846	4,812	7,653
At Cross Section I	4.68	2,307	4,220	5,284	8,410
LITTLE CANEY CREEK NO. 3					
At Chicago, Rock Island & Pacific Railroad and Fort Worth and Denver Railway	37.20	5,069	10,363	13,406	22,126
At Mount Mariah Road	35.22	5,149	10,543	13,647	22,534
At Cross Section I	32.82	5,402	11,089	14,355	23,703
At Cross Section K	29.08	5,508	11,353	14,714	24,336
LITTLE LAKE CREEK					
At Cross Section A	25.42	3,203	7,173	9,521	16,355
At FM 149	20.32	3,031	6,857	9,124	15,725
At Cross Section G	14.61	2,243	5,216	6,990	12,171
At Cross Section I	12.31	2,217	5,192	6,973	12,212
At Cross Section J	7.26	1,395	3,264	4,375	7,616
At Cross Section K	4.86	1,069	2,539	3,398	5,897
At Cross Section M	2.32	701	1,612	2,151	3,713
At Cross Section N	0.94	456	1,046	1,395	2,405
At Cross Section O	0.28	128	288	381	652
LITTLE LAKE CREEK TRIBUTARY NO. 1					
At Mac Road	0.66	201	482	650	1,142
At Cross Section C	0.53	198	468	629	1,099

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
LITTLE LAKE CREEK					
TRIBUTARY NO. 2					
At Big Oak Drive	0.63	191	458	617	1,083
At Parkway Lane	0.55	186	441	594	1,040
At Cross Section K	0.41	156	368	494	863
LITTLE LAKE CREEK					
TRIBUTARY NO. 3					
At Cross Section A	1.57	385	923	1,246	2,190
At Cross Section D	0.64	232	551	741	1,296
LITTLE LAKE CREEK					
TRIBUTARY NO. 4					
At Cross Section A	1.17	449	978	1,286	2,169
At FM 149	0.74	309	672	883	1,489
At Cross Section D	0.34	168	361	473	794
LITTLE LAKE CREEK					
TRIBUTARY NO. 5					
At Cross Section A	5.16	1,400	2,932	3,817	6,472
At Bailey Grove Road	3.67	1,101	2,285	2,965	4,913
At Cross Section E	1.19	557	1,157	1,501	2,480
At Cross Section E	1.19	557	1,157	1,501	2,480
LIVE BRANCH					
At Cross Section A	3.17	723	1,556	2,039	3,423
At State Route 830	1.82	548	1,179	1,545	2,594
At Cross Section H	0.52	307	655	870	1,459
At Cross Section I	0.21	112	235	306	508
LOG GULLY					
At Nichols Sawmill Road	5.03	1170	1,680	1,990	2,630
At Alford Road	2.25	199	716	1,062	2,175
At Lake Shore Drive	1.54	164	583	864	1,751
At FM 1488	1.24	148	522	773	1,564
At Cross Section O	0.84	123	440	652	1,316
MARTIN CREEK					
At Cross Section A	1.86	828	1,625	2,115	3,421
At Cross Section C	1.11	626	1,220	1,555	2,505
At Cross Section G	0.59	376	729	928	1,491
MCRAE CREEK					
At Cross Section A	13.08	894	2,312	3,232	6,248
At FM 1484	10.14	749	1,993	2,800	5,446
At Cross Section K	7.31	587	1,624	2,312	4,609
At FM 3081	5.59	486	1,425	2,065	4,343
At Cross Section R	4.59	420	1,228	1,776	3,674
At Cross Section V	2.59	273	847	1,225	2,472

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
MCRAE CREEK (continued)					
At Cross Section Y	1.24	157	491	709	1,424
MILL CREEK					
At Cross Section A	75.23	2,752	7,067	9,787	18,065
At Chicago, Rock Island & Pacific Railroad	59.88	2,516	6,567	9,144	17,020
At Cross Section U	55.13	2,457	6,481	9,043	16,877
At Cross Section V	54.15	2,535	6,714	9,366	17,446
At Cross Section AD	44.53	2,350	6,386	8,956	16,789
At Cross Section AE	34.08	2,054	5,677	7,999	15,094
At PM 1486	31.53	2,095	5,877	8,303	15,720
At Cross Section AK	28.90	2,028	5,768	8,171	15,540
At Cross Section AM	26.36	1,998	5,786	8,220	15,668
MILL CREEK TRIBUTARY NO. 1					
At Little Thorn Lane	0.66	220	506	675	1,164
At Cross Section L	0.42	177	402	534	918
MILL CREEK TRIBUTARY NO. 2					
At Cross Section A	1.23	510	1,030	1,331	2,196
At Little Thorn Lane	0.99	502	974	1,245	2,022
At Honeysuckle Lane	0.38	143	333	447	775
At Sunflower Lane	0.21	92	214	286	496
At Cross Section M	0.12	49	114	152	265
MILL CREEK TRIBUTARY NO. 3					
At Cross Section A	0.57	377	669	832	1,293
At Cole Valley Drive	0.49	366	647	804	1,248
At Robin George Drive	0.15	186	329	409	635
At Cross Section H	0.06	47	83	103	160
MILL CREEK TRIBUTARY NO. 4					
At Cross Section A	2.89	285	1,033	1,531	3,098
At Cross Section B	2.16	254	898	1,327	2,672
At Cross Section C	0.92	117	432	641	1,300
At Cross Section E	0.38	67	229	336	668
At Cross Section G	0.02	4	14	20	39
MILL CREEK TRIBUTARY NO. 5					
At Cross Section A	7.65	459	1,596	2,368	4,817
At Cross Section B	7.31	460	1,612	2,391	4,863
At Cross Section D	5.27	389	1,412	2,102	4,282
At FM 1486	4.09	383	1,412	2,108	4,311
At Cross Section H	2.06	252	910	1,353	2,752

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
MINK BRANCH					
At Cross Section A	10.41	1,028	2,653	3,659	6,673
At Cross Section C	8.44	1,045	2,726	3,767	6,883
At Nichols Sawmill Road	5.25	550	1,560	2,207	4,162
At Cross Section H	3.89	542	1,618	2,294	4,379
At FM 1488	2.39	401	1,168	1,652	3,122
At Cross Section L	1.67	316	944	1,338	2,536
At Goodson Road	0.63	159	451	634	1,188
MOUND CREEK					
At Cross Section A	19.99	1,753	4,384	6,003	10,830
At Hoena-Egypt Road	16.61	1,683	4,257	5,844	10,587
At FM 2854	11.43	1,424	3,675	5,071	9,228
At Cross Section Q	8.34	1,165	3,009	4,144	7,521
At Cross Section T	6.88	1,120	3,160	4,355	7,911
At Rabon Chapel Road	3.24	546	1,405	1,933	3,501
At Cross Section Z	1.81	456	1,187	1,637	2,974
At Cross Section AC	0.24	88	218	296	529
MOUND CREEK TRIBUTARY NO. 1					
At Cross Section A	0.83	141	435	624	1,204
At Stinson Lane	0.43	119	364	522	1,003
At Cross Section E	0.28	69	202	287	545
ORTON GULLY					
At Cross Section A	1.09	254	639	864	1,523
At Cross Section C	0.76	242	578	779	1,365
At Cross Section E	0.48	177	419	563	984
PANTHER BRANCH					
At Cross Section A	34.23	1,294	3,777	5,424	10,583
At Sawdust Road	32.87	1,288	3,788	5,455	10,678
At Cross Section Y	24.13	1,106	3,432	5,019	10,068
At Cross Section Z	8.48	521	1,739	2,559	5,137
At Cross Section AF	6.57	448	1,536	2,268	4,579
At Cross Section AG	3.84	273	902	1,323	2,655
At FM 1488	2.80	242	854	1,265	2,549
At Cross Section AN	2.07	195	656	971	1,942
At Cross Section AR	1.35	168	576	845	1,685
PANTHER BRANCH TRIBUTARY NO. 1					
At Cross Section A	2.27	193	616	906	1,786
At Cross Section B	2.14	188	604	896	1,771

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
PEACH CREEK					
At Cross Section A	156.49	10,642	29,406	42,942	63,248
At Roman Forest Boulevard	150.81	10,447	28,993	42,389	62,502
At U.S. Route 59	138.29	9,712	27,457	40,338	59,707
At Cross Section S	127.40	9,132	26,184	38,623	57,368
At Cross Section T	117.23	8,432	24,516	36,291	54,070
At Cross Section AB	106.77	8,009	23,551	34,980	52,272
At Cross Section AC	83.55	6,415	19,201	28,650	42,971
At Atchison, Topeka & Santa Fe Railroad	78.75	6,212	18,712	27,965	42,013
At State Route 105	69.96	5,768	17,428	26,039	39,085
At Cross Section AR	61.49	5,371	16,350	24,470	36,753
At Cross Section AS	49.23	4,486	13,860	20,796	31,265
At Cross Section AU	47.87	4,440	13,764	20,637	31,055
At Cross Section AV	30.07	2,948	9,369	14,125	21,331
At FM 3081	19.97	2,418	8,213	12,547	19,123
At Cross Section BI	11.75	1,468	5,112	7,863	12,050
At Cross Section BO	8.95	1,231	4,510	6,974	10,727
At Cross Section BP	4.66	774	2,751	4,197	6,378
At Cross Section BT	0.78	142	481	731	1,108
PEACH CREEK TRIBUTARY NO. 1					
At Cross Section A	9.73	2,511	6,033	8,381	11,762
At Cross Section F	8.91	2,451	5,923	8,243	11,759
At Cross Section G	4.01	960	2,358	3,400	4,802
At Cross Section L	2.01	570	1,450	1,890	2,700
PEACH CREEK TRIBUTARY NO. 2					
At Cross Section A	0.81	128	470	730	1,128
At Cross Section D	0.56	104	390	605	931
PEACH CREEK TRIBUTARY NO. 3					
At Cross Section A	3.75	437	1,897	3,045	4,823
At Cross Section C	1.68	228	1,015	1,623	2,562
At Cross Section E	0.41	70	283	446	697
POLE CREEK					
At Cross Section A	3.54	651	1,548	2,087	3,668
At Cross Section B	3.01	623	1,489	2,008	3,529
At Cross Section D	2.60	696	1,658	2,234	3,916
At Cross Section F	1.18	390	930	1,254	2,197
At Cross Section G	0.40	151	356	479	836

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
RUSH CREEK					
At Cross Section A	1.64	325	873	1,215	2,316
At Cross Section B	1.61	327	918	1,281	2,366
At Cross Section C	1.07	280	730	1,007	1,831
At Spring Stream Road	0.34	108	273	373	671
At Cross Section I	0.17	62	153	209	373
RUSH CREEK TRIBUTARY NO. 1					
At Cross Section A	0.68	182	494	687	1,265
At Tejas Road	0.41	124	329	456	834
RUSH CREEK TRIBUTARY NO. 2					
At Comanche Road	0.41	86	258	367	702
At Cross Section D	0.27	64	188	268	509
At Ridgewood Road	0.94	654	801	886	1,509
At Robinson Road	0.68	479	611	682	935
SAM BELL GULLY					
At Maplewood Drive	1.27	1,059	1,263	1,383	1,990
At Ridgewood Drive	0.76	654	801	886	1,509
At Robinson Road	0.73	479	611	682	935
SAM BELL GULLY DIVERSION CHANNEL					
At mouth ⁴	7.5	3,014	-- ⁵	4,277	5,185
SAND BRANCH					
At Cross Section A	1.13	127	446	660	1,332
At West Creek Drive	0.90	116	423	627	1,268
At Cross Section F	0.81	111	413	612	1,238
SAND BRANCH NO. 2					
At Cross Section A	1.73	462	1,100	1,482	2,597
At Cross Section C	1.06	367	872	1,173	2,051
At Cross Section D	0.36	144	336	450	781
At Cross Section E	0.05	23	51	68	117
SANDY BRANCH					
At Simpson Road	2.25	217	712	1,036	2,040
At Stidham Road	2.02	213	718	1,047	2,070
At Cross Section E	1.51	182	618	904	1,794

⁴ Discharge data provided by the USACE

⁵ Not computed

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
At Cross Section F	1.05	161	517	749	1,467
SHEPARD BRANCH					
At Cross Section A	2.10	818	1,592	2,029	3,267
At Shepard Hill Road	1.53	843	1,632	2,076	3,333
At Cross Section D	0.97	648	1,253	1,594	2,559
SHEPARD BRANCH					
At Pickle Barn Road	0.36	223	429	545	874
SILVERDALE CREEK					
At Cross Section A	1.97	541	1,116	1,482	2,573
At Interstate Route 45	1.43	489	1,035	1,348	2,199
Upstream side of Interstate Routes 45 and 75	1.19	394	814	1,067	1,811
At Cross Section E	0.98	361	755	997	1,695
At Foster Drive	0.63	237	497	655	1,112
At Marilyn Street	0.29	107	228	300	510
At Silverdale Drive	0.23	93	198	260	439
At Wagers Street	0.20	86	182	239	401
SPRING BRANCH					
At Cross Section A	35.76	3,119	7,283	9,867	18,099
At FM 2090	27.80	2,753	6,756	9,272	17,351
At Cross Section L	25.34	2,606	6,527	9,054	17,101
At Cross Section M	8.53	1,513	3,618	4,896	8,890
At Cross Section N	5.68	1,105	2,616	3,536	6,408
At Cross Section O	3.69	864	2,046	2,763	4,999
At Atchison, Topeka & Santa Fe Railroad	2.05	582	1,377	1,857	3,352
At Cross Section T	1.77	535	1,265	1,705	3,077
At Cross Section U	0.71	239	565	762	1,371
SPRING BRANCH NO. 2					
At Cross Section A	1.84	536	1,151	1,518	2,551
At Cross Section B	1.57	590	1,261	1,651	2,766
At Spring Branch Road	0.33	179	382	500	834
At Cross Section H	0.15	79	167	218	362
SPRING CREEK					
At mouth	760.6	23,700	56,400	75,700	134,000
Below Cypress Creek	757.3	24,300	57,200	76,800	135,000
Above Cypress Creek	437.9	13,900	36,300	51,600	101,000
Above Riley Fussel Road	422.3	17,600	39,700	52,900	92,206
Above Interstate Route 45	409.3	20,600	42,600	54,000	84,800
Above Panther Branch	370.7	19,500	40,700	51,900	83,000
Below Willow Creek	365.3	19,300	40,400	51,700	82,700

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
SPRING CREEK Continued					
Below Dry Creek	298.0	17,400	37,000	48,100	79,600
Below Mill Creek	267.7	16,500	35,500	46,400	78,200
Above Mill Creek	191.9	14,400	31,800	42,600	74,700
Below Walnut Creek	181.6	17,100	36,300	47,200	78,700
Above Walnut Creek	105.4	8,600	19,500	26,100	46,300
STEWART CREEK NORTH					
At Walden Road	4.77	1,441	2,830	3,607	5,809
At Cross Section C	4.41	1,469	2,860	3,645	5,874
At State Route 105	2.68	1,074	2,084	2,653	4,268
At Cross Section G	1.81	823	1,592	2,026	3,255
At Cross Section H	0.26	168	322	409	654
At Cross Section I	0.26	168	322	409	654
STEWARTS CREEK					
At Cross Section A	18.94	1,060	3,112	4,455	8,618
At Cross Section G	18.53	1,058	3,115	4,461	8,635
At Cross Section H	17.68	1,042	3,081	4,418	8,569
At State Route 336	12.72	878	2,644	3,809	7,488
At Missouri Pacific Railroad	6.89	624	1,916	2,757	5,356
At U.S. Route 75	4.12	487	1,558	2,250	4,386
At FM 830	2.92	443	1,413	2,040	3,974
At Cross Section AI	2.18	406	1,289	1,861	3,624
STEWARTS CREEK TRIBUTARY NO. 1					
At Missouri Pacific Railroad	2.05	175	630	936	1,898
At Cross Section E	1.40	155	572	853	1,737
At Cross Section G	0.63	91	337	501	1,019
SULPHUR BRANCH					
At Hartman Road	6.52	377	1,230	1,803	3,605
At Cross Section D	5.35	334	1,131	1,670	3,370
At Cross Section E					
At Cross Section G	3.98	302	1,074	1,590	3,215
At Green Oak Drive	2.52	230	863	1,286	2,618
At Cross Section N	1.12	142	496	732	1,469
At FM 1774	0.52	98	338	498	998
At Cross Section U	0.17	33	108	158	312
THREEMILE CREEK					
At Cross Section A	27.40	2,488	5,849	8,591	15,507
TOWN CREEK					
At Cross Section A	7.29	1,900	3,646	4,629	7,419
At Cross Section B	6.35	2,062	3,953	5,017	8,033

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
TOWN CREEK Continued					
At FM 149	5.17	1,759	3,376	4,285	6,864
At Cross Section E	4.75	1,788	3,429	4,352	6,969
At Cross Section F	3.15	1,287	2,471	3,137	5,024
At Cross Section G	1.05	619	1,178	1,491	2,378
At Cross Section H	0.42	279	528	667	1,063
TOWN CREEK TRIBUTARY NO. 1					
At FM 149	0.93	399	767	974	1,561
At FM 1097	0.58	331	634	803	1,284
At Cross Section H	0.33	210	399	504	804
TOWN CREEK TRIBUTARY NO. 2					
At Cross Section A	1.06	573	1,098	1,392	2,226
At Cross Section B	0.42	277	526	665	1,059
TRIBUTARY TO SAM BELL GULLY DIVERSION CHANNEL					
At mouth ⁶	1.5	684	-- ⁷	971	1,177
WALNUT CREEK					
At Cross Section A	75.51	2,794	7,524	10,566	19,921
At Cross Section H	72.29	2,769	7,521	10,579	20,003
At Walnut Creek Drive	65.66	2,615	7,162	10,102	19,170
At Cross Section N	61.33	2,577	7,157	10,124	19,282
At Cross Section O	50.57	2,231	6,446	9,206	17,784
At Cross Section P	49.87	2,235	6,482	9,271	17,929
At Nichols Sawmill Road	44.07	2,091	6,164	8,848	17,212
At Cross Section T	43.74	2,121	6,288	9,033	17,589
At Cross Section Z	38.38	2,101	6,463	9,330	18,237
WALNUT CREEK TRIBUTARY NO. 1					
At Butera Drive	1.72	160	594	887	1,816
At Cross Section C	1.03	92	346	521	1,078
At Cross Section E	0.63	73	269	400	813
WATERHOLE BRANCH					
At Cross Section A	4.35	1,204	2,726	3,723	5,146
At Cross Section D	3.87	1,152	2,626	3,613	5,004

⁶ Discharge data provided by the USACE

⁷ Not Computed

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
WEIRS CREEK					
At Cross Section A	11.86	2,807	5,603	7,195	11,727
At Cross Section E	5.52	1,949	3,966	5,117	8,394
At Cross Section F	3.26	1,151	2,304	2,958	4,818
At Interstate Route 45	1.65	877	1,743	2,233	3,635
At State Route 75	1.56	852	1,692	2,167	3,516
WEIRS CREEK TRIBUTARY NO. 1					
At Cross Section A	2.16	853	1,770	2,296	3,797
At Cross Section B	0.64	335	690	892	1,470
At Cross Section E	0.09	53	107	137	225
WEST FORK OF CRYSTAL CREEK					
At FM 1314	8.64	560	1,725	2,492	4,880
At Cross Section G	6.93	512	1,636	2,390	4,890
At Cross Section H	4.64	407	1,311	1,910	3,782
At Humble Road	3.37	333	1,075	1,566	3,091
At State Highway 105	2.54	306	998	1,453	2,862
At Cross Section Q	2.18	297	973	1,416	2,788
WEST FORK OF SAN JACINTO RIVER					
At County Line	1,744.71	29,910	109,901	148,594	264,717
At Cross Section B	986.55	29,943	72,509	97,318	164,544
At Cross Section I	960.55	30,571	73,645	98,593	165,249
At Cross Section O	942.31	30,807	74,300	99,367	165,553
At Cross Section S	919.45	30,973	74,707	99,818	165,541
At Cross Section T	870.60	30,825	73,467	97,775	161,279
At Cross Section W	866.56	30,959	73,820	98,144	161,349
At Cross Section X	850.92	31,026	73,804	97,882	160,542
At Interstate Route 45	827.48	31,432	73,578	97,307	158,840
At Cross Section AJ	811.71	32,952	74,795	98,048	158,839
At Cross Section AK	477.09	27,038	63,784	83,922	132,870
At FM 2854	468.30	27,456	63,868	83,859	131,919
At Sate Route 105	451.56	27,992	63,703	83,371	130,088
At Back Toe of Lake Conroe Dam	445.00	28,668	63,700	83,249	129,329
WEST FORK OF SPRING BRANCH					
At Cross Section A	15.78	1,254	3,186	4,446	8,722
At Cross Section C	10.08	863	2,228	3,108	5,980
At Atchison, Topeka & Santa Fe Railroad	8.30	766	2,013	2,834	5,583
At State Highway 105	6.06	611	1,632	2,289	4,549
At Cross Section O	3.65	452	1,278	1,807	3,523
At Cross Section W	2.79	422	1,214	1,722	3,368
At Cross Section X	1.67	304	880	1,249	2,442

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
WEST FORK OF SPRING BRANCH Continued					
At Cross Section AA	0.58	142	410	581	1,133
At Cross Section AD	0.30	67	188	265	513
WHITE OAK CREEK					
At Cross Section A	23.47	4,657	6,767	7,830	10,239
At Cross Section E	20.49	4,275	6,181	7,133	9,420
At Loop 494	18.31	3,812	5,495	6,338	8,356
At US Route 59	17.50	3,648	5,250	6,052	7,930
At Cross Section T	12.94	3,201	4,590	5,283	6,879
At Cross Section W	11.10	2,900	4,145	4,766	6,162
At Cross Section Y	9.76	2,657	3,790	4,353	5,611
At Cross Section AA	5.20	1,378	3,015	3,970	6,718
At Old Houston Road	0.59	192	419	552	935
At FM 1314	0.55	189	415	546	924
At Cross Section AG	0.45	183	401	528	892
WHITE OAK CREEK – NORTH					
At Memorial Drive	8.38	661	2,100	3,044	5,974
At State Route 105	8.00	671	2,154	3,126	6,141
At Longmire Creek	7.51	680	2,205	3,204	6,307
At Cross Section I	5.96	619	2,018	2,937	5,788
At Texas Nursery Road	1.42	167	552	804	1,586
At Cross Section O	0.43	160	242	280	443
At Thunderbird Drive	0.05	100	169	208	348
WHITE OAK CREEK – WEST					
At Cross Section A	9.32	1,026	1,523	1,844	2,100
At Cross Section B	1.67	453	636	741	918
At Cross Section C	0.53	85	210	287	512
WHITE OAK CREEK – WEST TRIBUTARY NO. 1					
At Cross Section A	0.83	37	84	116	221
At Cross Section B	0.69	24	59	83	158
At Cross Section C	0.62	13	36	48	96
At Cross Section D ⁸	0.59	11	26	39	100
At Cross Section E	0.46	56	145	229	440
At Cross Section F	0.36	86	214	294	532
At Cross Section G	0.13	26	64	88	157
WOODSONS GULLY					
At Cross Section A	10.45	1,222	2,854	3,832	6,698

⁸ Water leaves watershed just upstream of this cross section

TABLE 2 – SUMMARY OF DISCHARGES (CONTINUED)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	PEAK DISCHARGES (cfs)			
		10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
WOODSONS GULLY Continued					
At Riley Fussel Road	3.83	691	1,472	1,870	3,369
At Cross Section H	0.40	100	200	248	414
TRADE CENTER DITCH/COLLEGE PARK DITCH					
Downstream of confluence of Harpers Horsepen Branch 3,900 feet downstream of Missouri Pacific Railroad	4.74	2,200	2,900	3,300	4,400
Upstream of confluence of Horsepen Branch	1.59	700	900	1000	1400
WEST FORK OF WHITE OAK CREEK NORTH					
Approximately 1,150 feet upstream of confluence with White Oak Creek North	4.0	---	---	2,080	---
Approximately 3,700 feet upstream of confluence with White Oak Creek North.	3.4	---	---	1,886	---
LOWER TRIBUTARY TO WEST FORK OF WHITE OAK CREEK NORTH					
Approximately 500 feet upstream of confluence with West Fork of White Oak Creek	0.5	---	---	209	---
Approximately 2,900 feet upstream of confluence with West Fork of White Oak Creek	0.3	---	---	147	---
FISH CREEK TRIBUTARY 1					
At a point approximately 600 feet downstream of Leah Drive	0.48	---	---	357	---
PANTHER BRANCH TRIBUTARY NO. 2					
At Cross Section G	0.73	220	354	450	601
Approximately 1,080 feet downstream of Cross Section H	0.57	170	277	353	480
At Cross Section H	0.46	139	226	287	388

TABLE 3 – SUMMARY OF STILL WATER ELEVATIONS

FLOODING SOURCE AND LOCATION	ELEVATION (FEET)			
	10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Lake Conroe	202.6	202.7	202.8	203.2
At dam				
Lewis Creek Reservoir	267.0	267.6	267.7	268.1
At dam				
Retention Pond #1	*	*	110.8	*
Retention Pond #2	*	*	110.8	*
Retention Pond #3	*	*	108.8	*

*Data not available

TABLE 4 – MANNING’S “n” VALUES

<u>STREAM NAME</u>	<u>CHANNEL “N”</u>	<u>OVERBANK “N”</u>
Alligator Creek	.015 - .075	.030 - .150
Anthony Branch	.070 - .080	.090 - .150
Arnold Branch	.040 - .110	.040 - .150
Atkins Creek	.040 - .100	.060 - .125
Base Creek	.030 - .060	.080 - .140
Bay Branch	.060 - .125	.125 - .150
Bear Branch	.045 - .125	.070 - .150
Bee Branch	.050 - .080	.140 - .150
Bell Creek	.040 - .150	.040 - .100
Bens Branch	.070 - .110	.125 - .140
Bens Branch Tributary No.1	.055 - .090	.080 - .140
Bens Branch Tributary No. 2	.035	.095 - .140
Bentwood Diversion Channel	.040	.125 - .140
Brushy Creek	.045 - .070	.140
Camp Creek	.060 - .080	.110 - .150
Caney Creek	.040 - .070	.060 - .150
Caney Creek North	.040 - .110	.040 - .150
Caney Creek North Tributary No. 1	.125	.150
Caney Creek North Tributary No. 2	.060 - .125	.060 - .150
Caney Creek North Tributary No. 3	.060 - .080	.125 - .150
Caney Creek No.2	.045 - .110	.035 - .150
Caney Creek Tributary No. 1	.060 - .090	.120 - .150
Caney Creek Tributary No. 2	.040 - .090	.010 - .150
Caney Creek Tributary No. 3	.060	.050 - .120
Carters Slough	.060 - .120	.140 - .150
Carwile Creek	.100 - .110	.060 - .100
Chambers Creek	.040 - .100	.060 - .125
Church House Gully	.065	.150
Crystal Creek	.040 - .070	.080 - .150
Crystal Creek Tributary No. 1	.055 - .060	.120 - .150
Crystal Creek Tributary No. 2	.050 - .060	.120 - .150
Crystal Creek Tributary No. 3	.040 - .070	.080 - .150
Crystal Creek Tributary No. 4	.050 - .060	.120 - .150
Crystal Creek Tributary No. 5	.060	.140 - .150
Decker Branch	.035 - .080	.030 - .150
Decker Branch Tributary No. 1	.050 - .080	.050 - .150
Deer Lake Branch	.050 - .080	.150
Dry Creek	.055 - .080	.110 - .150
Dry Creek No. 2	.040 - .130	.035 - .150
Dry Creek No. 2 Tributary No. 1	.025 - .120	.120 - .150
Duck Creek	.060 - .070	.130 - .150
East Fork of San Jacinto River	.050 - .070	.130 - .150
Egypt Creek	.040 - .085	.080 - .150
Fish Creek	.040 - .060	.090 - .150
Gleneagles Diversion Ditch	.030 - .045	.130
Goodson Branch	.045 - .090	.090 - .150
Grand Lake Creek	.015 - .075	.030 - .150
Green Branch	.125	.150

TABLE 4 – MANNING'S "n" VALUES (CONTINUED)

<u>STREAM NAME</u>	<u>CHANNEL "N"</u>	<u>OVERBANK "N"</u>
Gully Branch	.060 - .070	.110 - .150
Gum Branch	.100	.100 - .150
Hightower Branch	.060 - .070	.140 - .150
Hosstetter Creek	.035 - .060	.060 - .150
Jayhawker Creek	.050 - .080	.100 - .150
Kelly Branch	.045 - .110	.060 - .150
Kidhaw Branch	.050 - .100	.060 - .150
Lake Creek	.040 - .060	.040 - .150
Lake Creek Tributary No. 1	.110 - .150	.125 - .150
Lake Creek Tributary No. 2	.050 - .070	.125 - .150
Lake Creek Tributary No. 3	.060 - .100	.125 - .150
Lake Creek Tributary No. 4	.045 - .070	.150
Lake Creek Tributary No. 5	.040 - .050	.060 - .140
Lake Creek Tributary No. 6	.065 - .090	.070 - .150
Lake Creek Tributary No. 7	.050 - .080	.060 - .080
Landrum Creek	.040 - .080	.060 - .150
Lawrence Creek	.060 - .070	.130 - .150
Lewis Creek	.100	.060 - .090
Little Caney Creek	.015 - .075	.030 - .150
Little Caney Creek No. 2	.060 - .070	.070 - .120
Little Caney Creek No. 3	.030 - .070	.060 - .150
Little Lake Creek	.080 - .125	.080 - .150
Little Lake Creek Tributary No. 1	.110 - .125	.100 - .150
Little Lake Creek Tributary No. 2	.110	.150
Little Lake Creek Tributary No. 3	.035 - .075	.100 - .150
Little Lake Creek Tributary No. 4	.060 - .080	.080 - .125
Little Lake Creek Tributary No. 5	.040 - .080	.060 - .150
Live Branch	.060 - .125	.125 - .150
Live Oak Branch	.015 - .075	.030 - .150
Log Gully	.050 - .085	.110 - .150
Martin Creek	.045 - .050	.060 - .125
McRae Creek	.040 - .090	.090 - .150
Mill Creek	.040 - .120	.075 - .150
Mill Creek Tributary No. 1	.100 - .130	.130 - .150
Mill Creek Tributary No. 2	.040 - .120	.050 - .150
Mill Creek Tributary No. 3	.045 - .080	.030 - .110
Mill Creek Tributary No. 4	.040 - .110	.040 - .150
Mill Creek Tributary No. 5	.080 - .110	.050 - .150
Mink Branch	.045 - .110	.060 - .150
Mound Creek	.030 - .080	.050 - .150
Mound Creek Tributary No. 1	.040 - .070	.125 - .150
North Fork of Stewarts Creek	.015 - .075	.030 - .150
Orton Gully	.060	.140 - .150
Panther Branch	.014 - .100	.014 - .160
Panther Branch Tributary No. 1 Panther Branch	.012 - .018	.030 - .125
Tributary No. 2	.035 - .110	.060 - .150
Peach Creek	.045 - .070	.060 - .150

TABLE 4 – MANNING'S "n" VALUES (CONTINUED)

<u>STREAM NAME</u>	<u>CHANNEL "N"</u>	<u>OVERBANK "N"</u>
Peach Creek Tributary No. 1	.045 - .070	.060 - .150
Peach Creek Tributary No. 2	.050 - .080	.130 - .140
Peach Creek Tributary No. 3	.050 - .070	.110 - .150
Pole Creek	.045 - .060	.150
Possum Branch	.015 - .075	.030 - .150
Rush Creek	.030 - .080	.060 - .150
Rush Creek Tributary No. 1	.040 - .060	.080 - .150
Rush Creek Tributary No. 2	.040 - .045	.060 - .125
Sam Bell Gully	.015	.050 - .080
Sam Bell Gully Diversion Channel	.040	.040
Sand Branch	.040 - .085	.100 - .140
Sand Branch No. 2	.045 - .100	.150
Sandy Branch	.060 - .075	.100 - .150
Shepard Branch	.035 - .060	.060
Silverdale Creek	.015 - .150	.030 - .150
Spring Branch	.060	.130 - .150
Spring Branch No. 2	.040 - .060	.060 - .150
Spring Creek	.015 - .080	.030 - .200
Stewart Creek North	.035 - .150	.060 - .150
Stewarts Creek	.030 - .075	.060 - .150
Stewarts Creek Tributary No. 1	.015 - .075	.030 - .150
Sulphur Branch	.040 - .110	.040 - .150
Threemile Creek	.065	.140
Town Creek	.035 - .150	.060 - .150
Town Creek Tributary	.035 - .150	.030 - .150
Town Creek Tributary No. 1	.080 - .150	.060 - .150
Town Creek Tributary No. 2	.060 - .100	.110 - .125
Tributary to Sam Bell Gully Diversion Channel	.040	.040
Walnut Creek	.040 - .100	.070 - .150
Walnut Creek Tributary No. 1	.100 - .110	.150
Waterhole Branch	.060	.140 - .150
Weirs Creek	.045 - .070	.060 - .150
Weirs Creek Tributary No. 1	.060 - .080	.060 - .150
West Branch Alligator Creek	.015 - .075	.030 - .150
West Fork of Crystal Creek	.040 - .070	.080 - .150
West Fork of San Jacinto River	.015 - .125	.030 - .150
West Fork of Spring Branch	.040 - .070	.120 - .150
West Fork West Branch Alligator Creek	.015 - .075	.030 - .150
White Oak Creek	.055 - .150	.075 - .150
White Oak Creek - North	.015 - .075	.030 - .150
White Oak Creek - West	.050 - .100	.125 - .150
White Oak Creek - West Tributary No. 1	.050 - .100	.125 - .150
Woodsons Gully	.080	.150
Trade Center Ditch/College Park Ditch	.035 - .150	.050 - .150
West Fork of White Oak Creek North	.050 - .075	.060 - .150
Lower Tributary to West Fork of White Oak Creek North	.015 - .050	.060 - .150

Water-surface elevations of floods of the selected recurrence intervals for Alligator Creek and its tributaries, Bens Branch, Bens Branch Tributary No. 2, Live Oak Branch, North Fork of Stewarts Creek, Possum Branch, Stewarts Creek, and Panther Branch, from upstream of Woodlands Parkway to approximately 1,940 feet upstream of Research Forest Drive, and for Mill Creek and Mill Creek Tributary No. 5 were computed using the USACE HEC-2 computer program (Reference 21). Water surface profiles for Lake Creek (from its confluence with West Fork San Jacinto River to Landrum Creek) and Spring Creek were computed using the USACE HEC-RAS computer software (Reference 22).

Water-surface elevations of floods of the selected recurrence intervals for the remaining streams were computed using the NRCS WSP-2 computer program (Reference 25). Flood profiles were drawn showing computer water-surface elevations for floods of the selected recurrence intervals.

Starting water-surface elevations for East Fork of San Jacinto River and Caney Creek, were provided by the USACE. Starting water-surface elevations for Brushy Creek were based on assumed slopes where Brushy Creek approaches the Spring Creek floodplain. Starting water-surface elevations for Stewart Creek North, Town Creek, and Town Creek Tributary No.2, through the City of Montgomery, were derived from the estimated 10-, 2-, 1-, and 0.2-percent-annual-chance flood elevations at Conroe Lake, calculated by the NRCS. In some instances, a preliminary hand calculation was necessary to provide a smooth transition from the lake elevation to the first cross-section flood elevation on the stream in question.

Starting water-surface elevations for the remaining streams studied by detailed methods were based on elevations from the parent stream for that flooding source, the slope-area method, normal-depth calculations, or elevations of an adjacent study.

For the Bens Branch restudy completed in September 22, 1999 water-surface elevations were computed using the USACE HEC-2 computer program (Reference 21). All waterway-opening and invert elevations through bridges and culverts were obtained through field surveys. Manning's "n" values were established based on field inspections of the floodplain areas. Channel and overbank roughness values ranged from 0.040 to 0.070 and 0.060 to 0.125, respectively. For areas that have ineffective flow reaches, a roughness value of 0.99 was used.

The starting water-surface elevation for the Bens Branch HEC-2 model was determined by the downstream condition in the Harris County effective model. Additionally, two template cross sections at Stations 27171 and 29124 were added to the effective model to decrease stream lengths for computational stability.

The 1999 study also incorporated the results of Letter of Map Revisions (LOMRs) for the City of Oak Ridge North and Montgomery County, Texas, dated September 26, 1997, and a portion of a LOMR for Montgomery County, Texas, dated November 25, 1996.

As a result of the September 26, 1997 LOMRs, the floodplain and floodway delineations of the 1-percent-annual-chance flood along Sam Bell Gully, from approximately 1,500 feet downstream of Maplewood Drive to approximately 100 feet downstream of Paula Lane, have been revised to reflect the results of updated hydraulic and hydrologic analyses. The updated hydraulic analysis incorporated a concrete-lined channel along Sam Bell Gully from just downstream of Maplewood Drive to approximately 100 feet downstream of Paula Lane, the replacement of two 2-foot by 4-foot reinforced-concrete box culverts (RCBs) beneath Robinson Road with two 5-foot by 10-foot RCBs, and the

Robinson Road Diversion. The Robinson Road Diversion diverts flood waters from Sam Bell Gully to the Tributary to Sam Bell Gully Diversion Channel (Tributary). The diversion consists of a culvert along Robinson Road that varies in shape from a 4-foot-diameter reinforced-concrete pipe to a 6-foot by 10-foot RCB. The diversion culvert outlets to a concrete-lined channel with a 30-foot bottom width and 2:1 side slopes before entering the Tributary. This request also included an updated hydrologic analysis and more detailed topographic information along Sam Bell Gully to reflect existing watershed conditions, including the existing Lake Robbins. The revised hydrologic analysis, dated July 7, 1997, and the revised hydraulic analysis, dated July 31, 1997, was included in a report entitled "City of Oak Ridge North Request for Letter of Map Revision" (Reference 23). The revised hydrologic and hydraulic analyses were completed using the USACE HEC-1 and HEC-2 computer programs, respectively (References 18 and 21).

As a result of the revision, the elevations and floodplain and floodway boundary delineations of the regulatory floodway and 1- and 0.2-percent-annual-chance floods along Sam Bell Gully from approximately 1,500 feet downstream of Maplewood Drive to approximately 100 feet downstream of Paula Lane have been modified. A topographic map at a scale of 1:3,600 (Reference 24) was used to produce the new boundaries as shown on the FIRM. A portion of the 0.2-percent-annual-chance flood along Patsy Lane from Robinson Road to Lane was removed as requested by the community.

In this latest countywide FIS 28 miles of Lake Creek from its confluence with West Fork San Jacinto River to Landrum Creek was restudied. The revised modeling resulted in higher water-surface elevations at the downstream end of the stream. The increase can be attributed to the higher flows from the hydrologic model and new topographic data.

Locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway was computed (Section 4.2), selected cross-section locations are also shown on the FIRM (Exhibit 2).

The hydraulic analyses for this study were based on unobstructed flow. The flood elevations shown on the profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

All elevations are referenced to the North American Vertical Datum of 1988 (NGVD88).

3.3. Vertical Datum:

All FIS reports and FIRMs are referenced to a specific vertical datum. The vertical datum provides a starting point against which flood, ground, and structure elevations can be referenced and compared. Until recently, the standard vertical datum used for newly created or revised FIS reports and FIRMs was the National Geodetic Vertical Datum of 1929 (NGVD). With the completion of the North American Vertical Datum of 1988 (NAVD), many FIS reports and FIRMs are now prepared using NAVD as the referenced vertical datum.

Flood elevations shown in this FIS report and on the FIRM are referenced to the NAVD. Flood elevations for Spring Creek studied as part of Tropical Storm Allison Recovery Project (TSARP) are referenced to the NAVD (2001 adjustment). These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. Most of the data used in this countywide FIS were taken from the prior effective FIS reports and FIRMs and adjusted to NAVD. The datum conversion from NGVD to NAVD in Montgomery County is 0.007 feet. Since the average vertical adjustment is less

than 0.25 feet, a differential adjustment was not used for the County. Also, since the average adjustment is less than 0.1 feet, no actual vertical adjustments were made in converting elevation data in the 1999 Montgomery County FIS report (Reference 4) from NGVD to NAVD. The BFEs, profiles, and elevation values in FIS tables were not modified.

For information regarding conversion between the NGVD and NAVD, visit the National Geodetic Survey website at www.ngs.noaa.gov, or contact the National Geodetic Survey at the following address:

NGS Information Services, NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282
(301) 713-3242

Temporary vertical monuments are often established during the preparation of a flood hazard analysis for the purpose of establishing local vertical control. Although these monuments are not shown on the FIRM, they may be found in the Technical Support Data Notebook associated with the FIS report and FIRM for this community. Interested individuals may contact FEMA to access these data.

To obtain current elevation, description, and/or location information for benchmarks shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov.

4.0 FLOODPLAIN MANAGEMENT APPLICATIONS

The NFIP encourages State and local governments to adopt sound floodplain management programs. To assist in this endeavor, each FIS report provides 1-percent-annual-chance floodplain data, which may include a combination of the following: 10-, 2-, 1-, and 0.2-percent-annual-chance flood elevations; delineations of the 1- and 0.2-percent-annual-chance floodplains; and a 1-percent-annual-chance floodway. This information is presented on the FIRM and in many components of the FIS report, including Flood Profiles, Floodway Data tables, and Summary of Stillwater Elevation tables. Users should reference the data presented in the FIS report as well as additional information that may be available at the local community map repository before making flood elevation and/or floodplain boundary determinations.

4.1. Floodplain Boundaries

To provide a national standard without regional discrimination, the 1-percent-annual-chance flood has been adopted by FEMA as the base flood for floodplain management purposes. The 0.2-percent-annual-chance flood is employed to indicate additional areas of flood risk in the community. For each stream studied by detailed methods, 1- and 0.2-percent-annual chance floodplain boundaries have been delineated using the flood elevations determined at each cross section. Between cross sections, the boundaries were interpolated using LiDAR based 15-foot Digital Elevation Model that supported a contour interval of 2 feet (Reference 26).

The 1- and 0.2-percent-annual-chance floodplain boundaries are shown on the FIRM (Exhibit 2). On this map, the 1-percent-annual-chance floodplain boundary corresponds

to the boundary of the areas of special flood hazards (Zones A and AE), and the 0.2-percent-annual-chance floodplain boundary corresponds to the boundary of areas of moderate flood hazards. In cases where the 1- and 0.2-percent-annual-chance floodplain boundaries are close together, only the 1-percent annual chance floodplain boundary has been shown. Small areas within the floodplain boundaries may lie above the flood elevations but cannot be shown due to limitations of the map scale and/or lack of detailed topographic data.

Please note that Bens Branch and White Oak Creek flood boundaries were not revised in this study because the flood elevations values in the FIS dated September 22, 1999 are inconsistent with topographic data.

For the streams studied by the enhanced approximate methods only the 1-percent-annual-chance floodplain boundary is shown on the FIRM (Exhibit 2). The approximate boundaries elevations were obtained based on discharges from USGS regression equations and the USACE HEC-RAS (Reference 22) hydraulic model.

4.2. Floodways

Encroachment on floodplains, such as structures and fill, reduces flood-carrying capacity, increases flood heights and velocities, and increases flood hazards in areas beyond the encroachment itself. One aspect of floodplain management involves balancing the economic gain from floodplain development against the resulting increase in flood hazard. For purposes of the NFIP, a floodway is used as a tool to assist local communities in this aspect of floodplain management. Under this concept, the area of the 0.1% annual chance floodplain is divided into a floodway and a floodway fringe. The floodway is the channel of a stream, plus any adjacent floodplain areas, that must be kept free of encroachment so that the 0.1-percent-annual-chance flood can be carried without substantial increases in flood heights. Minimum Federal standards limit such increases to 1 foot, provided that hazardous velocities are not produced. The floodways in this study are presented to local agencies as minimum standards that can be adopted directly or that can be used as a basis for additional floodway studies.

The floodways presented in this study were computed for certain stream segments on the basis of equal conveyance reduction from each side of the floodplain. Floodway widths were computed at cross sections. Between cross sections, the flood way boundaries were interpolated. The results of the floodway computations are tabulated for selected cross sections (Table 5, "Floodway Data"). In cases where the floodway and 0.1-annual-chance floodplain boundaries are either close together or co-linear, only the floodway boundary is shown.

The area between the floodway and 0.1-percent-annual-chance floodplain boundaries is termed the floodway fringe. The floodway fringe encompasses the portion of the floodplain that could be completely obstructed without increasing the water-surface elevation of the 0.1-percent-annual-chance flood more than 1 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to floodplain development are shown in Figure 9.

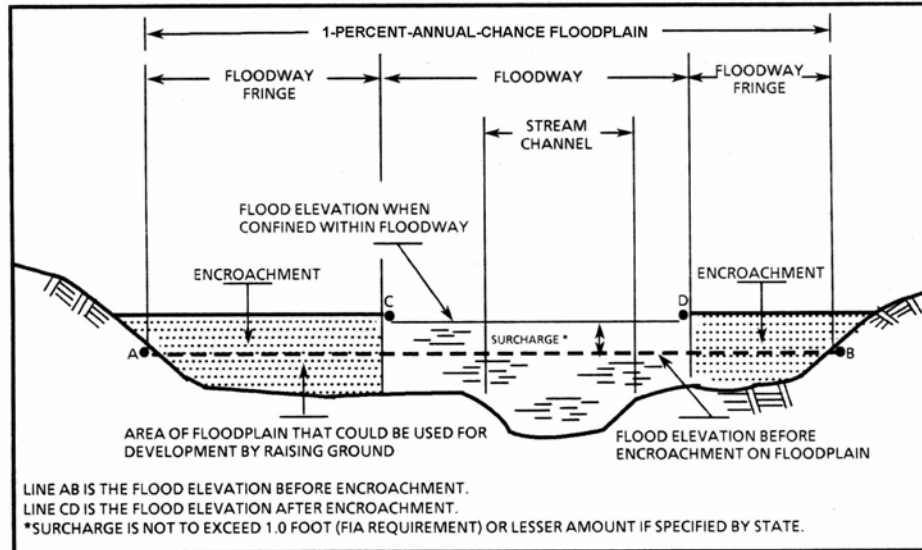


Figure 9 – Floodway Schematic

4.3. Effects of Land Subsidence

BFEs shown on the FIRM and in this report were developed using benchmarks referenced to the NAVD 88. Southern portions of Montgomery County and Incorporated Areas are affected by land subsidence. Land subsidence is the lowering of the ground as a result of water, oil, and gas extraction, as well as other phenomena such as soil compaction, decomposition of organic material, and tectonic movement. Due to the presence of land subsidence, some or all of the benchmarks used to develop the BFEs on the FIRM have subsided. Periodically, the National Geodetic Survey relevels some benchmarks to determine new elevations above the NAVD; however, not all benchmarks are relevelled each time. Releveling in the southern portion of Montgomery County was conducted in 1973, 1979, and 1987. The survey for the original FIS for Montgomery County was conducted in 1978 using many benchmarks that were established prior to 1973 and may or may not have been relevelled in 1973 or later.

The prevalence of land subsidence in the study area complicates the determination of the amount a given property lies above or below the BFE. Complicating factors include determining which benchmark releveling to use to determine a property elevation and possible changes in flood hazards as a result of subsidence. Changes in flood hazards, caused by changed hydrologic and hydraulic conditions, could include increases or decreases in (1) depths of flooding, and (2) the amount of land inundated.

A study of subsidence was undertaken by the local entities primarily responsible for water supply and subsidence and flood control in the Houston metropolitan area - Fort Bend County Drainage District, Harris County Flood Control District (HCFCD), Harris-Galveston Coastal Subsidence District (H-GCSD), and the City of Houston. The study, dated December 1986, is entitled "A Study of the Relationship Between Subsidence and Flooding." The effects of subsidence on flooding are discussed below.

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Alligator Creek								
A	10,260	852	3,306	0.9	147.0	147.0	148.0	1.0
B	13,109	272	1,510	2.2	154.3	154.3	155.3	1.0
C	18,320	516	2,989	1.8	166.2	166.2	166.6	0.4
D	19,820	400	1,586	3.2	167.6	167.6	168.4	0.8
E	20,360	159	971	5.3	169.5	169.5	170.3	0.8
F	22,130	206	1,253	3.7	176.9	176.9	177.2	0.3
G	23,030	480	2,477	1.6	179.8	179.8	180.6	0.8
H	24,010	66	501	7.8	180.0	180.0	180.6	0.6
I	25,900	66	254	6.7	183.5	183.5	183.6	0.1
J	27,410	60	349	3.5	195.1	195.1	196.0	0.9
K	27,900	57	281	4.3	199.1	199.1	200.0	0.9
L	28,670	33	190	6.4	203.4	203.4	203.6	0.2
M	29,410	40	306	3.2	209.6	209.6	210.6	1.0
N	30,260	57	284	3.4	212.3	212.3	213.3	1.0
O	33,430	27	135	4.8	225.9	225.9	226.9	1.0
P	34,000	36	169	3.8	228.5	228.5	229.3	0.8
Q	35,090	28	93	5.7	233.0	233.0	233.5	0.5

¹ Feet above confluence with West Fork of San Jacinto River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

ALLIGATOR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Anthony Branch								
A	2,231	493	1,891	1.2	243.3	243.3	244.3	1.0
B	6,065	279	1,214	2.0	255.7	255.7	256.7	1.0
C	10,156	241	991	1.6	265.2	265.2	266.2	1.0
D ¹	12,381	108	443	3.0	272.9	272.9	273.4	0.5
E	14,498	114	371	3.0	282.4	282.4	283.4	1.0
F ¹	18,279	51	220	2.7	298.5	298.5	299.0	0.5
G ¹	18,379	67	335	1.8	299.9	299.9	300.4	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

ANTHONY BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Arnold Branch								
A	356	94	972	1.88	202.7	202.7	203.7	1.0
B	456	112	987	1.85	202.7	202.7	203.7	1.0
C	2,621	153	704	2.61	206.4	206.4	207.4	1.0
D	2,721	63	528	3.48	206.9	206.9	207.9	1.0
E	4,051	158	701	2.45	209.6	209.6	210.6	1.0
F	4,101	162	738	2.33	209.9	209.9	210.9	1.0
G	5,536	212	523	3.91	213.8	213.8	214.7	0.9
H	7,560	61	316	4.39	218.9	218.9	219.1	0.2
I	7,725	205	426	3.93	220.1	220.1	220.2	0.1
J	10,146	71	516	3.45	227.6	227.6	228.6	1.0
K	12,346	84	421	3.24	234.4	234.4	235.4	1.0
L	12,696	55	226	6.02	238.8	238.8	239.8	1.0
M ¹	14,688	92	408	2.57	241.4	241.4	241.9	0.5
N	14,788	304	1,364	0.77	243.7	243.7	244.7	1.0
O ¹	16,658	87	352	1.95	246.6	246.6	247.1	0.5
P	16,748	62	352	1.95	247.3	247.3	248.3	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

ARNOLD BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Atkins Creek								
A	40,060 ¹	142	992	1.9	203.2	203.2	203.2	0.0
B	44,410 ¹	187	1,598	2.9	204.6	204.6	204.6	0.0
C	49,000 ¹	67	202	6.4	232.3	232.3	233.7	0.4
D	49,110 ¹	152	689	1.5	235.2	235.2	236.2	1.0
E	50,950 ¹	29	126	6.2	244.8	244.8	245.8	1.0
F	52,750 ¹	50	205	3.0	258.4	258.4	259.4	1.0
Atkins Creek North Channel								
A	1,000 ²	139	1,159	2.4	203.2	203.2	203.2	0.0

¹ Feet above mouth

² Feet above confluence with Atkins Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

ATKINS CREEK - ATKINS CREEK NORTH CHANNEL

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Base Creek								
A	1,480	46	139	8.86	162.8	148.8 ³	148.9 ³	0.1
B	2,300	346	4,037	0.29	162.8	150.9 ³	151.0 ³	0.1
C	2,400	471	5,486	0.22	162.8	150.7 ³	150.8 ³	0.1
D	3,795	252	1,595	0.75	162.8	158.7 ³	158.9 ³	0.2
E ¹	6,441	80	348	3.51	172.1	172.1	172.6	0.5
F ¹	6,541	176	856	1.44	174.5	174.5	175.0	0.5
G ¹	6,879	95	211	5.83	196.4	196.4	196.9	0.5
H ¹	11,027	56	225	3.77	201.9	201.9	202.4	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this cross section

² Feet above mouth

³ Elevation computed without consideration of backwater from West Fork San Jacinto River

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BASE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bay Branch								
A	2,892	229	1,511	1.91	277.7	277.7	278.7	1.0
B	2,992	189	1,349	2.14	278.2	278.2	279.2	1.0
C	5,923	210	897	1.93	286.6	286.6	287.6	1.0
D	8,164	214	681	2.34	296.5	296.5	297.5	1.0
E ¹	10,918	66	193	3.31	315.8	315.8	316.3	0.5
F	11,043	203	1,402	0.45	320.1	320.1	321.1	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BAY BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bear Branch								
A	994	593	3,710	0.9	140.5	140.5	141.5	1.0
B	1,044	573	3,730	0.9	140.6	140.6	141.6	1.0
C	1,084	581	4,261	0.8	140.6	140.6	141.6	1.0
D	4,256	560	2,907	1.1	142.6	142.6	143.6	1.0
E	5,284	727	2,718	1.2	143.5	143.5	144.5	1.0
F	5,324	612	2,459	1.3	143.6	143.6	144.6	1.0
G	5,364	439	2,354	1.3	143.6	143.6	144.6	1.0
H	6,784	588	2,817	1.1	145.4	145.4	146.4	1.0
I	8,814	280	1,703	1.8	147.0	147.0	148.0	1.0
J	12,764	590	2,253	1.3	151.1	151.1	152.0	0.9
K	14,464	650	2,776	1.1	153.4	153.4	154.1	0.7
L	15,494	550	2,294	1.3	154.6	154.6	155.3	0.7
M	17,394	420	1,758	1.6	157.6	157.6	158.3	0.7
N ¹	18,714	27	176	7.8	171.5	171.5	171.5	0.0
T	26,928	429	3,087	0.3	172.7	172.7	173.5	0.8
U	29,728	380	1,900	1.2	175.8	175.8	176.8	1.0
V	31,528	292	1,434	1.2	179.0	179.0	180.0	1.0
W	32,845	471	1,620	1.0	181.3	181.3	182.2	0.9
X	34,799	240	1,188	1.4	183.5	183.5	183.6	0.1
Y	36,045	129	732	2.1	186.4	186.4	187.4	1.0
Z	38,842	301	1,282	1.1	191.5	191.5	192.5	1.0

¹ Data not available for cross sections O through S

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BEAR BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ³	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bear Branch (continued)								
AA	39,890	215	879	1.44	192.3	192.3	193.3	1.0
AB	41,222	157	580	2.04	195.7	195.7	196.7	1.0
AC	42,867	234	697	1.39	202.5	202.5	203.5	1.0
AD	42,967	204	836	1.16	204.1	204.1	205.1	1.0
AE (left) ¹	45,553	227	455	0.76	211.2	211.2	212.2	1.0
AE (right) ¹	45,553	109	360	0.92	211.2	211.2	212.2	1.0
AF ²	48,905	85	161	0.59	219.4	219.4	219.9	0.5

¹ Bifurcation of flow, see maps

² The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

³ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BEAR BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ³	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bee Branch								
A	3,686	347	2,655	1.30	129.0	129.0	130.0	1.0
B	7,140	342	2,229	1.30	131.3	131.3	132.3	1.0
C	10,685	165	783	2.70	139.1	139.1	140.1	1.0
D	14,071	247	1,099	1.74	142.3	142.3	143.3	1.0
E ¹	14,171	235	1,420	1.34	143.3	143.3	143.8	0.5
F ²	15,791	279	1,195	1.50	145.3	145.3	146.3	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Cross section not shown on map; lies outside county limits

³ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BEE BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bell Creek								
A	640	257	1,648	0.8	210.4	210.4	211.4	1.0
B	3,449	104	385	2.6	220.9	220.9	221.9	1.0
C	5,657	73	241	3.4	231.7	231.7	232.7	1.0
D ¹	5,707	78	117	7.1	233.2	233.2	233.2	0.0
E	5,757	144	667	1.2	234.0	234.0	235.0	1.0
F ¹	9,595	42	77	2.7	262.5	262.5	262.5	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BELL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bens Branch								
A	25,200	283	1,324	0.9	73.8	73.8	73.9	0.1
B	26,098	161	674	1.3	74.1	74.1	74.6	0.5
C	26,679	331	1,485	1.0	74.3	74.3	75.0	0.7
D	27,735	352	1,291	1.1	75.3	75.3	76.0	0.7
E	30,715	40	303	3.1	78.0	78.0	78.5	0.5
F	32,563	530	2,110	0.4	79.9	79.9	80.8	0.9
G	33,861	140	590	0.3	80.2	80.2	81.1	0.9
H	34,561	120	405	0.5	80.2	80.2	81.1	0.9
I	35,095	85	311	0.7	80.2	80.2	81.1	0.9

¹ Feet above confluence with West Fork of San Jacinto River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BENS BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bens Branch Tributary No. 1								
A	2,653	180	347	2.1	82.4	82.4	82.9	0.5
B	6,292	222	657	0.8	85.3	85.3	86.3	1.0
C	6,392	296	795	0.6	85.3	85.3	86.3	1.0
D	7,402	186	329	1.5	87.0	87.0	87.5	0.5
E	7,733	105	232	2.1	87.7	87.7	88.7	1.0
F	8,597	77	199	2.4	90.5	90.5	91.5	1.0
G	8,697	98	277	1.7	90.8	90.8	91.8	1.0
H	9,145	84	230	2.0	92.6	92.6	93.6	1.0
I	9,235	600	3,503	0.1	96.7	96.7	97.7	1.0
J	9,335	668	2,374	0.2	96.7	96.7	97.7	1.0
K	10,080	244	1,103	0.4	96.7	96.7	97.7	1.0
L	10,180	177	766	0.6	96.7	96.7	97.7	1.0
M	12,754	104	318	1.0	98.2	98.2	99.2	1.0

¹ Feet above confluence with Bens Branch

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BENS BRANCH TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bens Branch Tributary No. 2								
A	1,849	350	1,112	1.0	81.3	81.3	82.3	1.0
B	3,395	200	739	1.5	81.8	81.8	82.7	0.9
C	4,666	170	595	1.8	82.2	82.2	82.9	0.7
D	4,715	150	539	1.9	82.3	82.3	83.0	0.7
E	5,319	200	664	1.5	82.5	82.5	83.3	0.8
F	5,368	250	672	1.5	82.6	82.6	83.4	0.8
G	6,042	250	627	1.5	82.8	82.8	83.7	0.9

¹ Feet above confluence with Bens Branch

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BENS BRANCH TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Bentwood Diversion Channel								
A	4,725	134	975	2.8	73.5	73.5	73.5	0.0
B	9,560	162	1,043	2.4	80.5	80.5	80.5	0.0
C	14,560	146	852	2.4	82.4	82.4	82.4	0.0
D	18,260	134	830	1.6	84.2	84.2	84.2	0.0
E	21,100	55	208	5.2	85.3	85.3	85.3	0.0
F	23,890	55	280	3.8	91.1	91.1	91.1	0.0
G	27,099	312	751	0.6	95.3	95.3	95.8	0.5

¹ Feet above confluence with West Fork of San Jacinto River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BENTWOOD DIVERSION CHANNEL

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Brushy Creek								
A	6,238	827	7,502	1.6	186.8	186.8	187.8	1.0
B	11,613	648	5,121	2.4	191.4	191.4	192.4	1.0
C	16,615	510	5,116	2.4	197.5	197.5	198.5	1.0
D	16,715	401	4,252	2.9	197.8	197.8	198.8	1.0
E	19,419	776	6,896	1.8	200.3	200.3	201.3	1.0
F	25,583	461	5,468	2.4	207.1	207.1	208.1	1.0
G	30,599	515	2,799	1.6	214.9	214.9	215.9	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

BRUSHY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Camp Creek								
A	5,281	334	2,246	1.5	208.5	208.5	209.5	1.0
B	8,317	165	936	3.5	215.7	215.7	216.7	1.0
C	8,417	229	1,680	1.9	218.1	218.1	219.1	1.0
D	12,038	238	1,293	2.4	225.2	225.2	226.2	1.0
E	12,138	174	1,292	2.4	225.7	225.7	226.7	1.0
F	14,043	101	737	4.2	229.4	229.4	229.9	0.5
G	17,033	286	1, 158	2.7	237.2	237.2	238.2	1.0
H ¹	20,661	130	817	3.6	245.5	245.5	246.0	0.5
I	23,561	279	1,022	2.8	253.8	253.8	254.8	1.0
J	23,661	1,064	2,550	1.1	254.1	254.1	255.1	1.0
K	26,097	59	544	5.3	260.7	260.7	261.7	1.0
L	29,141	162	758	3.7	271.1	271.1	272.1	1.0
M ¹	31,674	76	611	4.6	278.0	278.0	278.7	0.7
N	31,774	409	3,073	0.9	281.9	281.9	282.9	1.0
O	35,487	90	516	2.9	290.9	290.9	291.9	1.0
P	37,402	55	314	4.3	297.5	297.5	298.2	0.7
Q	37,502	123	576	2.4	298.3	298.3	299.3	1.0
R	39,276	59	305	3.8	304.7	304.7	305.7	1.0
S	39,376	86	507	2.3	306.0	306.0	307.0	1.0
T ¹	42,535	74	263	2.7	320.5	320.5	321.0	0.5
U	42,760	667	8,920	0.1	336.4	336.4	337.4	1.0
V	44,490	90	420	0.9	337.8	337.8	338.8	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CAMP CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek								
A	11,328	1,529	20,249	3.3	63.9	63.9	64.9	1.0
B	15,590	3,043	26,003	2.5	70.3	70.3	71.3	1.0
C	20,384	1,067	15,597	1.8	71.6	71.6	72.6	1.0
D	24,122	735	10,273	2.7	72.9	72.9	73.9	1.0
E	28,741	764	8,329	3.3	75.3	75.3	76.3	1.0
F	31,266	741	7,999	3.4	76.5	76.5	77.5	1.0
G	31,634	891	8,500	3.2	77.0	77.0	78.0	1.0
H	36,711	821	9,593	2.9	81.4	81.4	82.4	1.0
I	39,458	761	9,265	3.0	83.5	83.5	84.5	1.0
J	39,558	777	9,592	2.9	83.7	83.7	84.7	1.0
K	39,868	781	8,366	3.3	83.9	83.9	84.9	1.0
L	40,489	740	9,339	3.0	84.8	84.8	85.8	1.0
M	40,689	715	8,935	3.1	85.0	85.0	86.0	1.0
N	43,487	686	7,612	3.6	86.7	86.7	87.7	1.0
O	47,826	1,178	11,591	2.4	90.8	90.8	91.8	1.0
P	50,881	827	9,551	2.9	93.3	93.3	94.3	1.0
Q	54,129	454	6,863	4.0	96.2	96.2	97.2	1.0
R ¹	60,254	3,405	21,329	1.3	99.2	99.2	99.7	0.5
S	64,698	1,117	10,277	2.5	103.9	103.9	104.9	1.0
T ¹	64,798	1,218	11,228	2.3	104.4	104.4	104.9	0.5
U ¹	67,013	1,471	11,961	2.1	106.4	106.4	106.9	0.5
V	70,950	1,185	11,108	2.3	113.6	113.6	114.6	1.0
W	71,225	1,220	10,895	2.4	114.0	114.0	115.0	1.0
X	71,325	1,293	11,947	2.2	114.4	114.4	115.4	1.0
Y	75,250	1,009	10,066	2.6	118.6	118.6	119.6	1.0
Z	79,226	1,956	13,876	1.9	122.7	122.7	123.7	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek (continued)								
AA	82,570	1,409	14,285	1.8	125.2	125.2	126.2	1.0
AB	86,643	1,259	13,459	1.9	128.7	128.7	129.7	1.0
AC	89,833	940	10,982	2.4	131.2	131.2	132.2	1.0
AD	95,486	915	10,747	2.4	136.9	136.9	137.9	1.0
AE	99,662	1,703	19,087	1.4	138.9	138.9	139.9	1.0
AF	103,856	1,235	12,456	2.1	143.6	143.6	144.6	1.0
AG	103,956	1,284	13,124	2.0	143.8	143.8	144.8	1.0
AH	110,713	796	10,996	2.4	150.1	150.1	151.1	1.0
AI	116,042	1,416	11,699	2.3	156.7	156.7	157.7	1.0
AJ	120,266	1,603	16,175	1.7	158.8	158.8	159.8	1.0
AK	124,950	2,149	19,245	1.4	161.4	161.4	162.4	1.0
AL	129,282	394	6,328	4.2	165.7	165.7	166.7	1.0
AM	129,382	430	7,224	3.7	166.3	166.3	167.3	1.0
AN	131,885	700	9,865	2.7	168.6	168.6	169.6	1.0
AO	134,938	736	12,217	2.2	170.2	170.2	171.2	1.0
AP ¹	142,109	559	8,547	3.1	174.4	174.4	175.4	1.0
AQ ¹	142,269	420	6,458	4.1	174.7	174.7	175.7	1.0
AR	145,492	734	10,231	2.6	178.0	178.0	179.0	1.0
AS ¹	147,743	858	10,999	2.4	179.8	179.8	180.8	1.0
AT ¹	147,843	925	11,596	2.3	180.4	180.4	181.4	1.0
AU	150,014	1,043	12,246	2.2	182.3	182.3	183.3	1.0
AV	151,629	945	13,387	2.0	183.2	183.2	184.2	1.0
AW	155,111	1,021	12,460	2.0	186.4	186.4	187.4	1.0
AX	155,211	953	12,593	1.9	186.9	186.9	187.9	1.0
AY	159,889	1,603	15,894	1.5	189.8	189.8	190.8	1.0
AZ	164,568	1,264	12,509	1.9	193.5	193.5	194.5	1.0

¹ Cross section not shown on maps; lies outside county limits

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek (cont'd)								
BA	172,442	616	8,328	2.9	203.3	203.3	204.3	1.0
BB	175,017	1,163	16,536	1.5	204.5	204.5	205.5	1.0
BC ¹	178,035	2,051	17,211	1.3	205.9	205.9	206.4	0.5
BD	183,148	919	9,403	2.3	210.6	210.6	211.6	1.0
BE	183,298	707	11,563	1.9	211.1	211.1	212.1	1.0
BF	187,571	842	9,213	2.4	214.6	214.6	215.6	1.0
BG	193,441	1,445	13,707	1.6	218.1	218.1	219.1	1.0
BH	193,541	1,427	15,460	1.4	218.5	218.5	219.5	1.0
BI	195,929	1,004	10,387	2.1	219.0	219.0	220.0	1.0
BJ	196,029	1,018	10,164	2.1	219.5	219.5	220.5	1.0
BK	197,707	1,136	13,348	1.6	220.5	220.5	221.5	1.0
BL	202,116	1,182	11,047	2.0	224.3	224.3	225.3	1.0
BM	204,101	1,343	12,262	1.8	225.1	225.1	226.1	1.0
BN	204,201	1,346	12,617	1.7	225.4	225.4	226.4	1.0
BO	207,913	1,036	10,398	2.1	229.4	229.4	230.4	1.0
BP	210,565	925	7,096	3.0	232.5	232.5	233.5	1.0
BQ	213,945	863	8,380	2.5	236.5	236.5	237.5	1.0
BR	214,120	1,007	10,156	2.1	238.1	238.1	239.1	1.0
BS	217,911	1,248	10,746	1.9	239.2	239.2	240.2	1.0
BT	220,304	691	5,894	3.5	243.0	243.0	244.0	1.0
BU	221,718	1,075	9,223	2.2	243.8	243.8	244.8	1.0
BV	226,694	651	4,104	1.5	247.0	247.0	248.0	1.0
BW	231,987	706	3,879	1.6	252.5	252.5	253.5	1.0
BX	237,202	577	3,173	1.8	258.8	258.8	259.8	1.0
BY	237,302	540	3,126	1.8	259.2	259.2	260.2	1.0
BZ	243,547	537 ³	2,919	1.6	267.9	267.9	268.9	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

³ Floodway width extends beyond county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek No. 2								
A	3,255	1,180	16,163	1.1	208.2	208.2	209.2	1.0
B	3,355	1,444	18,261	1.0	208.9	208.9	209.9	1.0
C	6,982	689	6,310	2.9	210.1	210.1	211.1	1.0
D	7,182	895	9,796	1.8	212.2	212.2	213.2	1.0
E	11,374	674	8,907	2.0	216.1	216.1	217.1	1.0
F	15,571	671	7,135	2.5	218.9	218.9	219.9	1.0
G	15,671	681	9,450	1.9	219.5	219.5	220.5	1.0
H	17,584	1,283	14,745	1.2	219.7	219.7	220.7	1.0
I	17,684	1,278	16,032	1.1	219.9	219.9	220.9	1.0
J	21,024	1,799	14,153	1.3	220.5	220.5	221.5	1.0
K	23,505	1344 ²	9,380	1.9	221.3	221.3	222.3	1.0

¹ Feet above mouth

² Floodway extends beyond county limits.

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek North								
A	31,290	774	3,799	2.6	205.6	205.6	206.6	1.0
B	33,743	620	3,517	2.7	207.6	207.6	208.6	1.0
C	38,400	1,282	7,404	1.3	212.8	212.8	213.8	1.0
D	42,200	292	2,553	3.7	220.2	220.2	221.2	1.0
E	45,301	1,051	7,703	1.2	222.4	222.4	223.4	1.0
F	49,563	1,155	6,604	1.3	226.7	226.7	227.7	1.0
G	53,217	1,269	5,746	1.5	231.4	231.4	232.4	1.0
H	53,392	1,713	14,263	0.6	235.5	235.5	236.5	1.0
I	55,795	1,199	7,320	1.2	237.4	237.4	238.4	1.0
J	56,987	768	4,903	1.7	238.6	238.6	239.6	1.0
K	60,733	641	4,234	1.8	243.9	243.9	244.9	1.0
L	64,765	1,122	6,504	1.2	247.5	247.5	248.5	1.0
M	68,570	304	1,990	3.7	252.2	252.2	253.2	1.0
N	73,529	274	1,972	3.7	259.2	259.2	260.2	1.0
O	76,210	549	2,957	2.4	262.3	262.3	263.3	1.0
P	77,092	890	3,880	1.7	263.2	263.2	264.2	1.0
Q	81,416	626	3,770	1.7	269.7	269.7	270.7	1.0
R	83,739	438	2,050	2.1	273.4	273.4	274.4	1.0
S	83,864	392	3,095	1.4	276.5	276.5	277.5	1.0
T	86,461	471	2,223	1.9	279.5	279.5	280.5	1.0
U	89,556	272	1,316	3.1	285.8	285.8	286.8	1.0
V	92,231	249	1,235	2.9	293.2	293.2	294.2	1.0
W	92,631	134	765	4.6	294.4	294.4	295.4	1.0
X	96,042	150	767	3.3	305.1	305.1	306.1	1.0
Y	99,872	207	977	2.0	316.6	316.6	317.6	1.0
Z	102,512	83	513	2.6	326.5	326.5	327.5	1.0
AA	106,576	131	452	1.6	341.9	341.9	342.9	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK NORTH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek North Tributary No. 1								
A	1,357	125	599	2.0	244.0	244.0	245.0	1.0
B	3,360	236	687	1.5	255.5	255.5	256.5	1.0
Caney Creek North Tributary No. 2								
A	3,596	198	837	1.5	272.4	272.4	273.4	1.0
B	4,836	231	840	1.5	278.2	278.2	279.2	1.0
C	7,258	138	530	2.3	287.3	287.3	288.3	1.0
D	7,358	152	653	1.9	287.7	287.7	288.7	1.0
E	9,047	117	356	2.9	297.0	297.0	298.0	1.0
F	9,172	250	1,114	0.9	300.3	300.3	301.3	1.0
G	11,127	37	200	4.0	308.8	308.8	309.8	1.0
H	11,227	116	547	1.5	310.2	310.2	311.2	1.0
Caney Creek North Tributary No. 3								
A	1,814	103	370	2.9	269.4	269.4	270.4	1.0
B ¹	5,265	67	218	3.4	284.5	284.5	284.5	0.0
C ¹	8,356	59	149	3.8	303.6	303.6	303.6	0.0
D ¹	11,580	55	33	2.5	328.9	328.9	328.9	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK NORTH TRIBUTARY NOS. 1, 2, & 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek Trib No. 1								
A	4,005	143	1,474	1.4	75.9	75.9	76.9	1.0
B	6,239	130	822	2.5	81.4	81.4	82.4	1.0
C ¹	7,814	111	569	2.7	86.0	86.0	86.5	0.5
D	7,914	121	775	2.0	86.5	86.5	87.5	1.0
E ¹	9,187	89	621	2.4	88.0	88.0	88.5	0.5
F ¹	10,826	195	743	2.0	90.6	90.6	91.1	0.5
G	10,926	331	1,382	1.1	91.2	91.2	92.2	1.0
H	13,430	369	1, 169	1.3	93.7	93.7	94.7	1.0
I	13,530	557	2,778	0.5	95.3	95.3	96.3	1.0
J	13,630	693	3,598	0.4	95.5	95.5	96.5	1.0
K	14,747	239	916	0.5	95.6	95.6	96.6	1.0
Caney Creek Tributary No. 2								
A ¹	3,977	110	605	1.9	212.7	212.7	213.4	0.7
B	4,077	149	897	1.3	213.6	213.6	214.6	1.0
C ¹	6,454	52	636	1.8	226.2	226.2	226.9	0.7
D ¹	6,554	90	788	1.5	226.4	226.4	226.9	0.5
E	9,271	53	358	3.3	237.0	237.0	238.0	1.0
F	9,371	49	300	3.9	237.6	237.6	238.6	1.0
G ¹	12,077	39	194	5.2	252.1	252.1	252.6	0.5
H ¹	17,027	100	228	2.2	278.5	278.5	279.0	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK TRIBUTARY NOS. 1, 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ³	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Caney Creek Tributary No. 3								
A	3,432	295	1,417	1.4	248.8	248.8	249.8	1.0
B ¹	6,253	55	424	4.7	257.4	257.4	257.9	0.5
C	6,353	196	1,220	1.6	262.1	262.1	263.1	1.0
D	8,699	125	565	3.4	270.2	270.2	271.2	1.0
E	11,451	127	553	3.1	281.1	281.1	282.1	1.0
F ^{1,2}	15,214	69	339	3.8	297.1	297.1	297.6	0.5

¹ The 1-percent-annual-chance storm discharge is contained within top width of the existing channel at this depth

² Cross section not shown on map; lies outside county limits

³ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CANEY CREEK TRIBUTARY NO. 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Carters Slough								
A	3,183	183	1,147	2.0	108.9	106.7 ²	107.1	0.4
B	4,873	66	793	2.9	111.8	111.8	112.1	0.3
C	5,953	705	9,448	0.2	111.9	111.9	112.2	0.3
D	9,028	152	1,500	1.6	120.8	120.8	120.8	0.0
E	11,168	203	1,879	1.3	121.3	121.3	121.3	0.0
F	12,153	167	859	0.9	121.5	121.5	121.6	0.1
G	18,205	146	828	0.8	121.9	121.9	122.0	0.1
H	18,635	142	864	1.1	122.0	122.0	122.1	0.1
I	21,019	534	1,594	0.6	124.3	124.3	124.8	0.5

¹ Feet above mouth

² Elevation computed without consideration of backwater effects from West Fork San Jacintio River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CARTERS SLOUGH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Carwile Creek								
A	3,782	113	712	2.8	262.5	262.5	263.5	1.0
B	7,107	130	445	2.6	275.4	275.4	276.4	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CARWILE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Crystal Creek								
A	7,729	177	2,126	3.3	111.8	111.8	112.8	1.0
B	12,239	151	1,504	4.5	115.9	115.9	116.9	1.0
C ¹	14,761	284	1,834	3.7	119.3	119.3	119.3	0.0
D ¹	14,861	192	1,502	4.5	119.4	119.4	119.9	0.5
E	19,410	157	1,617	4.1	126.8	126.8	127.8	1.0
F	20,216	493	4,189	1.5	127.5	127.5	128.5	1.0
G	20,316	444	4,512	1.4	127.8	127.8	128.8	1.0
H	24,484	448	2,741	2.2	132.3	132.3	133.3	1.0
I	27,198	124	1,311	4.7	136.6	136.6	137.6	1.0
J	30,046	175	1,803	3.4	139.4	139.4	140.4	1.0
K	30,146	266	2,651	2.3	139.7	139.7	140.7	1.0
L	32,989	233	1,994	3.0	143.2	143.2	144.2	1.0
M	33,972	255	2,076	2.4	144.0	144.0	145.0	1.0
N	34,172	284	2,253	2.2	144.3	144.3	145.3	1.0
O	38,232	464	2,424	2.1	149.3	149.3	150.3	1.0
P	38,332	319	2,400	2.1	149.6	149.6	150.6	1.0
Q	43,194	482	2,662	1.9	156.3	156.3	157.3	1.0
R ¹	43,294	477	3,543	1.4	156.6	156.6	157.6	1.0
S	46,881	326	1,956	2.5	161.4	161.4	162.4	1.0
T ¹	51,423	732	2,931	1.7	167.2	167.2	168.2	1.0
U ¹	51,548	361	3,115	1.6	167.5	167.5	168.5	1.0
V	55,624	196	1,582	3.0	173.8	173.8	174.8	1.0
W	58,511	215	2,281	2.1	175.5	175.5	176.5	1.0
X ¹	61,099	174	1,335	3.3	178.7	178.7	179.2	0.5
Y ¹	61,299	201	1,390	3.2	179.1	179.1	179.6	0.5
Z	65,330	321	1,618	2.8	186.5	186.5	187.5	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CRYSTAL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Crystal Creek (continued)								
AA	68,266	146	1,241	3.6	190.8	190.8	191.8	1.0
AB	69,564	201	1,551	2.7	192.7	192.7	193.7	1.0
AC	73,834	346	1,907	2.2	199.2	199.2	200.2	1.0
AD	73,934	186	1,477	2.8	200.0	200.0	201.0	1.0
AE	76,524	711	2,605	1.6	203.5	203.5	204.5	1.0
AF	78,935	187	1,402	3.0	207.0	207.0	208.0	1.0
AG	79,035	161	1,321	3.1	207.6	207.6	208.6	1.0
AH	80,497	422	2,923	1.4	208.8	208.8	209.8	1.0
AI	80,597	440	2,844	1.5	208.8	208.8	209.8	1.0
AJ	83,184	198	1,213	3.2	214.3	214.3	215.3	1.0
AK	88,682	171	1,148	3.2	223.1	223.1	224.1	1.0
AL	88,782	330	2,973	1.3	225.0	225.0	226.0	1.0
AM	95,980	223	1,504	2.2	236.8	236.8	237.8	1.0
AN	102,152	137	948	2.9	248.8	248.8	249.8	1.0
AO	105,904	152	928	1.8	255.2	255.2	256.2	1.0
AP	109,204	142	725	2.2	265.5	265.5	266.5	1.0
AQ	115,031	102	535	2.7	285.6	285.6	286.6	1.0
AR	116,430	216	1,115	1.1	291.4	291.4	292.4	1.0
AS	117,143	219	1,000	1.2	294.6	294.6	295.6	1.0
AT	120,351	27	183	4.6	309.1	309.1	310.1	1.0
AU ¹	123,013	41	190	3.6	320.9	320.9	321.4	0.5
AV ¹	126,782	46	143	3.2	344.7	344.7	345.2	0.5
AW ¹	126,882	84	264	1.7	345.9	345.9	346.4	0.5
AX ¹	128,122	52	97	2.5	356.2	356.2	356.7	0.5
AY ¹	128,242	29	119	2.0	358.3	358.3	358.8	0.5
AZ ¹	128,564	23	47	3.7	360.8	360.8	361.3	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CRYSTAL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Crystal Creek Tributary No. 1								
A ¹	2,091	77	620	2.7	128.5	128.5	129.0	0.5
B ¹	4,910	48	368	4.3	135.0	135.0	135.5	0.5
C ¹	6,895	60	417	3.7	139.0	139.0	139.5	0.5
D ¹	9,859	73	430	3.6	145.4	145.4	145.9	0.5
E ¹	9,959	60	397	3.9	145.9	145.9	146.4	0.5
F ¹	12,573	116	439	3.5	150.8	150.8	150.8	0.0
G ¹	14,767	65	326	3.9	156.4	156.4	156.9	0.5
H	14,867	192	1,359	0.9	159.4	159.4	160.4	1.0
I	17,223	30	248	4.4	165.1	165.1	166.1	1.0
J	19,836	95	332	2.6	172.0	172.0	173.0	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CRYSTAL CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Crystal Creek Tributary No. 2								
A	740	87	260	1.8	165.5	165.5	166.5	1.0
B ¹	815	50	64	7.2	172.6	172.6	172.6	0.0
C	2,649	174	442	1.0	175.7	175.7	176.7	1.0
D	2,749	142	218	1.9	175.8	175.8	176.8	1.0
E ¹	3,782	192	376	1.1	176.7	176.7	177.2	0.5
F	3,882	56	241	1.7	179.0	179.0	180.0	1.0
G ¹	4,230	60	135	2.9	180.7	180.7	181.2	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CRYSTAL CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Crystal Creek Tributary No. 3								
A ¹	2,341	70	282	3.5	181.0	181.0	181.0	0.0
B ¹	2,491	69	231	4.3	181.4	181.4	181.4	0.0
C ¹	3,543	70	263	3.9	184.5	184.5	185.0	0.5
D	3,643	107	419	2.4	185.5	185.5	186.5	1.0
E	4,703	89	387	2.9	188.0	188.0	189.0	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CRYSTAL CREEK TRIBUTARY NO. 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Crystal Creek Tributary No. 4								
A	1,318	135	996	0.9	191.6	191.6	192.6	1.0
B	3,284	31	200	4.5	197.9	197.9	198.9	1.0
C ¹	3,725	63	183	2.7	200.2	200.2	200.7	0.5
D ¹	5,747	50	161	3.0	208.8	208.8	209.3	0.5
E ¹	5,847	71	323	1.5	210.2	210.2	210.7	0.5
F ¹	6,371	197	155	3.0	212.2	212.2	212.2	0.0
G ¹	6,471	137	486	1.0	215.8	215.8	216.3	0.5
H ¹	7,609	97	152	3.0	221.6	221.6	221.6	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		CRYSTAL CREEK TRIBUTARY NO. 4

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Crystal Creek Tributary No. 5								
A ¹	388	30	153	3.0	199.6	199.6	200.1	0.5
B ¹	1,182	68	152	2.9	203.5	203.5	204.0	0.5
C	1,282	64	265	1.7	206.0	206.0	207.0	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

CRYSTAL CREEK TRIBUTARY NO. 5

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Church House Gully								
A ¹	4,404	56	133	2.2	72.7	72.7	72.7	0.0
B ¹	6,074	59	99	2.5	79.3	79.3	79.3	0.0
C ¹	7,879	37	77	1.6	88.1	88.1	88.6	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		CHURCH HOUSE GULLY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Chambers Creek								
A	2,593	162	505	3.1	218.8	218.8	219.8	1.0
B ¹	5,481	83	405	2.7	234.7	234.7	235.2	0.5
C ¹	8,757	42	51	5.6	261.6	261.6	261.6	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		CHAMBERS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Decker Branch								
A	4,089	196	2,543	1.1	156.6	156.6	157.6	1.0
B	6,026	213	2,330	1.1	156.6	156.6	157.6	1.0
C	7,022	82	1,058	2.4	157.5	157.5	158.5	1.0
D	7,172	685	7,842	0.3	157.9	157.9	158.9	1.0
E	10,513	217	1,914	1.3	159.4	159.4	160.4	1.0
F	10,613	89	829	3.1	159.5	159.5	160.5	1.0
G	12,974	140	1,123	2.3	163.2	163.2	164.2	1.0
H	15,568	277	1,719	1.5	165.5	165.5	166.5	1.0
I	16,549	310	1,858	1.4	166.6	166.6	167.6	1.0
J	16,649	349	1,736	1.5	166.7	166.7	167.7	1.0
K	18,152	132	768	3.2	168.4	168.4	169.4	1.0
L	18,232	119	681	3.7	168.6	168.6	169.6	1.0
M	20,966	91	688	3.4	172.2	172.2	173.2	1.0
N	21,066	337	1,239	1.9	174.4	174.4	175.4	1.0
O	23,407	188	813	2.8	178.7	178.7	179.7	1.0
P	26,607	73	428	2.4	185.9	185.9	186.9	1.0
Q	28,429	82	462	2.3	190.6	190.6	191.6	1.0
R	28,529	100	641	1.6	191.4	191.4	192.4	1.0
S	29,457	92	605	1.7	192.8	192.8	193.8	1.0
T	29,557	141	719	1.5	193.2	193.2	194.2	1.0
U	30,556	141	585	1.8	195.3	195.3	196.3	1.0
V	30,656	132	592	1.8	195.6	195.6	196.6	1.0
W	32,087	179	526	1.8	199.0	199.0	200.0	1.0
X	32,187	156	691	1.3	200.4	200.4	201.4	1.0
Y	35,551	57	251	3.0	208.5	208.5	209.5	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

DECKER BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Decker Branch Tributary No. 1								
A	1,589	71	422	2.2	186.3	186.3	187.3	1.0
B	4,776	55	270	2.5	194.1	194.1	195.1	1.0
C	4,876	52	296	2.3	195.4	195.4	196.4	1.0
D ¹	5,766	54	245	2.1	196.9	196.9	197.1	0.2
E	5,866	69	433	1.2	200.2	200.2	201.2	1.0
F	9,261	20	82	4.4	214.4	214.4	215.4	1.0
G	10,897	30	113	2.6	220.4	220.4	221.4	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

DECKER BRANCH TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Deer Lake Branch								
A	709	80	483	3.7	201.4	201.4	202.4	1.0
B	2,221	124	864	1.9	212.8	212.8	213.8	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

DEER LAKE BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Dry Creek								
A	6,126	1,880	6,434	1.0	97.3	97.3	98.3	1.0
B	6,226	1,813	4,724	1.4	98.3	98.3	99.3	1.0
C	9,639	291	2,639	2.5	103.1	103.1	104.1	1.0
D	15,445	502	3,647	1.7	109.7	109.7	110.7	1.0
E	20,525	721	4,704	1.3	114.3	114.3	115.3	1.0
F	22,515	1,296	7,763	0.8	115.4	115.4	116.4	1.0
G	22,765	1,470	9,990	0.6	117.9	117.9	118.9	1.0
H	26,493	1,014	5,168	1.1	120.9	120.9	121.9	1.0
I	30,823	768	4,459	1.3	125.5	125.5	126.5	1.0
J	34,061	428	2,995	1.9	130.2	130.2	131.2	1.0
K	34,364	806	5,208	1.1	130.7	130.7	131.7	1.0
L	36,935	475	3,336	1.7	133.3	133.3	134.3	1.0
M	40,733	535	3,724	1.5	137.4	137.4	138.4	1.0
N	43,783	608	3,255	1.1	140.7	140.7	141.7	1.0
O	48,214	845	3,640	1.0	145.2	145.2	146.2	1.0
P	51,372	725	2,342	0.9	148.9	148.9	149.9	1.0
Q	51,665	174	814	2.5	150.5	150.5	151.5	1.0
R	51,815	268	1,345	1.5	151.4	151.4	152.4	1.0
S	52,645	234	1,197	1.7	153.0	153.0	154.0	1.0
T	52,720	275	1,477	1.4	153.2	153.2	154.2	1.0
U	53,327	266	1,269	1.5	154.0	154.0	155.0	1.0
V	53,427	446	1,714	1.1	154.3	154.3	155.3	1.0
W	56,966	381	1,614	0.9	156.8	156.8	157.8	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

DRY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Dry Creek No. 2								
A	10,042	740	6303	0.62	141.4	141.4	142.4	1.0
B	11,585	408	3,676	1.1	142.1	142.1	143.1	1.0
C	11,685	348	3,263	1.2	142.2	142.2	143.2	1.0
D	15,625	534	3,079	1.2	145.7	145.7	146.7	1.0
E	15,727	473	2,921	1.2	145.7	145.7	146.7	1.0
F	19,607	256	1,700	2.1	152.5	152.5	153.5	1.0
G	19,807	423	2,314	1.5	152.8	152.8	153.8	1.0
H	20,141	328	2,245	1.6	153.2	153.2	154.2	1.0
I	20,191	60	534	6.6	153.3	153.3	154.3	1.0
J	20,241	333	2,190	1.6	154.1	154.1	155.1	1.0
K	22,322	308	2,018	1.8	156.5	156.5	157.5	1.0
L	23,863	300	1,811	2.0	159.7	159.7	160.7	1.0
M	24,043	613	2,813	1.3	159.8	159.8	160.8	1.0
N	27,226	552	2,776	1.3	164.4	164.4	165.4	1.0
O	31,685	218	1,669	1.7	170.8	170.8	171.8	1.0
P	36,137	135	666	1.7	178.7	178.7	179.7	1.0
Q	36,943	107	595	1.9	180.5	180.5	181.5	1.0
R	37,023	167	803	1.4	181.0	181.0	182.0	1.0
S	39,343	258	857	1.3	185.7	185.7	186.7	1.0
T	39,443	397	1,839	0.6	187.4	187.4	188.4	1.0
U	40,346	404	1,565	0.7	188.2	188.2	189.2	1.0
V	42,237	248	839	1.3	194.8	194.8	195.8	1.0
W	42,337	237	912	1.2	195.1	195.1	196.1	1.0
X	44,584	228	777	1.3	202.0	202.0	203.0	1.0
Y	47,874	215	808	1.2	210.8	210.8	211.8	1.0
Z	47,974	225	864	1.1	211.1	211.1	212.1	1.0
AA	49,711	175	549	1.7	214.9	214.9	215.9	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

DRY CREEK NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Dry Creek No. 2 Tributary No. 1								
A	4,340	312	1,230	1.0	178.1	178.1	179.1	1.0
B	7,150	465	1,526	0.7	185.7	185.7	186.7	1.0
C	7,338	2,106	17,313	0.1	195.3	195.3	195.3	0.0
D	11,375	300	915	0.8	195.3	195.3	195.3	0.0
E	14,863	297	193	1.2	205.5	205.5	206.5	1.0
F	14,913	81	137	1.7	206.2	206.2	207.2	1.0
G ¹	15,308	33	39	3.6	207.6	207.6	208.2	0.6
H	15,913	225	52	2.7	211.3	211.3	211.3	0.0
I	17,113	15	31	1.2	220.3	220.3	221.3	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

DRY CREEK NO. 2 TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Duck Creek								
A	2,386	392	3,760	0.9	151.4	151.4	152.4	1.0
B	7,382	216	1,550	2.1	158.9	158.9	159.9	1.0
C	7,487	193	1,482	2.2	159.2	159.2	160.2	1.0
D	11,579	106	718	4.0	168.1	168.1	169.1	1.0
E	12,129	175	1,157	2.5	170.5	170.5	171.5	1.0
F	17,621	180	719	1.8	179.6	179.6	180.6	1.0
G	22,084	56	304	3.1	192.1	192.1	193.1	1.0

¹ Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		DUCK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
East Fork of San Jacinto River								
A	49,223	1,025 ²	11,023	5.0	69.4	69.4	70.4	1.0
B	49,498	928	14,306	3.9	71.3	71.3	72.3	1.0
C	58,970	2,348	27,605	2.0	78.0	78.0	79.0	1.0
D	63,343	1,516 ²	20,811	2.7	80.5	80.5	81.5	1.0
E	67,829	1,717 ²	23,123	2.4	85.0	85.0	86.0	1.0
F	73,355	2,975 ²	29,949	1.9	89.1	89.1	90.1	1.0
G	78,105	1,877 ³	24,234	2.3	93.3	93.3	94.3	1.0

¹ Feet above mouth

² Floodway width extends beyond county limits

³ Floodway lies outside county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

EAST FORK OF SAN JACINTO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Egypt Creek								
A	2,926	72	619	1.4	155.3	155.3	156.3	1.0
B	6,535	31	184	4.7	177.0	177.0	178.0	1.0
C	6,635	56	376	2.3	178.8	178.8	179.8	1.0
D ¹	7,917	77	230	2.9	186.7	186.7	187.2	0.5
E ¹	11,934	45	135	2.5	218.8	218.8	219.3	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

EGYPT CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Fish Creek								
A	5,874	128	1,138	2.2	150.0	150.0	151.0	1.0
B	7,236	173	1,361	1.8	151.7	151.7	152.7	1.0
C	8,870	481	1,883	1.3	155.4	155.4	156.4	1.0
D	10,744	117	791	3.1	160.3	160.3	161.3	1.0
E	12,788	260	1,372	1.8	164.6	164.6	165.6	1.0
F	17,740	137	958	2.5	174.5	174.5	175.5	1.0
G	20,900	72	475	4.6	185.8	185.8	186.8	1.0
H ¹	23,186	71	464	4.5	192.7	192.7	193.2	0.5
I	26,066	163	646	2.7	204.8	204.8	205.8	1.0
J	28,575	86	395	3.4	213.2	213.2	214.2	1.0
K	30,532	52	319	3.9	220.5	220.5	221.5	1.0
L	33,225	45	200	4.4	228.2	228.2	229.2	1.0
M	33,375	197	684	1.3	230.3	230.3	231.3	1.0
N	33,515	135	640	1.4	230.7	230.7	231.7	1.0
O ¹	36,591	160	1,019	0.8	239.7	239.7	239.9	0.2
P	37,073	68	363	2.3	241.0	241.0	242.0	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

FISH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Gleneagles Diversion Ditch								
A ¹	1,350	172	535	1.6	115.9	115.9	115.9	0.0
B	1,450	60	454	1.8	115.9	115.9	116.3	0.4
C ¹	3,924	86	354	2.4	117.0	117.0	117.3	0.3
D ¹	8,340	63	289	2.4	120.5	120.5	120.5	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		GLENEAGLES DIVERSION DITCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Goodson Branch								
A	1,398	89	580	2.4	183.0	183.0	184.0	1.0
B	2,449	61	262	1.9	184.9	184.9	185.9	1.0
C	4,566	115	930	0.4	195.3	195.3	196.3	1.0
D	5,752	26	165	2.3	198.6	198.6	199.6	1.0
E ¹	6,807	35	231	1.6	203.7	203.7	203.9	0.2
F ¹	9,437	24	84	2.7	217.1	217.1	217.3	0.2

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		GOODSON BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Grand Lake Creek								
A	16,140	116	504	1.9	144.1	144.1	145.1	1.0
B ¹	17,929	53	281	3.1	150.9	150.9	151.4	0.5
C ¹	18,029	54	308	2.9	151.6	151.6	152.1	0.5
D ¹	18,706	61	326	2.6	152.7	152.7	153.2	0.5
E ¹	19,563	61	359	1.7	153.2	153.2	153.7	0.5
F ¹	19,663	63	246	2.5	157.5	157.5	158.0	0.5
G	20,124	57	133	4.1	157.7	157.7	157.7	0.0
H	20,434	36	185	2.9	161.5	161.5	162.0	0.5
I	21,034	29	159	3.2	162.4	162.4	163.4	1.0
J	21,401	41	328	1.3	164.5	164.5	165.4	0.9
K	22,682	438	3,426	0.1	171.5	171.5	171.6	0.1
L	22,968	30	129	2.9	173.2	173.2	173.6	0.4
M	23,219	10	61	5.6	174.5	174.5	175.5	1.0
N	23,474	19	65	5.0	176.1	176.1	176.1	0.0
O	23,684	64	293	1.1	177.2	177.2	178.2	1.0
P	24,065	24	97	3.0	178.2	178.2	178.7	0.5
Q	24,145	23	94	3.1	179.5	179.5	180.0	0.5
R	24,855	21	69	3.2	184.5	184.5	185.0	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

GRAND LAKE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Green Branch								
A	3,335	199	652	1.2	234.9	234.9	235.9	1.0
B	4,487	83	316	2.3	243.8	243.8	244.8	1.0
C	4,617	159	1,073	0.7	248.3	248.3	249.3	1.0
D ¹	6,920	48	240	1.9	257.9	257.9	258.4	0.5
E ¹	9,786	34	87	2.0	275.9	275.9	275.9	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

GREEN BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Gully Branch								
A	1,051	872	10,595	0.6	104.7	104.7	105.7	1.0
B	1,151	865	9,535	0.6	104.8	104.8	105.8	1.0
C	3,974	739	5,578	1.0	105.6	105.6	106.6	1.0
D	4,074	877	5,848	1.0	105.8	105.8	106.8	1.0
E	5,588	426	3,150	1.8	107.0	107.0	108.0	1.0
F	7,287	399	3,015	1.9	108.4	108.4	109.4	1.0
G	7,387	309	2,299	2.5	108.5	108.5	109.5	1.0
H	8,059	390	2,671	2.1	109.8	109.8	110.8	1.0
I	8,119	481	3,576	1.6	110.3	110.3	111.3	1.0
J	11,429	460	3,143	1.8	113.8	113.8	114.8	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

GULLY BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Gum Branch								
A	1,945	356	1,509	2.2	202.9	202.9	203.9	1.0
B	2,045	299	1,174	2.9	203.9	203.9	204.9	1.0
C	6,108	403	2,047	1.8	216.4	216.4	217.4	1.0
D ¹	9,633	384	2,098	1.8	226.9	226.9	227.9	1.0

¹ Cross section not shown on map; lies outside county limits

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		GUM BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Hightower Branch								
A	3,047	339	2,641	1.0	120.7	120.7	121.7	1.0
B	5,912	126	823	2.4	125.2	125.2	126.2	1.0
C	6,462	533	3,477	0.6	127.4	127.4	128.4	1.0
D ¹	10,151	60	227	2.4	135.8	135.8	136.3	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

HIGHTOWER BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Hosstetter Creek								
A	15,573	217	1,342	3.7	207.7	207.7	208.7	1.0
B	15,723	298	1,952	2.5	208.4	208.4	209.4	1.0
C	19,476	236	1,240	4.0	215.6	215.6	216.6	1.0
D	21,923	543	2,628	1.9	223.6	223.6	224.6	1.0
E	25,850	365	2,246	2.0	234.1	234.1	235.1	1.0
F	29,972	364	2,010	2.0	241.9	241.9	242.9	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

HOSSTETTER CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Jayhawker Creek								
A	3,878	682	7,862	1.22	126.3	126.3	127.3	1.0
B	7,516	898	7,120	0.8	127.3	127.3	128.3	1.0
C	10,413	544	3,540	1.4	129.9	129.9	130.9	1.0
D	13,675	205	1,461	3.2	134.4	134.4	135.4	1.0
E	13,875	286	2,336	2.0	135.1	135.1	136.1	1.0
F	15,803	528	3,016	1.5	137.5	137.5	138.5	1.0
G	15,978	511	3,541	1.3	138.2	138.2	139.2	1.0
H	18,904	276	1,950	2.3	141.1	141.1	142.1	1.0
I ¹	24,382	451	2,463	1.70	149.2	149.2	150.2	1.0

¹ Cross section not shown on map; lies outside county limits

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

JAYHAWKER CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Kelly Branch								
A	3,129	158	814	1.9	228.8	228.8	229.8	1.0
B	6,243	136	555	2.8	239.4	239.4	240.4	1.0
C	9,174	134	470	2.8	250.0	250.0	251.0	1.0
D	9,309	241	784	1.7	251.1	251.1	252.1	1.0
E ¹	13,192	67	217	4.0	265.2	265.2	265.2	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

KELLY BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Kidhaw Branch								
A	4,164	266	978	2.9	267.3	267.3	268.3	1.0
B	8,150	177	648	3.1	280.1	280.1	281.1	1.0
C	10,968	287	638	2.8	291.7	291.7	292.7	1.0
D ¹	13,700	46	192	5.9	308.2	308.2	308.9	0.7
E	13,825	209	1,283	0.9	312.8	312.8	313.8	1.0
F	16,450	79	238	1.9	326.4	326.4	327.4	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

KIDHAW BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek								
A	10,170	2,617	25,052	2.0	135.0	134.7	135.4	0.4
B	16,927	2,344	24,975	2.0	138.2	138.2	139.0	0.8
C	19,052	2,016	21,078	2.4	140.2	140.2	140.8	0.6
D	24,630	1,859	25,632	1.9	143.5	143.5	144.1	0.6
E	32,317	3,777	47,161	1.0	146.6	146.6	147.2	0.6
F	38,874	2,679	32,050	1.5	148.4	148.4	149.2	0.8
G	45,635	2,965	29,344	1.4	150.0	150.0	150.8	0.8
H	45,688	2,501	27,721	1.5	150.0	150.0	150.9	0.9
I	48,350	2,308	27,673	1.5	151.0	151.0	151.8	0.8
J	55,478	3,407	37,654	1.1	154.5	154.5	155.5	1.0
K	60,807	4,812	39,110	1.0	155.8	155.8	156.8	1.0
L	67,689	4,660	36,091	1.1	157.8	157.8	158.8	1.0
M	76,198	4,380	26,308	1.5	159.7	159.7	160.7	0.9
N	76,252	4,383	26,898	1.4	159.8	159.8	160.7	0.9
O	83,198	4,000	23,237	1.6	163.0	163.0	163.8	0.9
P	89,235	3,660	27,827	1.3	165.9	165.9	166.8	0.9
Q	92,593	4,021	29,479	1.3	167.6	167.6	168.6	1.0
R	99,662	3,882	20,133	1.8	170.5	170.5	171.4	0.9
S	106,304	2,543	18,783	1.9	176.4	176.4	177.2	0.8
T	110,382	2,657	23,985	1.5	178.9	178.9	179.9	0.9
U	117,468	2,144	16,933	2.0	180.9	180.9	181.7	0.8
V	122,406	1,742	15,775	2.2	184.1	183.9	184.7	0.6
W	122,701	1,958	14,666	2.3	184.4	184.1	184.9	0.5
X	128,768	2,106	16,661	2.1	186.3	186.3	187.1	0.8
Y	134,352	2,082	15,985	2.1	188.6	188.6	189.5	0.9
Z	138,917	3,226	21,507	1.6	190.1	190.1	191.0	0.9

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek (cont'd)								
AA	144,726	3,281	17,557	1.9	192.1	192.1	193.0	0.9
AB	148,081	2,504	16,748	2.0	194.7	194.7	195.7	1.0
AC	141,075	2,165	16,093	2.1	197.1	197.1	198.1	1.0
AD	143,255	660	8,619	3.9	197.8	197.8	198.8	1.0
AE	148,731	931	13,277	2.5	204.9	204.9	205.9	1.0
AF	152,483	1,433	16,509	2.0	206.2	206.2	207.2	1.0
AG	155,448	2,683	26,871	1.2	206.6	206.6	207.6	1.0
AH	157,667	2,673	26,111	1.3	206.9	206.9	207.9	1.0
AI	163,939	1,960	22,222	1.3	208.6	208.6	209.6	1.0
AJ	167,576	2,025	18,862	1.6	210.0	210.0	211.0	1.0
AK	170,904	908	11,353	2.6	211.5	211.5	212.5	1.0
AL	171,004	976	12,904	2.3	212.0	212.0	213.0	1.0
AM	171,508	1,349	15,370	1.9	212.3	212.3	213.3	1.0
AN	172,108	2,010	25,831	1.1	213.2	213.2	214.2	1.0
AO	173,043	1,517	20,567	1.4	213.4	213.4	214.4	1.0
AP	173,243	1,431	19,178	1.5	213.7	213.7	214.7	1.0
AQ	177,095	2,376	29,782	1.0	213.9	213.9	214.9	1.0
AR	181,954	2,296	22,849	1.3	214.7	214.7	215.7	1.0
AS	185,935	2,579	21,920	1.2	215.6	215.6	216.6	1.0
AT	189,540	1,593	13,224	2.0	218.3	218.3	219.3	1.0
AU	194,272	2,171	16,061	1.7	221.6	221.6	222.6	1.0
AV	198,130	1,311	13,301	2.0	223.8	223.8	224.8	1.0
AW	204,699	2,040	17,603	1.5	226.2	226.2	227.2	1.0
AX	209,041	2,901	22,895	1.2	227.6	227.6	228.6	1.0
AY	211,749	2,359	14,774	1.8	229.1	229.1	230.1	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek (cont'd)								
AZ	211,849	2,392	16,901	1.6	229.4	229.4	230.4	1.0
BA	216,274	2,605	20,186	1.3	233.8	233.8	234.8	1.0
BB	219,443	2,969	22,871	1.2	236.2	236.2	237.2	1.0
BC	222,582	1,821	14,832	1.8	239.6	239.6	240.6	1.0
BD	226,064	2,896	20,077	1.4	243.3	243.3	244.3	1.0
BE	229,947	2,084	16,345	1.7	244.6	244.6	245.6	1.0
BF	234,027	2,919	19,820	1.4	248.3	248.3	249.3	1.0
BG	237,785	2,390	13,742	1.9	250.9	250.9	251.9	1.0
BH	242,490	1,610	8,422	2.1	253.2	253.2	254.2	1.0
BI	246,523	1,919	8,935	2.0	256.8	256.8	257.8	1.0
BJ	252,038	2054 ²	10,392	2.0	261.8	261.8	262.8	1.0

¹ Feet above mouth

² Floodway width extends beyond county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek Tributary No. 1								
A	4,446	240	1,258	0.8	152.2	152.2	153.2	1.0
B	4,546	289	1,286	0.8	152.3	152.3	153.3	1.0
C	7,546	109	389	1.5	162.8	162.8	163.8	1.0
D	7,646	327	664	0.9	163.4	163.4	164.4	1.0
E	9,433	41	188	2.4	173.0	173.0	174.0	1.0
F	9,534	47	189	2.4	173.4	173.4	174.4	1.0
G ¹	11,471	43	146	1.7	184.9	184.9	185.1	0.2

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channed at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek Tributary No. 2								
A	2,799	391	1,515	0.7	153.0	153.0	154.0	1.0
B	2,899	316	1,506	0.7	154.7	154.7	155.7	1.0
C	4,840	58	246	4.2	161.6	161.6	161.8	0.2
D	7,722	51	256	4.1	173.6	173.6	174.1	0.5
E	10,007	64	272	2.9	182.1	182.1	183.1	1.0
F	13,137	47	224	3.1	193.2	193.2	194.2	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek Tributary No.3								
A	7,620	183	1,178	2.0	189.0	189.0	190.0	1.0
B	10,907	139	742	3.3	201.0	201.0	202.0	1.0
C	14,827	99	589	3.7	213.4	213.4	214.4	1.0
D	14,927	76	546	4.0	214.0	214.0	215.0	1.0
E ¹	17,858	80	476	4.3	223.9	223.9	224.1	0.2
F	22,098	45	305	5.3	249.1	249.1	250.1	1.0
G	24,522	68	447	1.6	263.9	263.9	264.9	1.0
H	27,443	87	250	2.3	279.3	279.3	280.3	1.0
I ¹	29,586	95	208	1.8	294.3	294.3	294.5	0.2

¹ The 1-percent-annual-chance storm discharge is contained within the top of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek Tributary No.4								
A	3,137	343	1,974	1.3	201.1	201.1	202.1	1.0
B	3,237	238	1,397	1.8	201.3	201.3	202.3	1.0
C	5,027	66	472	5.4	205.0	205.0	206.0	1.0
D	9,770	268	1,196	2.1	222.1	222.1	223.1	1.0
E	14,197	44	277	5.5	237.1	237.1	238.1	1.0
F	14,297	163	754	2.0	239.2	239.2	240.2	1.0
G ¹	17,340	42	204	4.4	254.6	254.6	254.8	0.2

¹ The 1-percent-annual-chance storm discharge is contained within the top of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 4

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek Tributary No. 5								
A	3,617	202	853	2.9	210.1	210.1	211.1	1.0
B ¹	7,043	43	327	7.5	221.7	221.7	222.2	0.5
C	10,542	28	257	8.0	234.5	234.5	235.5	1.0
D ¹	12,957	66	240	6.0	245.5	245.5	245.5	0.0
E ¹	15,262	82	265	4.1	253.2	253.2	253.2	0.0
F	15,362	88	1,012	1.1	264.6	264.6	265.6	1.0
G	16,900	20	143	5.3	267.5	267.5	268.5	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 5

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek Tributary No. 6								
A	6,650	290	735	1.2	211.5	211.5	212.5	1.0
B ¹	6,740	64	252	3.4	211.8	211.8	211.8	0.0
C	7,370	279	1,405	0.6	215.4	215.4	216.4	1.0
D ¹	7,470	275	1,680	0.5	216.4	216.4	217.4	1.0
E ¹	9,083	76	241	3.1	223.3	223.3	224.3	1.0
F	9,208	64	297	2.5	225.4	225.4	226.4	1.0
G	9,480	245	1,177	0.6	228.0	228.0	229.0	1.0
H	11,380	28	150	3.4	237.9	237.9	238.9	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 6

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lake Creek Tributary No.7								
A	1,824	679	2,852	0.5	213.8	213.8	214.8	1.0
B ¹	1,974	601	2,639	0.5	215.9	215.9	216.9	1.0
C	3,226	235	615	2.3	218.6	218.6	219.6	1.0
D ¹	3,326	254	1,094	1.3	220.6	220.6	221.6	1.0
E ¹	6,436	41	267	5.0	230.3	230.3	230.5	0.2
F ¹	8,798	37	227	4.4	240.5	240.5	240.7	0.2
G	8,898	83	884	1.1	246.9	246.9	247.9	1.0
H ¹	10,478	27	185	2.9	251.4	251.4	251.9	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 7

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Landrum Creek								
A	3,398	1384	7658	0.8	195.9	195.9	196.9	1
B	5,353	560	2,591	1.9	198.4	198.4	199.4	1.0
C	7,617	341	1,541	3.5	203.6	203.6	204.6	1.0
D	7,717	463	3,313	1.6	207.0	207.0	208.0	1.0
E	10,817	417	2,036	2.1	212.4	212.4	213.4	1.0
F	14,214	419	1,619	2.4	217.0	217.0	218.0	1.0
G	18,370	260	1,155	2.5	228.4	228.4	229.4	1.0
H	20,949	152	723	3.9	234.7	234.7	235.7	1.0
I	23,862	65	486	5.5	244.6	244.6	245.6	1.0
J ¹	26,413	63	186	5.0	256.8	256.8	257.0	0.2

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth.

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LANDRUM CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lawrence Creek								
A	2,910	435	4012	0.77	146	146	147	1
B ¹	4,984	320	1,515	2.0	148.5	148.5	149.0	0.5
C	7,384	271	1,611	1.9	150.8	150.8	151.8	1.0
D	7,484	400	2,053	1.5	152.2	152.2	153.2	1.0
E	8,248	129	997	3.0	153.4	153.4	154.4	1.0
F	8,348	235	1,451	2.0	153.9	153.9	154.9	1.0
G	11,556	167	972	2.8	158.1	158.1	159.1	1.0
H	11,656	192	1,193	2.3	160.1	160.1	161.1	1.0
I	14,977	131	840	2.7	168.3	168.3	169.3	1.0
J	18,692	156	780	2.4	177.7	177.7	178.7	1.0
K	22,382	102	551	3.1	186.3	186.3	187.3	1.0
L ¹	22,482	165	826	2.1	186.6	186.6	187.3	0.7
M	25,546	128	635	2.3	190.8	190.8	191.8	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth.

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LAWRENCE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Lewis Creek								
A	17,856	352	625	1.39	205.1	205.1	206.1	1
B ¹	21,802	120	639	1.2	212.1	212.1	212.6	0.5
C	33,467	165	590	2.3	269.9	269.9	270.9	1.0
D	36,472	72	210	2.8	289.4	289.4	290.4	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth.

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LEWIS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Caney Creek								
A	5,356	1,063	6,162	0.3	118.4	118.4 ³	119.4 ³	1.0
B	5,456	1,048	5,200	0.4	118.4	118.4 ³	119.4 ³	1.0
C ¹	9,409	135	728	2.7	124.7	124.7	125.2	0.5
D	10,209	57	471	4.2	126.0	126.0	127.0	1.0
E	13,270	111	580	3.3	133.6	133.6	134.6	1.0
F	15,978	109	668	2.7	137.9	137.9	138.9	1.0
G	19,076	62	417	4.2	144.6	144.6	145.6	1.0
H	19,895	210	934	1.9	146.4	146.4	147.4	1.0
I	21,078	71	416	4.1	148.9	148.9	149.9	1.0
J	22,835	198	911	1.9	152.4	152.4	153.4	1.0
K	25,833	91	538	3.1	158.8	158.8	159.8	1.0
L	27,123	75	462	3.4	161.4	161.4	162.4	1.0
M	27,223	249	917	1.7	161.5	161.5	162.5	1.0
N ¹	28,255	62	351	4.1	163.6	163.6	164.1	0.5
O	31,105	112	479	2.9	171.0	171.0	172.0	1.0
P	33,014	156	578	2.3	175.5	175.5	176.5	1.0
Q	33,114	189	1,116	0.6	178.5	178.5	179.5	1.0
R	35,535	116	374	1.6	181.4	181.4	182.4	1.0
S	37,472	65	230	2.5	187.8	187.8	188.8	1.0
T	37,822	68	275	2.1	189.3	189.3	190.3	1.0
U	38,021	613	340	1.7	189.7	189.7	190.7	1.0
V	39,744	386	1,076	0.5	195.2	195.2	196.2	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth.

² Feet above mouth

³ Elevations computed based on backwater effects from West Fork of San Jacinto River.

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE CANEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Caney Creek No. 2								
A	477	1,087	8,259	1.8	244.9	244.9	245.9	1.0
B	6,376	782	6,202	2.2	252.7	252.7	253.7	1.0
C	10,305	573	4,703	2.8	258.0	258.0	259.0	1.0
D	10,405	633	5,496	2.4	258.5	258.5	259.5	1.0
E	14,223	700	5,140	2.6	263.2	263.2	264.2	1.0
F	16,038	841	5,412	0.9	263.6	263.6	264.6	1.0
G	16,138	440	3,030	1.6	263.7	263.7	264.7	1.0
H	18,430	486	2,331	2.2	266.2	266.2	267.2	1.0
I	25,332	341	1,616	3.3	285.3	285.3	286.3	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE CANEY CREEK NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Caney Creek No. 3								
A	2,256	1,441	12,974	1.0	214.8	214.8	215.8	1.0
B	2,356	1,467	13,958	1.0	215.4	215.4	216.4	1.0
C	4,736	1,075	6,969	1.9	216.2	216.2	217.2	1.0
D	4,886	1,312	10,038	1.3	217.8	217.8	218.8	1.0
E	8,340	1,053	7,038	1.9	221.6	221.6	222.6	1.0
F	11,037	1,136	7,519	1.8	224.2	224.2	225.2	1.0
G	11,162	1,097	7,274	1.9	224.6	224.6	225.6	1.0
H	14,482	980	6,246	2.2	228.0	228.0	229.0	1.0
I	18,383	1,293	9,545	1.5	232.4	232.4	233.4	1.0
J	22,994	1,535	7,795	1.9	236.6	236.6	237.6	1.0
K	27,545	900 ²	8,406	1.8	241.5	241.5	242.5	1.0

¹ Feet above mouth

² Floodway width extends beyond county limits

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LITTLE CANEY CREEK NO. 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Lake Creek								
A	37,558	477	4,202	2.3	206.8	206.8	207.8	1.0
B	42,216	877	6,397	1.5	212.2	212.2	213.2	1.0
C	43,299	1,016	6,617	1.4	213.2	213.2	214.2	1.0
D	45,812	751	5,894	1.5	216.8	216.8	217.8	1.0
E	49,040	652	4,850	1.9	220.4	220.4	221.4	1.0
F	49,140	549	4,013	2.3	220.6	220.6	221.6	1.0
G	53,750	563	4,460	1.6	226.2	226.2	227.2	1.0
H	57,283	502	9,322	0.8	231.5	231.5	232.5	1.0
I	61,646	570	4,128	1.7	239.0	239.0	240.0	1.0
J	64,131	516	3,123	1.4	243.0	243.0	244.0	1.0
K	68,938	457	2,117	1.6	256.5	256.5	257.5	1.0
L	73,337	314	1,443	1.9	268.6	268.6	269.6	1.0
M	77,897	556	1,287	1.7	279.0	279.0	280.0	1.0
N ¹	82,020	97	519	2.7	291.6	291.6	291.6	0.0
O ¹	85,154	129	190	2.0	305.5	305.5	305.5	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth.

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE LAKE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Lake Creek Tributary No. 1								
A	924	147	535	1.2	212.1	212.1	213.1	1.0
B	1,024	187	723	0.9	213.0	213.0	214.0	1.0
C	3,138	67	304	2.1	224.0	224.0	225.0	1.0

¹ Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LITTLE LAKE CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Lake Creek Tributary No. 2								
A	2,084	102	407	1.5	214.3	214.3	215.3	1.0
B	2,184	115	513	1.2	215.7	215.7	216.7	1.0
C	2,984	76	328	1.9	219.7	219.7	220.7	1.0
D	3,084	97	322	1.9	220.4	220.4	221.4	1.0
E	3,310	130	337	1.6	221.2	221.2	222.2	1.0
F	3,410	82	232	2.6	222.0	222.0	223.0	1.0
G	3,697	87	291	2.0	223.7	223.7	224.7	1.0
H	3,797	111	403	1.5	224.4	224.4	225.4	1.0
I	4,236	123	405	1.4	225.8	225.8	226.8	1.0
J	4,336	152	508	1.1	226.1	226.1	227.1	1.0
K ¹	5,436	164	422	1.2	231.7	231.7	232.2	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LITTLE LAKE CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Lake Creek Tributary No. 3								
A	1,154	323	1,335	0.9	214.5	214.5	215.5	1.0
B	4,964	48	213	5.2	227.6	227.6	228.6	1.0
C ¹	7,097	35	164	6.2	235.9	235.9	236.4	0.5
D	9,621	28	171	4.3	248.5	248.5	249.5	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth

² Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LITTLE LAKE CREEK TRIBUTARY NO. 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Lake Creek Tributary No. 4								
A	1,065	344	1,238	1.0	214.4	214.4	215.4	1.0
B	3,977	307	528	1.7	231.8	231.8	232.8	1.0
C	4,077	261	469	1.9	233.4	233.4	234.4	1.0
D ¹	6,902	36	146	3.3	248.5	248.5	248.5	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE LAKE CREEK TRIBUTARY NO. 4

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Little Lake Creek Tributary No. 5								
A	1,900	345	2,062	1.9	222.2	222.2	223.2	1.0
B	4,984	468	1,289	2.3	227.7	227.7	228.7	1.0
C	5,976	439	1,924	1.5	231.7	231.7	232.7	1.0
D	9,806	332	1,027	2.9	243.8	243.8	244.8	1.0
E	13,168	116	502	3.0	257.3	257.3	258.3	1.0
F	17,565	20	91	5.9	284.0	284.0	285.0	1.0

¹ Feet above mouth

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LITTLE LAKE CREEK TRIBUTARY NO. 5

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ³	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Live Branch								
A ¹	19,872	798	5,282	0.4	202.8	202.8	203.3	0.5
B ²	21,809	700	685	2.3	205.6	205.6	206.6	1.0
C	21,989	369	1,421	1.1	210.4	210.4	211.4	1.0
D	24,590	181	630	2.4	220.3	220.3	221.3	1.0
E	24,690	46	263	5.8	220.6	220.6	221.6	1.0
F ¹	28,333	109	354	4.1	236.7	236.7	237.2	0.5
G	28,433	102	482	3.0	238.8	238.8	239.8	1.0
H ¹	29,651	59	195	4.5	245.6	245.6	246.1	0.5
I ¹	31,974	100	98	3.1	264.3	264.3	264.3	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth

² Common floodplain with Bell Creek

³ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LIVE BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Live Oak Branch								
A	5,380	60	341	6.6	178.5	178.5	178.5	0.0
B	6,323	52	267	7.7	182.4	182.4	182.4	0.0
C	7,266	60	342	5.5	186.6	186.6	186.6	0.0
D	7,982	60	300	6.2	189.4	189.4	189.4	0.0
E	8,773	50	201	8.7	191.8	191.8	191.8	0.0

¹ Feet above Old Montgomery Road

TABLE 5	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TEXAS AND INCORPORATED AREAS	FLOODWAY DATA
		LIVE OAK BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ³	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Log Gully								
A	1,380	175	1,315	1.5	195.2	191.7 ⁴	192.7 ⁴	1.0
B	1,480	161	1,159	1.7	195.3	193.0 ⁴	193.7 ⁴	0.7
C	6,700	*	*	*	214.6	214.6	*	*
D	9,530	*	*	*	214.7	214.7	*	*
E	11,100	*	*	*	214.9	214.9	*	*
F	14,373	153	673	1.8	217.8	217.8	218.8	1.0
G	18,699	73	305	3.5	226.7	226.7	227.4	0.7
H	18,799	48	303	3.5	227.4	227.4	228.3	0.9
I	21,008	81	541	1.9	233.1	233.1	234.1	1.0
J ¹	23,656	82	377	2.3	237.8	237.8	238.2	0.4
K	23,756	133	900	1.0	244.4	244.4	244.4	0.0
L	26,311	58	290	2.8	247.2	247.2	248.0	0.8
M	28,704	833	721	1.1	254.3	254.3	255.2	0.9
N	28,804	644	358	2.2	255.2	255.2	256.0	0.8
O ^{1,2}	30,578	61	275	2.4	260.1	260.1	260.6	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top existing channel at this depth

* Floodway not computed

² Cross section not shown on map; lies outside county limits

³ Feet above mouth

⁴ Elevation computed without consideration of backwater effects from Walnut Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

LOG GULLY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Martin Creek								
A	9,258	175	639	3.31	205.5	205.5	205.5	1.0
B ¹	12,514	34	272	6.23	217.1	217.1	217.1	0.5
C ¹	13,895	127	478	3.25	218.3	218.3	218.3	0.0
D ¹	13,995	93	678	2.29	223.1	223.1	223.1	0.5
E ¹	14,222	71	280	5.26	225.2	225.2	225.2	0.0
F ¹	14,422	276	4,147	0.35	236.3	236.3	236.3	0.5
G ¹	16,371	66	245	3.78	239.8	239.8	239.8	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MARTIN CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
McRae Creek								
A	3,933	135	1460	2.21	186.6	186.6	187.6	1
B	7,314	107	1,022	3.14	194.3	194.3	195.3	1.0
C	9,198	218	1,338	2.38	198.9	198.9	199.9	1.0
D	11,729	166	1,295	2.43	205.5	205.5	206.5	1.0
E	14,216	124	980	3.01	212.3	212.3	213.3	1.0
F	17,030	161	1,637	1.80	220.7	220.7	221.7	1.0
G	17,120	135	1,442	1.97	220.9	220.9	221.9	1.0
H ¹	19,278	130	924	3.03	224.5	224.5	225.0	0.5
I	19,378	172	1,179	2.38	224.9	224.9	225.9	1.0
J	25,024	112	779	3.28	236.5	236.5	237.5	1.0
K ¹	27,905	132	744	3.11	242.9	242.9	243.6	0.7
L ¹	27,955	67	424	5.45	243.0	243.0	243.7	0.7
M ¹	28,055	169	922	2.51	243.4	243.4	243.9	0.5
N	33,199	155	786	2.80	255.2	255.2	256.2	1.0
O ¹	33,324	285	1,815	1.21	258.2	258.2	258.7	0.5
P	38,287	117	688	3.00	270.5	270.5	271.5	1.0
Q	38,387	201	1,294	1.60	271.6	271.6	272.6	1.0
R ¹	42,366	136	707	2.51	280.7	280.7	281.4	0.7
S	45,791	153	763	2.02	290.8	290.8	291.8	1.0
T ¹	48,644	155	574	2.38	300.1	300.1	300.6	0.5
U	48,744	152	738	1.85	300.8	300.8	301.8	1.0
V	51,214	238	848	1.44	308.5	308.5	309.5	1.0
W	51,314	256	903	1.36	308.8	308.8	309.8	1.0
X	54,734	223	675	1.35	321.7	321.7	322.7	1.0
Y	57,880	54	246	2.88	340.1	340.1	341.1	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MCRAE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mill Creek								
A	1,135	1,080	16,013	0.61	156.6	156.6	157.6	1.0
B	1,185	2,189	19,114	0.51	156.6	156.6	157.6	1.0
C	5,908	560	5,956	1.54	156.6	156.6	157.6	1.0
D	9,023	342	3,726	2.46	157.0	157.0	158.0	1.0
E	12,343	418	4,557	2.01	159.9	159.9	160.9	1.0
F	12,443	346	4,681	1.96	160.2	160.2	161.2	1.0
G	15,368	770	8,441	1.08	161.4	161.4	162.4	1.0
H	18,942	535	5,110	1.79	164.9	164.9	165.9	1.0
I	22,405	1,093	8,585	1.07	166.5	166.5	167.5	1.0
J	27,668	704	6,699	1.37	169.9	169.9	170.9	1.0
K	31,329	628	6,632	1.38	172.1	172.1	173.1	1.0
L	31,429	724	9,189	1.00	172.2	172.2	173.2	1.0
M	32,865	1,243	12,146	0.75	172.6	172.6	173.6	1.0
N	36,412	863	8,264	1.10	174.1	174.1	175.1	1.0
O	40,478	604	5,319	1.70	178.3	178.3	179.3	1.0
P	44,123	864	7,706	U8	180.3	180.3	181.3	1.0
Q	44,223	753	8,845	1.02	180.6	180.6	181.6	1.0
R	46,572	784	6,198	1.46	182.0	182.0	183.0	1.0
S	47,220	850	6,975	1.30	183.0	183.0	184.0	1.0
T	48,459	993	6,917	1.31	183.4	183.4	184.4	1.0
U	51,581	556	4,776	1.89	187.2	187.2	188.2	1.0
V	56,396	814	7,691	1.22	189.5	189.5	190.5	1.0
W	56,776	543	4,522	2.04	190.2	190.2	191.2	1.0
X	56,976	544	4,806	1.92	190.7	190.7	191.7	1.0
Y	60,640	778	6,761	1.36	193.6	193.6	194.6	1.0
Z	63,403	467	5,165	1.78	196.4	196.4	197.4	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mill Creek (continued)								
AA	69,428	915	7,854	1.15	199.5	199.5	200.5	1.0
AB	69,578	988	6,681	1.35	199.8	199.8	200.8	1.0
AC	73,526	371	2,882	3.10	205.9	205.9	206.9	1.0
AD	78,781	996	7,754	1.20	206.3	206.3	207.3	1.0
AE	85,071	467	3,739	2.10	217.2	217.2	218.2	1.0
AF	89,449	533	5,002	1.59	221.2	221.2	222.2	1.0
AG	94,074	915	5,003	1.60	226.8	226.8	227.8	1.0
AH	97,880	500	3,674	2.30	233.5	233.5	234.5	1.0
AI	98,900	643	7,240	1.10	234.9	234.9	235.8	0.9
AJ	102,859	699	6,627	1.20	236.8	236.8	237.8	1.0
AK	105,824	984	7,287	1.10	238.4	238.4	239.4	1.0
AL	110,068	686	4,462	1.80	242.9	242.9	243.9	1.0
AM	154,920	681 ²	5,523	1.50	249.2	249.2	249.9	0.7

¹ Feet above mouth

² This width is outside county limits.

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mill Creek Tributary No. 1								
A	1,526	56	318	2.12	192.7	192.7	193.7	1.0
B	1,606	116	553	1.22	193.6	193.6	194.6	1.0
C	2,008	65	390	1.71	194.3	194.3	195.3	1.0
D	2,439	60	343	1.93	195.9	195.9	196.9	1.0
E	2,519	80	770	0.86	201.4	201.4	202.4	1.0
F	2,969	180	1,331	0.49	201.4	201.4	202.4	1.0
G	3,049	208	1,565	0.42	201.5	201.5	202.5	1.0
H	3,461	149	1,024	0.61	201.6	201.6	202.6	1.0
I	3,541	160	855	0.73	201.7	201.7	202.7	1.0
J	4,315	47	266	2.18	205.0	205.0	206.0	1.0
K	4,395	84	493	1.18	206.5	206.5	207.5	1.0
L	4,914	106	379	1.41	207.8	207.8	208.8	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mill Creek Tributary No. 2								
A	3,845	305	1,151	1.16	197.1	197.1	198.1	1.0
B	4,695	246	638	1.95	200.1	200.1	201.1	1.0
C	4,775	294	971	1.28	201.0	201.0	202.0	1.0
D	5,638	35	161	2.77	203.3	203.3	204.3	1.0
E	5,738	81	301	1.49	205.2	205.2	206.2	1.0
F ¹	6,210	46	146	2.82	206.3	206.3	206.8	0.5
G	6,310	104	408	1.01	208.2	208.2	209.2	1.0
H ¹	6,580	30	54	6.92	211.8	211.8	212.0	0.2
I	6,680	45	167	2.24	214.4	214.4	215.4	1.0
J	7,029	194	479	0.76	214.5	214.5	215.5	1.0
K ¹	7,571	45	114	2.50	217.2	217.2	217.2	0.0
L	7,671	45	136	2.10	219.8	219.8	220.8	1.0
M	8,410	13	53	2.85	225.7	225.7	226.7	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mill Creek Tributary No. 3								
A	377	67	265	3.13	203.8	203.8	204.8	1.0
B	784	59	169	4.88	205.9	205.9	206.9	1.0
C	884	83	324	2.54	207.5	207.5	208.5	1.0
D	1,856	81	275	2.93	211.6	211.6	212.6	1.0
E	1,956	135	607	1.32	213.1	213.1	214.1	1.0
F	2,750	22	112	3.64	217.8	217.8	218.8	1.0
G	2,850	41	289	1.42	221.5	221.5	222.5	1.0
H ¹	4,302	24	51	2.03	229.3	229.3	229.5	0.2

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mill Creek Tributary No. 4								
A	1,460	421	4,595	0.33	198.4	198.4	199.4	1.0
B	4,318	495	1,796	0.74	200.6	200.6	201.6	1.0
C	7,084	97	422	1.52	208.6	208.6	209.6	1.0
D ¹	9,586	260	427	1.21	219.6	219.6	219.8	0.2
E	12,238	91	191	1.76	232.6	232.6	233.6	1.0
F ¹	14,776	19	54	3.59	250.2	250.2	250.4	0.2
G	16,401	26	22	0.92	280.0	280.0	281.0	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 4

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mill Creek Tributary No. 5								
A	4,011	602	1,582	1.50	211.9	211.9	212.9	1.0
B	7,682	400	1,303	1.80	218.3	218.3	219.3	1.0
C	11,201	229	1,232	1.78	225.2	225.2	226.2	1.0
D	14,522	277	1,288	1.63	232.6	232.6	233.6	1.0
E	19,177	232	1,303	1.62	244.2	244.2	245.2	1.0
F	19,277	433	2,542	0.83	245.8	245.8	246.8	1.0
G	22,717	156	946	1.68	253.7	253.7	254.7	1.0
H	26,132	252	1,113	1.22	261.3	261.3	262.3	1.0

¹ Feet above confluence with Mill Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 5

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mink Branch								
A	2,550	357	3,066	1.19	190.7	190.7	191.7	1.0
B	7,100	205	1,453	2.52	196.4	196.4	197.4	1.0
C	10,650	165	1,360	2.77	202.5	202.5	203.5	1.0
D	12,491	563	2,291	0.96	204.4	204.4	205.4	1.0
E	12,641	340	1,515	1.46	205.4	205.4	206.4	1.0
F ¹	15,572	62	578	3.91	209.2	209.2	209.7	0.5
G	18,915	57	527	4.34	215.3	215.3	216.3	1.0
H	22,591	78	630	3.64	222.8	222.8	223.3	0.5
I	25,611	95	515	3.47	230.5	230.5	231.5	1.0
J ¹	28,051	57	424	3.89	236.1	236.1	236.8	0.7
K	28,151	209	1,318	1.25	238.8	238.8	239.8	1.0
L	30,755	126	591	2.27	241.7	241.7	242.7	1.0
M ¹	34,858	19	125	5.07	253.2	253.2	253.7	0.5
N	34,943	68	466	1.36	257.5	257.5	258.5	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MINK BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mound Creek								
A	9,246	733	6,061	0.99	152.3	152.3	153.3	1.0
B	12,852	760	4,233	1.41	157.7	157.7	158.7	1.0
C	12,952	788	5,730	1.05	158.8	158.8	159.8	1.0
D	14,846	564	3,961	1.51	162.1	162.1	163.1	1.0
E	18,621	614	3,633	1.64	167.4	167.4	168.4	1.0
F	20,610	650	3,551	1.68	170.6	170.6	171.6	1.0
G	22,449	504	2,854	2.09	173.7	173.7	174.7	1.0
H	25, 105	429	2,605	2.24	179.3	179.3	180.3	1.0
I	25,205	508	3,328	1.76	179.6	179.6	180.6	1.0
J	27,836	309	2,582	2.25	184.2	184.2	185.2	1.0
K	31,971	465	2,515	2.21	192.0	192.0	193.0	1.0
L	35,671	726	3,249	1.69	198.2	198.2	199.2	1.0
M	37,721	649	2,506	2.02	203.0	203.0	204.0	1.0
N	39,660	168	1,284	3.95	206.7	206.7	207.7	1.0
O	39,760	169	1,119	4.5	207.3	207.3	208.3	1.0
P ¹	39,860	605	3,405	1.5	210.7	210.7	211.7	1.0
Q	41,842	470	2,587	1.6	211.7	211.7	212.7	1.0
R	44,976	424	1,819	2.3	215.2	215.2	216.2	1.0
S	49, 153	464	1,950	2.2	222.2	222.2	223.2	1.0
T	51,521	67	512	8.5	226.7	226.7	227.7	1.0
U	54,281	381	611	3.2	230.6	230.6	231.6	1.0
V	54,382	590	1,517	1.3	232.8	232.8	233.8	1.0
W	57,515	150	529	3.5	241.9	241.9	242.9	1.0
X	59,195	87	432	4.2	247.1	247.1	248.1	1.0
Y	59,294	112	456	4.0	247.4	247.4	248.4	1.0
Z	62,780	121	407	4.0	259.2	259.2	260.2	1.0

¹ Common floodplain with Mound Creek Tributary No. 1

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MOUND CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mound Creek (cont'd)								
AA	64,892	146	611	2.56	266.2	266.2	267.2	1.0
AB	68,754	34	199	4.48	282.8	282.8	283.8	1.0
AC ¹	73,857	63	108	2.75	311.4	311.4	311.4	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MOUND CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Mound Creek Tributary No. 1								
A	1,853	98	340	1.83	214.9	214.9	215.9	1.0
B	4,464	32	147	3.95	229.5	229.5	230.5	1.0
C ¹	6,661	60	332	1.57	247.6	247.6	247.6	0.0
D ¹	6,765	46	316	1.65	247.7	247.7	248.2	0.5
E	7,859	28	83	3.48	253.8	253.8	254.8	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

MOUND CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
North Fork Stewarts Creek								
A	0.230	26	84	7.3	188.2	188.2	188.9	0.7
B	0.345	22	100	6.1	194.9	194.9	195.0	0.1
C	0.537	52	186	3.3	200.3	200.3	200.6	0.3
D	0.551	326	1,383	0.4	201.4	201.4	201.7	0.3
E	0.717	33	45	6.4	205.4	205.4	205.4	0.0
F	0.827	35	45	6.5	209.5	209.5	209.5	0.0
G	0.888	150	222	1.3	217.7	217.7	217.7	0.0

¹ Miles above confluence with Stewarts Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

NORTH FORK STEWARTS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Orton Gully								
A ¹	2,410	80	538	1.61	73.5	73.5	74.0	0.5
B ¹	5,117	95	362	2.2	77.3	77.3	77.8	0.5
C	6,522	142	360	2.2	81.5	81.5	82.5	1.0
D	6,622	115	355	2.2	81.8	81.8	82.8	1.0
E ¹	9,101	130	202	2.8	91.7	91.7	91.7	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

ORTON GULLY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Panther Branch								
A	12,779	372	3,686	1.5	114.0	110.0 ²	111.0 ²	1.0
B	15,547	283	1,744	3.1	114.8	113.2 ²	114.1 ²	0.9
C	19,090	290	2,704	2.0	115.6	115.6	116.5	0.9
D	19,220	122	1,373	4.0	115.6	115.6	116.5	0.9
E	19,270	126	1,333	4.1	115.6	115.6	116.5	0.9
F	19,352	606	3,855	1.4	116.0	116.0	116.8	0.8
G	21,410	551	3,339	1.6	118.5	118.5	119.4	0.9
H	22,753	671	5,901	0.9	119.3	119.3	120.3	1.0
I	22,853	746	7,024	0.8	119.4	119.4	120.4	1.0
J	27,660	783	3,314	1.6	121.7	121.7	122.5	0.8
K	29,723	432	3,539	1.5	123.1	123.1	124.1	1.0
L	29,773	382	3,055	1.7	123.1	123.1	124.1	1.0
M	30,204	380	690	7.7	127.6	127.6	127.6	0.0
N	30,254	370	3,940	1.4	128.2	128.2	128.2	0.0
O	30,934	780	9,052	0.6	128.2	128.2	128.2	0.0
P	32,814	550	6,254	0.8	128.3	128.3	128.3	0.0
Q	35,154	470	5,289	1.0	128.3	128.3	128.3	0.0
R	38,249	380	3,670	1.4	128.4	128.4	128.4	0.0
S	38,460	400	3,904	1.3	128.4	128.4	128.4	0.0
T	38,930	609	2,856	1.8	130.8	130.8	131.5	0.7
U	40,467	549	4,005	1.3	133.7	133.7	134.7	1.0
V	43,451	436	3,694	1.4	137.2	137.2	138.2	1.0
W	45,244	503	4,269	1.2	138.6	138.6	139.6	1.0

¹ Feet above confluence with Spring Creek

² Elevation computed without consideration of backwater effects from Spring Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PANTHER BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Panther Branch (continued)								
X	46,393	712	5,215	0.9	139.2	139.2	140.2	1.0
Y	48,341	789	5,878	0.9	140.1	140.1	141.1	1.0
Z	51,871	651	3,472	0.7	141.9	141.9	142.9	1.0
AA	54,592	332	1,645	1.4	145.6	145.6	146.6	1.0
AB	54,642	389	1,789	1.3	145.7	145.7	146.7	1.0
AC	54,692	479	2,218	1.1	145.7	145.7	146.7	1.0
AD	56,543	551	2,411	1.0	147.6	147.6	148.6	1.0
AE	56,623	617	2,411	1.0	148.0	148.0	149.0	1.0
AF	58,360	258	958	2.4	150.9	150.9	151.9	1.0
AG	59,660	258	922	1.4	153.2	153.2	154.1	0.9
AH	60,900	180	701	1.9	154.9	154.9	155.6	0.7
AI	63,330	230	766	1.7	159.3	159.3	159.8	0.5
AJ	64,250	328	901	1.4	161.2	161.2	161.5	0.3
AK	66,818	313	1,201	1.1	164.8	164.8	165.8	1.0
AL	66,968	574	3,176	0.4	166.7	166.7	167.7	1.0
AM	70,020	307	909	1.1	170.7	170.7	171.7	1.0
AN	70,120	488	1,684	0.6	171.9	171.9	172.9	1.0
AO	72,237	384	1,305	0.7	175.2	175.2	176.2	1.0
AP	72,337	620	3,321	0.3	177.9	177.9	178.9	1.0
AQ	74,137	628	921	0.9	181.8	181.8	182.8	1.0

¹ Feet above confluence with Spring Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PANTHER BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Panther Branch Tributary No. 1								
A ¹	4,320	119	940	1.0	114.2	114.2	114.4	0.2
B ¹	5,493	69	114	7.8	114.4	114.4	114.4	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above confluence with Spring Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PANTHER BRANCH TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Panther Branch Tributary No. 2								
A	2,058	155	692	1.5	156.7	156.7	157.7	1.0
B	2,098	98	492	2.1	156.8	156.8	157.8	1.0
C	2,178	110	570	1.8	157.0	157.0	158.0	1.0
D	5,651	126	534	1.6	165.8	165.8	166.8	1.0
E	8,854	201	674	1.1	173.2	173.2	174.2	1.0
F	12,555	49	159	2.8	184.3	184.3	185.3	1.0
G	12,630	62	75	6.0	185.7	185.7	186.2	0.5
H	15,072	73	208	1.4	190.0	190.0	191.0	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PANTHER BRANCH TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Peach Creek								
A	7,247	1,097	146	2.2	75.6	75.6	76.6	1.0
B	11,940	692	11,391	3.8	78.1	78.1	79.1	1.0
C	12,040	843	13,320	3.2	78.6	78.6	79.6	1.0
D	15,543	1,239	17,810	2.4	80.0	80.0	81.0	1.0
E	17,665	1,566	16,539	2.6	81.5	81.5	82.5	1.0
F	22,768	1,350	18,278	2.3	85.5	85.5	86.5	1.0
G	22,918	1,277	16,223	2.6	85.9	85.9	86.9	1.0
H	27,467	2,113	20,858	2.0	89.5	89.5	90.5	1.0
I	27,567	2,243	21,841	1.9	89.9	89.9	90.9	1.0
J	29,624	1,095	14,690	2.9	91.4	91.4	92.4	1.0
K	32,988	1,033	14,123	2.9	95.6	95.6	96.6	1.0
L	35,711	3,467	48,569	0.8	96.1	96.1	97.1	1.0
M	35,811	3,479	46,610	0.9	96.3	96.3	97.3	1.0
N	35,936	1,354	22,379	1.8	96.3	96.3	97.3	1.0
O	37,477	691	11,656	3.4	98.5	98.5	99.5	1.0
P	38,272	877	14,784	2.7	99.8	99.8	100.8	1.0
Q	41,452	1,671	20,516	1.9	101.9	101.9	102.9	1.0
R	45,019	2,566	28,033	1.4	103.4	103.4	104.4	1.0
S	47,889	1,762	22,798	1.7	104.5	104.5	105.5	1.0
T	48,880	1,254	15,875	2.3	105.4	105.4	106.4	1.0
U	49,912	1,538	18,383	2.0	106.1	106.1	107.1	1.0
V	50,052	1,652	19,581	1.9	106.6	106.6	107.6	1.0
W	56,513	2,230	25,432	1.4	110.2	110.2	111.2	1.0
X	60,920	1,211	15,785	2.3	114.3	114.3	115.3	1.0
Y	66,069	1,763	21,237	1.7	117.6	117.6	118.6	1.0
Z	69,199	1,100	16,769	2.1	119.7	119.7	120.7	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PEACH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Peach Creek (continued)								
AA	74,450	1,457	17,118	2.0	123.9	123.9	124.9	1.0
AB	74,550	1,461	18,394	1.9	124.4	124.4	125.4	1.0
AC	79,968	1,059	23,289	2.2	128.3	128.3	129.3	1.0
AD	83,824	857	11,772	2.4	132.5	132.5	133.5	1.0
AE	86,448	1,104	15,132	1.9	134.5	134.5	135.5	1.0
AF	86,538	997	15,161	1.9	135.0	135.0	136.0	1.0
AG	89,020	1,265	17,664	1.6	136.2	136.2	137.2	1.0
AH	90,520	1,165	12,287	2.3	137.5	137.5	138.5	1.0
AI	92,878	1,711	16,453	1.7	139.4	139.4	140.4	1.0
AJ	93,461	1,092	14,054	2.0	139.6	139.6	140.6	1.0
AK	96,266	1,330	12,715	2.2	143.1	143.1	144.1	1.0
AL	96,356	1,361	13,221	2.1	144.2	144.2	145.2	1.0
AM	96,436	1,307	14,575	1.9	144.5	144.5	145.5	1.0
AN	99,085	1,233	14,561	1.9	145.5	145.5	146.5	1.0
AO	103,724	749/172 ²	9,584	2.7	150.3	150.3	151.3	1.0
AP	103,824	688/187 ²	9,166	2.8	150.6	150.6	151.6	1.0
AQ	112,165	932/218 ²	11,809	2.1	158.5	158.5	159.5	1.0
AR	118,691	733/330 ²	11,264	2.2	164.8	164.8	165.8	1.0
AS	125,674	633/297 ²	9,048	2.3	171.3	171.3	172.3	1.0
AT	130,645	544/186 ²	8,507	2.4	176.5	176.5	177.5	1.0
AU	136,477	501/344 ²	7,879	2.6	183.4	183.4	184.4	1.0
AV	142,518	488/216 ²	6,442	2.2	188.5	188.5	189.5	1.0
AW	147,886	767/427 ²	7,914	1.8	193.7	193.7	194.7	1.0
AX	147,986	828/596 ²	8,530	1.7	193.8	193.8	194.8	1.0
AY	152,182	564/312 ²	5,624	2.5	199.3	199.3	200.3	1.0

¹ Feet above mouth

² Total width/width within the county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PEACH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ³	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Peach Creek (continued)								
AZ	155,713	423/112 ⁴	4,790	2.9	206.9	206.9	207.9	1.0
BA	155,813	506/55 ⁴	5,425	2.5	207.4	207.4	208.4	1.0
BB	159,308	566/52 ⁴	6,738	2.0	211.1	211.1	212.1	1.0
BC	164,042	620/452 ⁴	6,198	2.2	218.3	218.3	219.3	1.0
BD	169,781	636/444 ⁴	6,181	2.1	226.5	226.5	227.5	1.0
BE	173,373	335/67 ⁴	4,107	3.1	234.9	234.9	235.9	1.0
BF	176,458	540/315 ⁴	5,233	2.4	240.1	240.1	241.1	1.0
BG	176,558	580/447 ⁴	5,790	2.2	240.7	240.7	241.7	1.0
BH	182,079	520/486 ⁴	5,512	2.2	247.3	247.3	248.3	1.0
BI	184,888	352/191 ⁴	2,967	2.7	253.8	253.8	254.8	1.0
BJ	184,988	404/240 ⁴	3,630	2.2	254.2	254.2	255.2	1.0
BK	187,111	345/238 ⁴	3,024	2.5	259.0	259.0	260.0	1.0
BL	190,160	215/142 ⁴	1,954	3.8	266.5	266.5	267.5	1.0
BM	190,310	416/207 ⁴	3,716	2.0	267.2	267.2	268.2	1.0
BN	191,940	326/17 ⁴	3,039	2.4	270.8	270.8	271.8	1.0
BO	196,027	361/262 ⁴	3,123	2.2	279.4	279.4	280.4	1.0
BP	198,141	525/202 ⁴	2,754	1.5	283.0	283.0	284.0	1.0
BQ	201,223	241/22 ⁴	1,544	2.6	293.3	293.3	294.3	1.0
BR	204,134	142/65 ⁴	1,069	3.5	304.7	304.7	305.7	1.0
BS	208,222	148/35 ⁴	1,056	3.1	318.4	318.4	319.4	1.0
BT ^{1,2}	213,372	98	252	2.9	345.7	345.7	345.7	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Cross section not shown on map; lies outside county limits

³ Feet above mouth

⁴ Total width/width within the county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PEACH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Peach Creek Tributary No. 1								
A	1,242	630	7,270	1.2	92.0	92.0	93.0	1.0
B	2,145	505	4,331	1.9	92.2	92.2	93.2	1.0
C	3,324	167	1,760	4.8	93.2	93.2	93.7	0.5
D	4,967	733	8,163	1.0	93.9	93.9	94.9	1.0
E	5,067	748	7,647	1.1	93.9	93.9	94.9	1.0
F	6,077	200	2,080	4.0	94.8	94.8	95.8	1.0
G	10,705	815	4,549	0.8	96.9	96.9	97.9	1.0
H	13,287	426	2,246	1.4	99.8	99.8	100.8	1.0
I	13,387	434	2,100	1.5	100.1	100.1	101.1	1.0
J	14,528	430	1,977	1.5	102.1	102.1	103.1	1.0
K	14,628	421	1,945	1.5	102.3	102.3	103.3	1.0
L	20,581	768	1,900	1.0	117.3	117.3	118.3	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PEACH CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Peach Creek Tributary No. 2								
A	2,504	230	984	0.7	111.0	111.0	111.5	0.5
B	2,584	160	857	0.9	111.1	111.1	111.6	0.5
C	3,832	147	354	1.9	114.4	114.4	114.9	0.5
D	5,317	65	168	3.6	120.7	120.7	120.7	0.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PEACH CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Peach Creek Tributary No. 3								
A	1,733	270	1,666	1.8	283.7	283.7	284.7	1.0
B ¹	6,974	77	416	4.2	311.5	311.5	312.0	0.5
C ¹	10,115	115	472	3.4	328.2	328.2	328.7	0.5
D	10,215	102	618	2.6	329.1	329.1	330.1	1.0
E ¹	16,465	111	247	1.8	367.3	367.3	367.8	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

PEACH CREEK TRIBUTARY NO. 3

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Pole Creek								
A	1,187	341	1,577	1.3	240.9	240.9	241.9	1.0
B ¹	3,074	201	837	2.4	245.3	245.3	246.3	1.0
C ¹	3,790	91	529	3.9	246.6	246.6	247.6	1.0
D	6,254	113	525	4.3	253.6	253.6	254.6	1.0
E	10,075	42	309	5.5	267.8	267.8	268.8	1.0
F ¹	13,693	70	324	3.9	280.6	280.6	281.1	0.5
G ¹	17,875	49	156	3.1	300.6	300.6	301.1	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

POLE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Possum Branch								
A	0.227	77	486	3.0	173.5	173.5	174.5	1.0
B	0.521	259	952	1.5	178.2	178.2	179.2	1.0
C	0.696	92	337	4.3	181.3	181.3	182.3	1.0
D	0.732	406	2,781	0.5	187.2	187.2	187.3	0.1
E	0.920	172	841	1.2	187.7	187.7	187.9	0.2
F	1.100	71	253	3.0	190.1	190.1	190.8	0.7
G	1.200	102	277	1.7	193.0	193.0	193.9	0.9

¹ Miles above confluence with Stewarts Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

POSSUM BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Rush Creek								
A	16,881	319	1,525	0.8	202.8	202.8 ³	203.8 ³	1.0
B ¹	17,550	377	486	2.6	204.5	204.5	205.5	1.0
C ¹	19,211	45	204	4.9	209.9	209.9	210.4	0.5
D	20,564	356	652	1.2	219.7	219.7	220.7	1.0
E ¹	20,664	62	120	6.7	220.3	220.3	220.8	0.5
F ¹	21,567	58	153	2.4	225.3	225.3	225.8	0.5
G ¹	21,667	92	418	0.9	226.4	226.4	226.9	0.5
H ¹	23,027	52	62	4.7	234.0	234.0	234.0	0.0
I ¹	24,253	55	66	3.2	243.2	243.2	243.2	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

³ Elevations computed based on backwater effects from Lake Conroe

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

RUSH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Rush Creek Tributary No.1								
A	1,848	173	536	1.3	202.8	202.8 ³	202.8 ³	0.0
B ¹	2,907	183	144	3.4	206.9	206.9	206.9	0.0
C ¹	3,429	49	92	2.0	211.3	211.3	211.3	0.0
D	3,529	134	493	0.9	216.2	216.2	216.7	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

³ Elevations computed based on backwater effects from Lake Conroe

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

RUSH CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Rush Creek Tributary No. 2								
A ¹	430	45	111	3.3	210.4	210.4	210.9	0.5
B	530	34	163	2.3	213.7	213.7	214.7	1.0
C ¹	1,244	71	120	2.9	216.2	216.2	216.2	0.0
D	2,886	362	1,261	0.2	240.2	240.2	241.2	1.0
E ¹	4,067	83	23	4.2	249.8	249.8	249.8	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

RUSH CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Sam Bell Gully								
A	29,927	59	148	7.1	121.7	121.7	121.7	0.0
B	31,127	22	103	8.6	123.4	123.4	123.6	0.2
C	32,667	17	87	7.8	128.4	128.4	128.4	0.0
D	33,817	25	100	6.8	130.8	130.8	130.8	0.0
E	34,417	24	99	6.9	131.3	131.3	131.3	0.0
F	35,017	23	91	7.5	131.8	131.8	131.9	0.1

¹ Feet above Spring Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SAM BELL GULLY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Sand Branch								
A	1,659	802	5,601	0.1	157.4	157.4 ³	158.4	1.0
B	1,759	830	5,185	0.1	157.4	157.4 ³	158.4	1.0
C ¹	3,651	63	220	2.9	165.1	165.1	165.1	0.0
D ¹	4,889	46	172	3.6	172.4	172.4	172.9	0.5
E	4,989	28	173	3.6	174.6	174.6	175.6	1.0
F ¹	6,472	70	216	2.8	183.0	183.0	183.5	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

³ Elevation computed without consideration of backwater effects from West Fork of San Jacinto River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SAND BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Sand Branch No. 2								
A	1,556	288	970	1.5	248.5	248.5	249.5	1.0
B	4,691	163	478	2.9	261.7	261.7	262.7	1.0
C ¹	7,359	108	327	3.6	271.0	271.0	271.5	0.5
D ¹	11,096	66	137	3.3	289.8	289.8	289.8	0.0
E ¹	14,875	124	34	2.0	334.9	334.9	334.9	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SAND BRANCH NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Sandy Branch								
A	14,267	195	675	1.5	124.8	124.8	125.8	1.0
B	15,447	172	519	2.0	125.9	125.9	126.9	1.0
C	16,619	92	460	2.3	128.8	128.8	129.8	1.0
D ¹	17,419	93	402	2.6	131.2	131.2	131.7	0.5
E ¹	20,277	60	338	2.7	138.4	138.4	138.9	0.5
F ¹	22,677	118	239	3.1	145.8	145.8	145.8	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SANDY BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Shepard Branch								
A	3,137	157	475	4.3	232.6	232.6	233.6	1.0
B	7,541	69	361	5.8	246.2	246.2	246.7	0.5
C	7,641	122	885	2.4	248.4	248.4	249.4	1.0
D	8,960	280	459	3.5	256.2	256.2	257.2	1.0
E ¹	12,505	102	132	4.1	277.4	277.4	277.4	0.0
F	12,605	137	435	1.3	283.7	283.7	284.7	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SHEPARD BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Silverdale Creek								
A	10,700	84	394	3.8	130.8	130.8	131.8	1.0
B	13,950	60	322	3.3	143.7	143.7	144.7	1.0
C	15,725	80	338	3.2	148.2	148.2	149.2	1.0
D	16,425	72	295	3.6	151.5	151.5	152.5	1.0
E	17,425	30	177	5.6	155.3	155.3	156.3	1.0
F	18,575	68	321	2.7	158.0	158.0	159.0	1.0
G	19,710	34	129	5.1	164.2	164.2	165.2	1.0
H	19,770	104	533	1.2	166.2	166.2	167.2	1.0
I	21,130	85	269	1.4	173.1	173.1	174.1	1.0
J	21,190	113	495	0.8	173.7	173.7	174.7	1.0
K	21,860	59	237	1.3	175.5	175.5	176.5	1.0
L	21,901	48	172	1.7	175.6	175.6	176.6	1.0
M	23,091	17	85	3.1	181.9	181.9	182.4	0.5
N	23,152	70	332	0.8	185.3	185.3	186.3	1.0
O	23,452	31	129	1.9	186.0	186.0	186.5	0.5
P	23,512	23	129	1.9	186.8	186.8	187.8	1.0
Q	23,882	33	148	1.5	187.1	187.1	187.6	0.5

¹ Feet above confluence with Stewarts Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SILVERDALE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Spring Branch								
A	5,393	309	4,256	2.3	102.6	102.6	103.6	1.0
B	14,248	660	6,647	1.5	107.3	107.3	108.3	1.0
C	21,668	684	5,355	1.8	114.8	114.8	115.8	1.0
D	25,208	638	5,683	1.7	117.8	117.8	118.8	1.0
E ¹	25,308	616	5,409	1.8	118.0	118.0	119.0	1.0
F	28,715	639	5,545	1.7	121.6	121.6	122.6	1.0
G	32,918	743	6,666	1.4	124.9	124.9	125.9	1.0
H	35,355	319	2,965	3.1	127.4	127.4	128.4	1.0
I	35,555	570	4,975	1.9	128.2	128.2	129.2	1.0
J	38,694	902	7,007	1.3	130.3	130.3	131.3	1.0
K	40,181	1,187	7,670	1.2	131.4	131.4	132.4	1.0
L	41,830	898	5,541	1.6	133.4	133.4	134.4	1.0
M	44,941	567	3,752	1.3	137.2	137.2	138.2	1.0
N	49,480	290	1,761	2.0	140.6	140.6	141.6	1.0
O	53,637	300	1,270	2.2	147.0	147.0	147.5	0.5
P	59,202	366	1,173	1.8	157.2	157.2	157.7	0.5
Q	62,264	154	749	2.5	165.2	165.2	166.2	1.0
R	62,364	303	1,722	1.1	167.5	167.5	168.5	1.0
S	64,118	238	976	1.8	171.9	171.9	172.9	1.0
T ¹	64,218	240	989	1.7	172.2	172.2	172.7	0.5
U ¹	66,690	74	298	2.6	176.9	176.9	177.4	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SPRING BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Spring Branch No.2								
A	3,471	265	889	1.7	208.3	208.3	209.3	1.0
B ¹	6,668	33	223	7.4	221.8	221.8	222.0	0.2
C ¹	10,495	30	146	4.5	243.9	243.9	244.4	0.5
D	13,173	98	140	3.6	264.2	264.2	265.2	1.0
E ¹	13,273	210	880	0.6	269.1	269.1	270.1	1.0
F	14,186	18	70	5.5	279.1	279.1	280.1	1.0
G	14,286	57	331	1.2	282.8	282.8	283.8	1.0
H ¹	15,856	66	71	3.1	298.0	298.0	298.0	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SPRING BRANCH NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET) ²	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Spring Creek								
A	3,020	2,528/1,165	35,092	2.2	67.1	67.1	68.1	1.0
B	5,240	1,679/372	22,041	3.5	68.9	68.9	69.9	1.0
C	9,273	1,555/921	33,571	2.3	73.7	73.7	74.6	0.9
D	12,249	2,615/1,250	49,153	1.6	75.3	75.3	76.2	0.9
E	16,414	3,310/700	52,315	1.5	76.6	76.6	77.5	0.9
F	19,133	3,495/1,412	56,304	1.4	77.7	77.7	78.5	0.8
G	21,506	2,060/810	35,893	1.6	78.4	78.4	79.2	0.8
H	23,405	2,675/720	42,630	1.3	78.9	78.9	79.8	0.9
I	25,884	2,300/400	37,384	1.5	79.6	79.6	80.5	0.9
J	27,592	1,202/702	26,531	2.1	80.3	80.3	81.1	0.8
K	29,693	2,760/260	47,802	1.2	80.9	80.9	81.7	0.8
L	32,536	2,741/741	43,052	1.3	81.7	81.7	82.6	0.9
M	36,357	2,829/100	43,921	1.3	83.0	83.0	83.8	0.8
N	39,314	2,785/1,125	34,453	1.7	84.1	84.1	84.9	0.8
O	41,576	2,455/1,755	39,923	1.4	85.0	85.0	85.8	0.8
P	43,924	1,768/1,393	26,846	2.1	85.9	85.9	86.7	0.8
Q	46,244	2,250/1,680	36,047	1.6	87.0	87.0	87.9	0.9
R	49,774	1,714/867	27,403	2.1	88.4	88.4	89.3	0.9
S	53,962	1,665/1,345	23,903	2.4	92.0	92.0	92.7	0.7
T	57,733	1,695/1,320	28,872	2.0	93.9	93.9	94.8	0.9
U	60,210	1,915/455	26,118	2.2	94.9	94.9	95.6	0.7
V	62,960	3,148/766	32,764	1.7	96.0	96.0	96.8	0.8
W	65,844	2,970/1,080	31,135	1.8	97.8	97.8	98.7	0.9
X	68,065	2,120/750	33,019	1.7	98.8	98.8	99.7	0.9
Y	68,729	1,788/362	24,035	2.4	99.3	99.3	100.1	0.8
Z	69,232	1,800/760	42,201	1.4	99.9	99.9	100.7	0.8

¹ Stream distance in feet above confluence with West Fork San Jacinto River

² Total width/width within county boundary

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET) ²	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Spring Creek (continued)								
AA	70,767	1,545/1,035	25,572	2.3	99.9	99.9	100.7	0.8
AB	72,548	1,839/1,625	37,011	1.6	101.0	101.0	101.8	0.8
AC	75,019	1,870/650	32,790	1.8	101.4	101.4	102.2	0.8
AD	76,553	1,900/70	30,457	1.9	102.5	102.5	103.2	0.7
AE	79,447	2,055/1,280	38,745	1.5	103.4	103.4	104.2	0.8
AF	82,074	2,311/2,076	35,464	1.6	104.2	104.2	104.8	0.6
AG	82,762	2,505/1,975	39,512	1.5	104.8	104.8	105.3	0.5
AH	85,857	1,915/660	24,497	2.4	105.1	105.1	105.8	0.7
AI	86,682	1,545/127	16,914	3.4	105.8	105.8	106.5	0.7
AJ	87,196	1,545/127	17,880	3.2	107.2	107.2	107.9	0.7
AK	88,797	2,230/805	34,506	1.7	108.0	108.0	108.5	0.5
AL	90,249	1,720/750	32,082	1.8	108.3	108.3	108.8	0.5
AM	93,038	1,690/310	28,778	2.0	109.0	109.0	109.6	0.6
AN	95,304	2,670/940	32,714	1.7	110.3	110.3	110.9	0.6
AO	99,039	1,954/649	28,936	1.9	112.0	112.0	112.6	0.6
AP	100,361	1,978/70	29,568	1.9	112.6	112.6	113.3	0.7
AQ	102,795	1,795/565	26,399	2.1	114.3	114.3	114.9	0.6
AR	107,035	1,975/875	31,127	1.8	116.2	116.2	117.0	0.8
AS	110,555	2,060/850	34,881	1.6	118.1	118.1	119.0	0.9
AT	114,332	2,535/1,590	29,839	1.7	121.3	121.3	121.9	0.6
AU	117,085	2,051/616	32,071	1.6	122.7	122.7	123.3	0.6
AV	121,287	2,116/1,950	33,260	1.5	123.3	123.3	124.1	0.8
AW	124,486	2,932/1,432	45,207	1.1	124.4	124.4	125.2	0.8
AX	126,725	2,750/1,475	37,221	1.3	125.6	125.6	126.2	0.6
AY	128,719	1,791/775	37,190	1.3	126.3	126.3	127.0	0.7
AZ	130,131	1,955/1,270	34,537	1.4	127.0	127.0	127.7	0.7

¹ Stream distance in feet above confluence with West Fork San Jacinto River

² Total width/width within county boundary

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET) ²	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Spring Creek (continued)								
BA	134,528	1,655/1,125	28,934	1.9	130.0	130.0	130.7	0.7
BB	136,198	2,060/1,045	33,934	1.6	131.0	131.0	131.7	0.7
BC	139,160	2,130/320	31,048	1.7	132.5	132.5	133.2	0.7
BD	141,924	2,006/1,036	36,718	1.5	134.0	134.0	134.9	0.9
BE	144,511	2,100/435	39,764	1.4	134.7	134.7	135.6	0.9
BF	147,850	1,940/640	33,480	1.6	136.1	136.1	136.9	0.8
BG	148,935	1,971/1,600	21,015	2.6	137.2	137.2	138.0	0.8
BH	149,312	2,020/1,470	33,809	1.6	137.7	137.7	138.4	0.7
BI	151,553	2,740/1,400	47,921	1.1	138.5	138.5	139.2	0.7
BJ	153,682	2,385/1,670	34,945	1.6	139.0	139.0	139.7	0.7
BK	156,002	2,037/340	36,485	1.5	140.2	140.2	141.0	0.8
BL	159,174	3,617/617	52,285	1.0	141.1	141.1	141.8	0.7
BM	162,164	3,540/2,390	53,911	1.0	141.4	141.4	142.1	0.7
BN	165,536	2,902/2,645	34,426	1.6	141.7	141.7	142.4	0.7
BO	168,865	2,690/2,475	33,799	1.6	142.5	142.5	143.3	0.8
BP	171,769	2,341/1,731	29,926	1.5	143.9	143.9	144.7	0.8
BQ	174,131	2,095/495	27,491	2.0	145.8	145.8	146.6	0.8
BR	176,206	1,778/35	25,629	2.1	147.7	147.7	148.4	0.7
BS	179,255	1,895/225	29,183	1.9	149.1	149.1	149.8	0.7
BT	180,714	1,715/280	25,650	2.1	149.7	149.7	150.4	0.7
BU	181,707	1,652/385	23,797	2.3	150.8	150.8	151.4	0.6
BV	182,543	1,968/30	29,609	1.8	151.5	151.5	152.2	0.7
BW	186,599	1,535/600	24,355	2.2	153.3	153.3	154.0	0.7
BX	189,713	1,085/35	21,290	2.1	156.9	156.9	157.6	0.7
BY	190,756	1,176/626	27,038	1.6	157.5	157.5	158.2	0.7
BZ	192,987	1,825/1,125	30,093	1.5	158.0	158.0	158.7	0.7

¹ Stream distance in feet above confluence with West Fork San Jacinto River

² Total width/width within county boundary

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET) ²	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Spring Creek (continued)								
CA	193,888	1,780/550	25,368	1.8	158.3	158.3	159.0	0.7
CB	198,097	1,590/450	26,417	1.7	159.0	159.0	159.8	0.8
CC	198,319	1,316/166	24,682	1.8	159.9	159.9	160.6	0.7
CD	201,302	2,790/625	44,465	1.0	160.4	160.4	161.2	0.8
CE	203,890	1,865/380	32,448	1.4	160.8	160.8	161.6	0.8
CF	206,326	2,670/415	48,003	0.9	161.1	161.1	161.8	0.7
CG	207,518	2,250/900	26,237	1.7	161.9	161.9	162.6	0.7
CH	209,190	1,645/905	27,247	1.6	162.8	162.8	163.5	0.7
CI	211,632	1,950/250	30,375	1.5	163.8	163.8	164.6	0.8
CJ	213,919	2,460/200	37,577	1.2	164.2	164.2	165.0	0.8
CK	217,355	2,050/1,359	27,672	1.6	164.9	164.9	165.7	0.8
CL	219,902	2,065/515	28,420	1.6	165.7	165.7	166.5	0.8
CM	221,841	3,553/1,385	39,235	1.1	166.6	166.6	167.4	0.8
CN	225,153	3,735/40	47,605	0.9	167.2	167.2	168.0	0.8
CO	228,588	2,385/1,025	31,984	1.4	168.3	168.3	168.9	0.6
CP	230,695	3,122/1,925	39,179	0.7	169.0	169.0	169.9	0.9
CQ	233,292	2,410/680	23,277	1.1	169.3	169.3	170.0	0.7
CR	234,735	1,672/42	14,563	1.8	170.1	170.1	170.9	0.8
CS	236,548	1,249/305	13,843	1.9	172.0	172.0	172.6	0.6
CT	237,862	1,200/200	15,708	1.7	172.9	172.9	173.6	0.7
CU	239,260	1,080/160	13,173	2.0	174.1	174.1	174.7	0.6
CV	242,216	1,320/1150	14,540	1.8	175.9	175.9	176.8	0.9
CW	243,423	1,290/136	14,148	1.9	177.2	177.2	178.2	1.0
CX	246,747	1,255/835	16,852	1.6	179.0	179.0	179.9	0.9
CY	249,517	1,440/565	21,186	1.2	179.8	179.8	180.7	0.9
CZ	252,296	1,535/175	14,960	1.8	181.7	181.7	182.3	0.6

¹ Stream distance in feet above confluence with West Fork San Jacinto River

² Width/width within county boundary

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET) ²	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Spring Creek (continued)								
DA	253,257	1,215/65	11,509	2.3	182.8	182.8	183.3	0.5
DB	253,916	976/376	12,611	2.1	183.8	183.8	184.3	0.5
DC	255,371	861/568	13,208	2.0	185.2	185.2	185.9	0.7
DD	258,010	1,151/554	16,805	1.6	186.6	186.6	187.4	0.8
DE	259,564	458/40	7,453	1.5	187.5	187.5	188.4	0.9
DF	260,537	506/441	7,779	1.5	187.9	187.9	188.8	0.9
DG	262,727	784/487	10,373	1.1	189.0	189.0	189.9	0.9
DH	265,026	1,046/48	11,037	1.0	189.4	189.4	190.3	0.9
DI	265,776	930/485	10,618	1.0	189.6	189.6	190.5	0.9
DJ	268,444	810/69	9,048	1.2	190.7	190.7	191.6	0.9
DK	270,265	1,016/566	9,246	1.2	191.7	191.7	192.5	0.8
DL	273,050	546/165	5,367	2.0	194.5	194.5	195.4	0.9
DM	276,574	1,540/1,110	10,330	1.0	196.9	196.9	197.8	0.9
DN	278,974	1,295/500	8,515	1.2	197.9	197.9	198.8	0.9
DO	280,415	940/240	6,598	1.5	199.7	199.7	200.5	0.8
DP	281,326	1,350/350	7,696	1.3	200.3	200.3	201.3	1.0
DQ	283,057	575/135	4,249	2.4	201.5	201.5	202.3	0.8

¹ Stream distance in feet above confluence with West Fork San Jacinto River

² Total width/width within county boundary

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Stewarts Creek								
A	2,971	411	4,466	1.00	123.9	123.9	124.9	1.0
B	3,071	411	4,100	1.09	124.0	124.0	125.0	1.0
C	4,045	625	5,632	0.79	124.1	124.1	125.1	1.0
D	4,145	663	5,666	0.79	124.2	124.2	125.2	1.0
E ¹	9,555	230	1,280	3.49	130.4	130.4	131.4	1.0
F	9,655	259	1,482	3.01	131.1	131.1	132.1	1.0
G	11,488	176	1,537	2.90	134.4	134.4	135.4	1.0
H	18,594	334	2,106	2.10	147.8	147.8	148.8	1.0
I	22,094	193	1,625	2.66	153.3	153.3	154.3	1.0
J	24,360	133	1,006	4.28	158.8	158.8	159.3	0.5
K	24,460	126	1,063	4.05	159.2	159.2	160.2	1.0
L	26,780	360	2,638	3.00	168.6	168.6	169.5	0.9
M	28,900	300	2,427	3.30	170.8	170.8	171.5	0.7
N	30,550	420	3,352	2.2	173.5	173.5	174.2	0.7
O	31,463	500	3,218	2.30	174.8	174.8	175.6	0.8
P	33,142	150	1,033	7.20	176.8	176.8	177.8	1.0
Q	33,380	410	3,599	2.10	179.2	179.2	180.0	0.8
R	35,280	350	3,113	2.30	180.3	180.3	181.1	0.8
S	35,950	330	2,538	2.80	182.2	182.2	182.8	0.6
T	37,020	210	1,491	4.80	183.8	183.8	184.4	0.6
U	38,050	400	3,468	2.10	187.3	187.3	188.3	1.0
V	39,201	221	1,525	2.54	189.5	189.5	190.5	1.0
W	43,263	343	1,854	2.05	195.2	195.2	196.2	1.0
X	43,463	519	2,968	1.28	196.4	196.4	197.4	1.0
Y	45,422	233	1,807	1.91	199.2	199.2	200.2	1.0
Z	49,460	492	1,895	1.71	207.2	207.2	208.1	0.9

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

STEWARTS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Stewarts Creek (cont'd)								
AA	52,603	219	1,183	2.3	216.4	216.4	217.4	1.0
AB	53,653	295	1,701	1.6	219.6	219.6	220.6	1.0
AC	59,007	335	1,650	1.5	230.7	230.7	231.7	1.0
AD	63,115	348	1,090	2.2	241.7	241.7	242.7	1.0
AE ¹	66,080	175	1,248	1.8	258.1	258.1	258.6	0.5
AF	66,205	248	1,863	1.2	258.3	258.3	259.3	1.0
AG	68,823	134	776	2.8	264.3	264.3	265.3	1.0
AH	69,073	226	1,390	1.6	266.6	266.6	267.6	1.0
AI	69,373	220	569	3.8	270.1	270.1	271.1	1.0
AJ	72,466	75	435	4.7	277.5	277.5	278.5	1.0
AK	72,616	162	971	2.1	280.4	280.4	281.4	1.0
AL ¹	76,345	95	521	3.6	292.1	292.1	292.6	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

STEWARTS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Stewart Creek North								
A	5,708	368	1,925	1.87	204.2	204.2	205.2	1.0
B	5,908	431	3,077	1.17	204.9	204.9	205.9	1.0
C	8,376	428	2,245	1.62	213.2	213.2	214.2	1.0
D	11,472	66	617	5.54	219.9	219.9	220.9	1.0
E ¹	14,758	92	575	4.61	228.3	228.3	228.8	0.5
F ¹	14,908	147	794	3.34	229.2	229.2	229.7	0.5
G	18,749	57	372	5.45	243.5	243.5	244.5	1.0
H ¹	22,177	33	109	3.77	266.9	266.9	267.4	0.5
I	22,277	143	948	0.43	273.8	273.8	274.8	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

STEWART CREEK NORTH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Stewarts Creek Tributary No. 1								
A ¹	1,913	75	342	2.7	211.7	211.7	212.2	0.5
B	2,013	358	3,611	0.3	221.3	221.3	222.3	1.0
C	3,890	282	1,277	0.7	222.1	222.1	223.1	1.0
D	6,377	102	321	-2.7	228.8	228.8	229.8	1.0
E	6,477	81	245	3.5	229.2	229.2	230.2	1.0
F ¹	10,262	45	191	3.9	243.1	243.1	243.6	0.5
G	12,764	100	269	1.9	252.8	252.8	253.8	1.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

STEWARTS CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ³	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Sulphur Branch								
A	1,096	189	1,784	1.0	179.4	179.4	180.4	1.0
B	1,196	240 ⁴	2,059	0.9	179.4	179.4	180.4	1.0
C	2,750	165	1,401	1.2	180.1	180.1	181.1	1.0
D ¹	5,509	152	1,182	1.4	186.7	186.7	187.7	1.0
E ¹	8,172	80	680	2.6	192.3	192.3	193.3	1.0
F	11,513	38	403	4.3	196.7	196.7	197.7	1.0
G	14,300	31	339	4.7	202.3	202.3	203.3	1.0
H	17,872	63	477	3.0	213.2	213.2	214.2	1.0
I	20,618	111	690	1.9	218.6	218.6	219.6	1.0
J	20,718	92	461	2.8	219.3	219.3	220.3	1.0
K	22,666	37	286	4.1	223.0	223.0	224.0	1.0
L	22,761	95	602	2.0	223.5	223.5	224.5	1.0
M	24,822	74	389	2.5	229.9	229.9	230.9	1.0
N ²	27,077	55	258	2.8	237.4	237.4	237.9	0.5
O	30,670	50	261	2.3	249.5	249.5	250.5	1.0
P	31,673	226	1,170	0.4	254.4	254.4	255.4	1.0
Q	31,758	1,252	10,930	0.1	259.6	259.6	260.6	1.0
R	31,828	1,152	7,997	0.1	259.6	259.6	260.6	1.0
S	33,697	166	372	0.9	261.0	261.0	262.0	1.0
T	33,777	57	143	2.4	261.1	261.1	262.1	1.0
U	35,916	16	54	3.0	264.5	264.5	265.5	1.0

¹ Cross section not shown on map; lies outside county limits

² The 1-percent-annual-chance storm discharge is contained within the top of the existing channel at this depth

³ Feet above mouth

⁴ Floodway width extends beyond county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

SULPHUR BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Threemile Creek A	4,309	716	5,965	1.4	210.5	210.5	211.5	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

THREEMILE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Town Creek								
A	4,283	85	1,394	3.3	210.9	210.9	211.6	0.7
B	7,677	123	1,110	4.5	233.8	233.8	234.5	0.7
C	9,882	156	1,290	3.3	240.3	240.3	241.3	1.0
D	9,984	265	1,764	2.4	241.8	241.8	242.8	1.0
E	11,933	468	2,360	1.8	243.1	243.1	244.1	1.0
F	15,768	288	1,244	2.6	250.9	250.9	251.9	1.0
G	19,218	111	490	3.1	263.6	263.6	264.6	1.0
H	22,483	95	329	2.0	281.3	281.3	282.3	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

TOWN CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Town Creek Tributary No.1								
A	1,990	60	116	8.4	242.2	242.2	243.2	0.0
B	2,064	224	795	1.3	243.8	243.8	244.8	1.0
C	3,138	343	646	1.5	246.8	246.8	247.8	1.0
D	3,198	351	1,134	0.8	249.0	249.0	250.0	1.0
E	5,253	101	439	2.1	261.2	261.2	262.2	1.0
F	7,015	78	437	1.8	268.9	268.9	269.9	1.0
G	7,226	170	1,304	0.6	272.8	272.8	273.8	1.0
H	10,530	81	293	1.7	289.1	289.1	290.1	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

TOWN CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Town Creek Tributary No. 2								
A	1,938	79	359	3.9	251.3	251.3	252.3	1.0
B ¹	4,734	85	322	2.1	265.5	265.5	266.0	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

TOWN CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Walnut Creek								
A	2,956	976	15,308	0.7	170.1	170.1	171.1	1.0
B	4,402	1,293	14,640	0.7	170.1	170.1	171.1	1.0
C	4,502	1,644	17,786	0.6	170.3	170.3	171.3	1.0
D	7,124	1,719	21,369	0.5	170.5	170.5	171.5	1.0
E	12,343	945	7,424	1.4	173.6	173.6	174.6	1.0
F	14,750	629	5,544	1.9	176.1	176.1	177.1	1.0
G	14,850	565	5,177	2.0	176.3	176.3	177.3	1.0
H	17,351	1,211	9,708	1.1	177.7	177.7	178.7	1.0
I	18,512	837	5,891	1.7	178.7	178.7	179.7	1.0
J	18,612	848	6,638	1.5	179.0	179.0	180.0	1.0
K	20,185	1,259	10,073	1.0	179.8	179.8	180.8	1.0
L	22,613	655	5,954	1.7	181.9	181.9	182.9	1.0
M	26,962	619	5,066	2.0	187.1	187.1	188.1	1.0
N	30,481	697	6,085	1.7	189.8	189.8	190.8	1.0
O	32,413	639	5,278	1.7	191.9	191.9	192.9	1.0
P	35,199	660	5,759	1.6	194.2	194.2	195.2	1.0
Q	38,004	659	5,533	1.6	197.1	197.1	198.1	1.0
R	38,079	1,145	10,646	0.8	197.4	197.4	198.4	1.0
S	38,938	976	7,678	1.2	197.9	197.9	198.9	1.0
T	43,580	924	7,984	1.1	200.4	200.4	201.4	1.0
U	47,607	424	4,369	2.1	204.6	204.6	205.6	1.0
V	51,016	421	4,901	1.9	208.1	208.1	209.1	1.0
W	57,669	378	4,795	1.9	214.5	214.5	215.5	1.0
X	60,881	288	4,326	2.1	217.7	217.7	218.7	1.0
Y	65,893	824	8,724	1.1	219.9	219.9	220.9	1.0
Z	70,169	739 ²	6,828	1.4	223.4	223.4	224.4	1.0

¹ Feet above mouth

² Floodway width extends beyond county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WALNUT CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Walnut Creek Tributary No.1								
A	2,958	77	601	1.5	184.3	184.3	185.3	1.0
B	3,058	168	1,102	0.8	185.8	185.8	186.8	1.0
C	6,143	71	292	1.8	194.6	194.6	195.6	1.0
D	8,124	55	272	1.8	205.3	205.3	206.3	1.0
E ¹	9,953	32	165	2.4	213.4	213.4	213.6	0.2

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WALNUT CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Waterhole Branch								
A	1,823	495	4,994	0.8	102.3	102.3	103.3	1.0
B	3,040	321	2,996	1.2	102.8	102.8	103.8	1.0
C	3,350	401	3,571	1.0	103.1	103.1	104.1	1.0
D	5,220	201	1,760	2.1	104.8	104.8	105.8	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WATERHOLE BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Weirs Creek								
A	18,973	799	4,626	1.6	206.7	206.7	207.7	1.0
B	22,005	1,060	5,181	1.3	210.5	210.5	211.5	1.0
C	27,385	700	2,461	2.7	219.6	219.6	220.6	1.0
D	27,935	702	2,343	2.8	221.3	221.3	222.3	1.0
E	31,124	518	1,776	2.9	228.4	228.4	229.4	1.0
F	32,195	288	965	3.1	230.4	230.4	231.4	1.0
G	35,561	258	847	3.3	244.5	244.5	245.5	1.0
H	39,997	96	618	4.3	258.4	258.4	259.4	1.0
I	41,941	86	463	4.8	263.9	263.9	264.9	1.0
J	42,091	149	1,100	2.0	266.2	266.2	267.2	1.0
K	42,456	344	3,827	0.6	273.0	273.0	274.0	1.0
L	43,499	219	2,380	0.9	273.2	273.2	274.2	1.0
M	43,649	183	1,597	1.4	273.4	273.4	274.4	1.0

¹ Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEIRS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Weirs Creek Tributary No. 1								
A	1,547	241	744	3.1	233.5	233.5	234.5	1.0
B ¹	7,368	33	204	4.4	261.2	261.2	261.2	0.0
C ¹	9,141	109	177	3.9	273.7	273.7	273.7	0.0
D ¹	9,741	78	93	7.3	279.5	279.5	279.5	0.0
E ¹	11,196	130	46	3.0	294.6	294.6	294.6	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEIRS CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Branch Alligator Creek								
A	1,350	83	632	3.6	184.5	184.5	184.7	0.2
B	2,550	80	500	1.5	187.2	187.2	187.8	0.6
C	3,840	28	288	2.5	192.1	192.1	192.9	0.8
D	5,260	67	221	2.6	198.2	198.2	198.5	0.3
E	6,670	17	76	4.6	206.4	206.4	207.2	0.8
F	7,620	20	73	3.8	211.9	211.9	212.9	1.0

¹ Feet above confluence with Alligator Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST BRANCH ALLIGATOR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Fork of Crystal Creek								
A	734	151	1,360	1.8	143.8	143.8	144.8	1.0
B	934	157	1,294	1.9	144.0	144.0	145.0	1.0
C	4,425	110	913	2.7	148.7	148.7	149.7	1.0
D ¹	8,702	111	756	3.1	155.3	155.3	155.8	0.5
E	8,802	186	1,280	1.9	155.8	155.8	156.8	1.0
F ¹	10,652	116	772	3.1	158.8	158.8	159.3	0.5
G	13,266	89	640	3.7	163.6	163.6	164.6	1.0
H	21,079	113	667	2.9	176.2	176.2	177.2	1.0
I	23,784	256	1,048	1.5	180.5	180.5	181.5	1.0
J	24,904	253	1,006	1.6	182.9	182.9	183.9	1.0
K	25,004	195	941	1.7	183.3	183.3	184.3	1.0
L	26,313	115	556	2.8	186.6	186.6	187.6	1.0
M	27,604	109	561	2.7	189.6	189.6	190.6	1.0
N	27,704	251	1,300	1.2	190.8	190.8	191.8	1.0
O ¹	30,829	110	515	2.8	195.9	195.9	196.4	0.5
P	30,929	72	466	3.1	196.6	196.6	197.6	1.0
Q ¹	34,030	71	416	3.4	202.7	202.7	203.2	0.5

¹ The 1-percent-annual-chance storm discharge contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST FORK OF CRYSTAL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Fork of San Jacinto River								
A ¹	0	3,762	68,648	2.4	66.0	66.0	67.0	1.0
B	1,954	3,965 / 2,339 ³	67,573	2.5	66.4	66.4	67.4	1.0
C	7,656	3,740	60,766	1.6	68.5	68.5	69.5	1.0
D	14,203	3,813	50,235	2.0	71.3	71.3	72.3	1.0
E	19,800	3,755	56,877	1.7	72.2	72.2	73.2	1.0
F	24,182	2,626	43,199	2.3	73.5	73.5	74.5	1.0
G	29,938	3,761	49,975	2.0	77.2	77.2	78.2	1.0
H	38,069	3,534	41,091	2.4	79.6	79.6	80.6	1.0
I	40,814	1,732	27,926	3.5	81.4	81.4	82.4	1.0
J	52,272	2,306	30,045	3.3	87.7	87.7	88.7	1.0
K	57,024	4,227	47,871	2.1	89.8	89.8	90.8	1.0
L	65,208	5,986	73,455	1.4	91.3	91.3	92.3	1.0
M	71,016	4,032	43,772	2.3	94.9	94.9	95.9	1.0
N	74,448	3,779	48,709	2.0	96.4	96.4	97.4	1.0
O	79,992	4,104	47,298	2.1	98.6	98.6	99.6	1.0
P	86,170	2,986	39,258	2.5	102.2	102.2	103.2	1.0
Q	91,872	5,658	58,184	1.7	104.7	104.7	105.7	1.0
R	97,944	3,597	47,054	2.1	107.9	107.9	108.9	1.0
S	102,696	5,213	58,528	1.7	109.6	109.6	110.6	1.0
T	109,560	4,520	53,787	1.8	112.6	112.6	113.6	1.0
U	115,738	4,637	56,630	1.7	115.1	115.1	116.1	1.0
V	116,688	5,484	65,117	1.5	115.4	115.4	116.4	1.0
W	121,176	6,084	61,834	1.6	117.4	117.4	118.4	1.0

¹ Cross section outside county limits, not shown on map

³ Total width / width within Montgomery County

² Feet above county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST FORK OF SAN JACINTO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Fork of San Jacinto River (continued)								
X	127,248	4,300	56,958	1.7	119.3	119.3	120.3	1.0
Y	132,370	5,877	60,319	1.6	121.2	121.2	122.2	1.0
Z	138,389	3,921	52,898	1.9	123.6	123.6	124.6	1.0
AA	140,554	4,596	57,831	1.7	124.4	124.4	125.4	1.0
AB	140,818	4,225	58,115	1.7	125.5	125.5	126.5	1.0
AC	140,923	4,855	65,763	1.5	125.8	125.8	126.8	1.0
AD	141,082	4,790	67,985	1.4	126.4	126.4	127.4	1.0
AE	142,824	4,907	70,193	1.4	126.8	126.8	127.8	1.0
AF	147,048	6,666	76,533	1.3	128.1	128.1	129.1	1.0
AG	152,064	5,592	76,869	1.3	129.3	129.3	130.3	1.0
AH	157,608	5,757	75,375	1.3	130.8	130.8	131.8	1.0
AI	159,720	4,535	53,617	1.8	131.9	131.9	132.9	1.0
AJ	162,888	4,402	52,160	1.9	133.6	133.6	134.6	1.0
AK	167,482	4,404	45,647	1.8	137.2	137.2	138.2	1.0
AL	173,237	4,735	52,914	1.6	139.2	139.2	140.2	1.0
AM	177,672	4,878	53,737	1.9	141.9	141.9	142.9	1.0
AN	184,114	4,110	43,050	2.0	145.3	145.3	146.3	1.0
AO	185,381	4,248	45,851	1.8	146.1	146.1	147.1	1.0
AP	185,539	4,267	43,723	1.9	146.7	146.7	147.7	1.0
AQ	185,645	4,880	62,185	1.4	148.5	148.5	149.5	1.0
AR	189,288	5,219	49,574	1.7	150.1	150.1	151.1	1.0
AS	195,941	4,533	60,825	1.4	151.4	151.4	152.4	1.0
AT	199,637	4,058	47,430	1.8	153.6	153.6	154.6	1.0

¹ Feet above county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST FORK OF SAN JACINTO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Fork of San Jacinto River (continued)								
AU	203,650	2,573	36,365	2.3	156.0	156.0	157.0	1.0
AV	206,606	1,764	29,873	2.8	157.7	157.7	158.7	1.0
AW	206,712	1,753	30,800	2.7	158.2	158.2	159.2	1.0
AX	214,210	2,095	35,862	2.3	161.6	161.6	162.6	1.0
AY	218,856	1,968	36,715	2.3	165.2	165.2	166.2	1.0
AZ	222,869	3,677	74,230	1.1	165.5	165.5	166.5	1.0

¹ Feet above county limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST FORK OF SAN JACINTO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
White Oak Creek								
A	0	653	4,822	1.62	65.2	65.2	66.2	1.0
B	3,300	473	4,162	1.85	69.2	69.2	70.2	1.0
C	7,400	823	7,163	1.03	71.4	71.4	72.4	1.0
D	10,200	714	5,236	1.39	74.0	74.0	75.0	1.0
E	13,300	724	5,193	1.37	77.0	77.0	78.0	1.0
F	16,000	851	5,450	1.26	79.8	79.8	80.8	1.0
G	18,600	753	5,144	1.30	82.2	82.2	83.2	1.0
H	21,800	618	3,882	1.64	86.4	86.4	87.4	1.0
I	22,110	720	6,650	0.95	87.9	87.9	88.9	1.0
J	23,340	764	5,725	1.07	88.7	88.7	89.7	1.0
K	24,780	922	5,943	1.02	89.7	89.7	90.7	1.0
L	25,130	1,150	9,716	1.14	91.8	91.8	92.8	1.0
M	27,650	665	5,729	2.26	92.5	92.5	93.4	0.9
N	31,610	800	5,335	2.36	94.9	94.9	95.6	0.7
O	34,810	475	3,022	4.00	98.4	98.4	99.0	0.6
P	36,710	500	3,377	3.12	101.2	101.2	102.1	0.9
Q	38,620	460	3,584	1.46	103.5	103.5	104.5	1.0
R	42,070	673	4,544	1.10	106.5	106.5	107.5	1.0
S	45,200	883	4,603	1.04	108.4	108.4	109.4	1.0
T	46,900	403	2,900	1.53	111.4	111.4	112.4	1.0
U	49,250	325	2,606	1.67	115.2	115.2	116.2	1.0
V	54,300	2,356	8,486	0.49	116.9	116.9	117.9	1.0
W	62,560	776	3,757	1.06	124.1	124.1	125.1	1.0

¹ Feet above county boundary

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WHITE OAK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
White Oak Creek (continued)								
X	65,956	302	1,022	0.6	125.2	125.2	126.2	1.0
Y	67,282	440	1,106	0.5	125.8	125.8	126.8	1.0
Z	68,279	143	472	1.2	127.3	127.3	128.3	1.0
AA	68,943	691	2,958	0.2	129.1	129.1	130.1	1.0

¹ Feet above county boundary

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WHITE OAK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
White Oak Creek - West								
A	8,860	300	552	3.3	106.0	106.0	106.0	0.0
B	14,148	464	854	1.9	114.3	114.3	115.2	0.9
C	16,671	96	285	2.6	115.8	115.8	116.1	0.3

¹ Feet above confluence with West Fork San Jacinto River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WHITE OAK CREEK - WEST

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
White Oak Creek- North								
A	2,040	224	2,962	1.0	149.3	149.3	150.3	1.0
B	2,140	236	3,004	1.0	149.3	149.3	150.3	1.0
C	3,684	174	1,700	1.8	150.5	150.5	151.5	1.0
D ¹	5,512	212	753	4.2	154.7	154.7	154.7	0.0
E ¹	5,712	195	693	4.5	155.2	155.2	155.2	0.0
F	8,752	49	493	6.5	166.4	166.4	167.4	1.0
G	8,852	144	1,069	3.0	167.0	167.0	168.0	1.0
H	11,924	202	1,082	2.8	179.3	179.3	180.3	1.0
I	14,280	149	941	3.1	187.5	187.5	188.5	1.0
J ¹	17,660	43	198	4.1	202.4	202.4	202.9	0.5
K ¹	17,760	71	228	3.5	202.9	202.9	202.9	0.0
L ¹	20,139	51	201	3.5	216.2	216.2	216.7	0.5
M ¹	23,417	130	111	4.1	240.2	240.2	240.2	0.0
N	23,525	40	367	1.7	257.2	257.2	257.5	0.3
O	23,652	105	755	0.9	257.2	257.2	257.5	0.3
P	24,059	79	330	2.2	257.3	257.3	257.6	0.3
Q	24,428	65	190	2.7	257.9	257.9	258.1	0.2
R ¹	24,841	14	32	8.7	259.6	259.6	259.6	0.0

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WHITE OAK CREEK - NORTH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
White Oak Creek West Tributary No. 1								
A	280	28	58	2.0	114.6	114.5 ²	115.5	1.0
B	650	52	104	0.8	114.6	114.6	115.6	1.0
C	2,620	62	103	0.5	115.4	115.4	116.4	1.0
D	3,400	100	185	0.2	115.4	115.4	116.1	0.7
E	4,850	128	376	0.6	117.4	117.4	118.4	1.0
F	6,450	215	367	0.8	122.1	122.1	123.1	1.0
G	6,650	60	87	1.0	123.5	123.5	124.2	0.7

¹ Feet above confluence with White Oak Creek - West

² Elevation computed without consideration of backwater from White Oak Creek - West

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WHITE OAK CREEK - WEST TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Fork of Spring Branch								
A	3,462	359	2,177	2.0	137.8	137.8	138.8	1.0
B	7,689	606	2,884	1.5	140.5	140.5	141.5	1.0
C	14,905	731	3,155	1.0	146.1	146.1	147.1	1.0
D	20,456	914	2,902	1.0	155.4	155.4	156.4	1.0
E	25,614	765	2,233	1.3	166.1	166.1	167.1	1.0
F	25,714	943	6,320	0.5	170.5	170.5	171.5	1.0
G	31,518	263	1,282	1.9	176.5	176.5	177.5	1.0
H	31,618	197	1,262	1.9	176.7	176.7	177.7	1.0
I	34,934	480	1,721	1.3	180.1	180.1	181.1	1.0
J	35,159	413	2,353	1.0	182.6	182.6	183.6	1.0
K	38,561	327	1,024	2.1	189.0	189.0	190.0	1.0
L ¹	41,021	450	1,018	1.9	194.9	194.9	195.4	0.5
M	41,096	380	1,409	1.4	195.0	195.0	196.0	1.0
N ¹	41,271	140	596	3.3	195.4	195.4	196.0	0.6
O	45,059	163	681	2.7	204.5	204.5	205.5	1.0
P	46,250	280	904	2.0	207.7	207.7	208.2	0.5
Q	46,300	155	768	2.3	207.7	207.7	208.7	1.0
R	46,350	100	459	3.9	207.8	207.8	208.8	1.0
S	47,900	903	2,313	0.8	208.7	208.7	209.7	1.0
T	48,000	398	1,492	1.2	208.7	208.7	209.7	1.0
U ¹	49,950	242	604	2.9	217.1	217.1	217.6	0.5
V ¹	50,000	225	613	2.8	217.3	217.3	217.8	0.5
W ¹	50,050	272	484	3.6	218.3	218.3	218.8	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST FORK OF SPRING BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Fork of Spring Branch (continued)								
X ¹	54,540	121	432	2.9	231.3	231.3	231.8	0.5
Y	54,665	160	670	1.9	231.9	231.9	232.9	1.0
Z	57,267	86	257	3.6	239.3	239.3	240.3	1.0
AA	59,505	32	116	5.0	248.4	248.4	249.3	1.0
AB	59,605	73	290	2.0	249.3	249.3	250.3	1.0
AC	60,880	33	140	3.4	254.1	254.1	255.1	1.0
AD ¹	62,089	62	122	2.2	263.7	263.7	264.2	0.5

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST FORK OF SPRING BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
West Fork West Branch Alligator Creek								
A	415	108	422	2.2	184.8	184.8	185.0	0.2
B	1,550	78	308	2.6	190.3	190.3	191.2	0.9
C	2,480	61	140	3.9	196.0	196.0	196.9	0.9
D	3,640	13	62	5.6	198.9	198.9	199.5	0.6
E	4,010	18	117	2.9	203.0	203.0	203.8	0.8
F	4,790	13	59	5.8	207.4	207.4	208.0	0.6
G	6,210	13	44	3.9	217.8	217.8	218.1	0.3

¹ Feet above confluence with West Branch Alligator Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WEST FORK, WEST BRANCH ALLIGATOR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Woodsons Gully								
A	6,930	731	4,162	0.9	81.2	81.2	82.2	1.0
B	9,842	767	2,597	1.5	86.1	86.1	87.1	1.0
C ¹	17,952	483	1,016	2.6	91.3	91.3	91.8	0.5
D	31,405	111	543	3.4	101.4	101.4	102.2	0.8
E	31,490	240	966	1.9	102.0	102.0	102.8	0.8
F ¹	35,910	340	777	1.0	103.3	103.3	103.7	0.4
G	41,455	200	207	2.5	107.0	107.0	107.4	0.4
H ¹	45,710	313	525	0.5	109.8	109.8	110.4	0.6

¹ The 1-percent-annual-chance storm discharge is contained within the top width of the existing channel at this depth

² Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TEXAS
AND INCORPORATED AREAS

FLOODWAY DATA

WOODSONS GULLY

Riverine Flooding

Subsidence within inland watersheds has little or no effect on flood depths when TABLE the entire watershed, including all hydraulic structures, subsides uniformly. However, differential subsidence (the presence of differing amounts of subsidence within a watershed) can cause changes in stream-channel slope and stream-valley geometry, which can result in changes in flood depths. Where stream-channel slopes are steepened (where there is more subsidence downstream than upstream), flood discharges usually increase and hydraulic efficiency, as measured by the amount of discharge for a given flood depth, increases. In this situation, the depth of flow usually decreases. The opposite is generally true where stream channel slopes are flattened.

Other effects of land subsidence can include changes in cross-section floodplain geometry and changes in drainage-basin boundaries. Changes in cross-section geometry can affect conveyance, overbank storage, and flow diversions and result in localized changes in flood hazards. Changes in drainage basin boundaries affect the size of the drainage area and can result in changes in discharges and flood depths in the altered basins.

Southern portions of Montgomery County are affected by relatively wide-scale, uniform subsidence with minor differential subsidence within individual watersheds. Flood depths remain relatively constant and BFEs generally subside as the ground subsides (see Figure 10). The local effects of subsidence may be adequately addressed, in the short term, by assuming that BFEs subside by the same amount the ground subsides. For floodplain management (setting lowest-floor elevations and regulating construction in the floodplain) and flood insurance (determining the amount the lowest floor of a structure lies above or below the BFE) purposes, the effects of subsidence can be accounted for by *determining ground and structure elevations using benchmark elevations with the same relevel date as the benchmarks used to develop the BFEs on the FIRM*. No adjustment is necessary to the BFEs on the FIRM.

The locations NGS benchmarks are provided on the FIRM to assist in determining ground and structure elevations. Generally, the benchmarks closest to a flood-prone area are compatible for use with the BFEs on the FIRM. However, this may not be the case where two floodplains are within close proximity of each other and the BFEs for each flooding source are based on different relevelings. Other benchmarks of third-order accuracy or higher not shown on the FIRM may be used provided the relevel date of the benchmark is the same as the relevel date associated with the BFEs. The local city or county engineering or permitting department should be contacted to verify the compatibility of benchmark elevations for use with the BFEs on the FIRM. (Note: More recent relevelings of benchmarks may be used with the BFEs on the FIRM; however, this may result in: 1) an underestimation of the amount a structure or property is above the BFE, 2) an overestimation of the amount a structure is below the BFE, or 3) problems tying in a revised hydraulic analysis to the FIS profile upstream and downstream of the revised reach.)

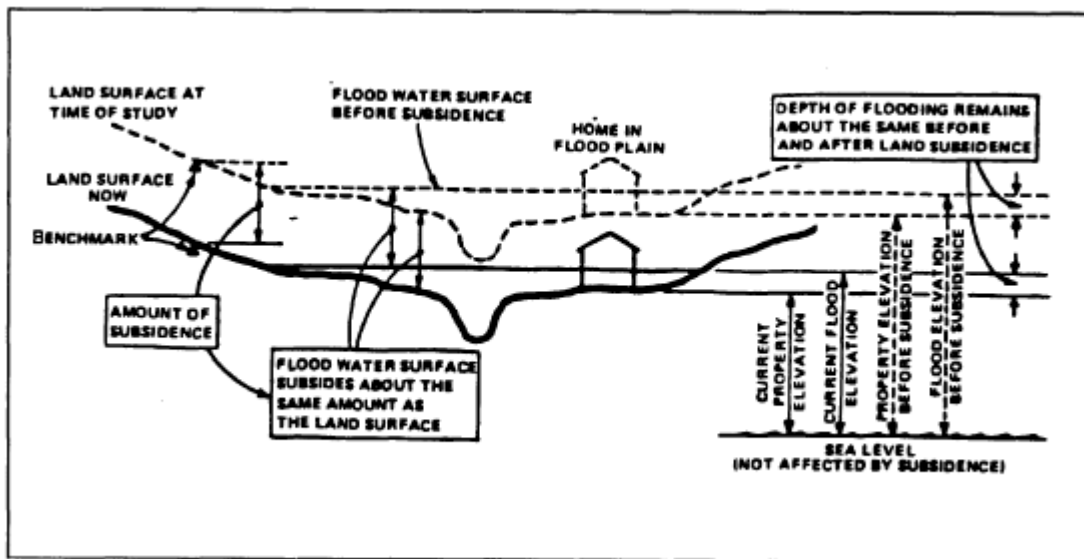


Figure 10 – Land Subsidence Schematic - Riverine Flooding

When reviewing development permit applications for new construction in areas subject to ongoing subsidence, and using the benchmark elevations on the FIRM or other benchmarks with the same relevel date as the BFEs, consideration should be given to setting the lowest-floor elevation above the BFE by an amount associated with potential increases in flood depths as a result of past and future subsidence. In the absence of site-specific engineering data, elevating a structure by an additional 0.5 foot above the BFE is recommended at this time. This recommendation is based on information on potential increases in flood depths due to worst-case scenarios of predicted future differential subsidence as discussed in the report entitled "A Study of the Relationship Between Subsidence and Flooding" (HCFCD, et al., December 1986). Alternatively, the elevations of more recent releveling of benchmarks, including the 1987 releveling, could be used for ground surveying in setting lowest-floor elevations with the BFEs shown on the FIRM.

In watersheds where minor differential subsidence can be considered negligible in the short term, greater differentials in subsidence may occur over time and uniform subsidence assumptions may no longer be appropriate. Additionally, local conditions may produce changes in ground elevations that cannot always be predicted. As a result, more uncertainty is introduced with respect to potential changes in flood depth. The useful life of a FIS is limited and the FIS must eventually be updated. When an entire watershed, or large portion of a watershed, are restudied and the effects of differential subsidence may be significant, it may be appropriate to relevel benchmark elevations at that time, or use the most recently relevelled benchmark elevations. The new or more recent benchmark elevations should be used for developing new topography and new cross-section data for hydrologic and hydraulic models.

Information regarding the location and amount of subsidence is available from the HGCSO in Friendswood, Texas, and the Fort Bend Subsidence District in Richmond, Texas. Subsidence information is available for periods of record including 1906-1943, 1943-1964, 1964-1973, 1973-1978, 1978-1987, and 1987-1995. In areas affected by subsidence, benchmarks that have been installed with the foundation of the benchmark deep in the ground on a non-subsiding subterranean layer may provide stable benchmark elevations even though the surrounding ground is subsiding. Several of these types of benchmarks, referred to as "extensometers," are located within Harris County and Incorporated Areas. Information concerning the location and stability of these benchmarks may be obtained from the H-GCSO.

FEMA Form 81-31 (July 2012), "Elevation Certificate and Instructions," is used to provide elevation information necessary to ensure compliance with applicable community floodplain management ordinances, to determine the proper insurance premium rate, and to support a request for a FEMA Letter of Map Change. The instructions for completing Item C2, of the Elevation Certificate and Instructions in part state: "In areas experiencing ground subsidence, the most recently adjusted reference mark elevations must be used for reference level elevation determinations." The information in this report supersedes the instructions for Item C2, of the Elevation Certificate and Instructions for Montgomery County and Incorporated Areas.

5.0 INSURANCE APPLICATION

For flood insurance rating purposes, flood insurance zone designations are assigned to a community based on the results of the engineering analyses. These zones are as follows:

Zone A

Zone A is the flood insurance rate zone that corresponds to the 1-percent-annual-chance floodplains that are determined in the FIS by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no BFEs or depths are shown within this zone.

Zone AE

Zone AE is the flood insurance rate zone that corresponds to the 1-percent-annual-chance floodplains that are determined in the FIS by detailed methods. Whole-foot BFEs derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone X

Zone X is the flood insurance rate zone that corresponds to areas outside the 0.2-percent-annual-chance floodplain, areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent annual chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by levees. No BFEs or depths are shown within this zone.

6.0 FLOOD INSURANCE RATE MAP

The FIRM is designed for flood insurance and floodplain management applications.

For flood insurance applications, the map designates flood insurance rate zones as described in Section 5.0 and, in the 1-percent-annual-chance floodplains that were studied by detailed methods, shows selected whole-foot BFEs or average depths. Insurance agents use the zones and BFEs in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

For floodplain management applications, the map shows by tints, screens, and symbols, the 1- and 0.2-percent-annual-chance floodplains, floodways, and the locations of selected cross sections used in the hydraulic analyses and floodway computations.

The countywide FIRM presents flooding information for the entire geographic area of Montgomery County. Previously, FIRMs were prepared for each incorporated community and the unincorporated areas of the county identified as flood prone. This countywide FIRM also includes flood-hazard information that was presented separately on Flood Boundary and Floodway Maps, where applicable. Historical data relating to the maps prepared for each community are presented in Table 6, "Community Map History."

7.0 OTHER STUDIES

This study revises and updates the previous FIS and FIRMs for Montgomery County and incorporated communities (Reference 4).

Countywide Flood Insurance Studies have been recently published for the Incorporated and Unincorporated Areas of Grimes, Harris, Liberty, San Jacinto, Walker and Waller Counties, Texas. This Montgomery County study is in agreement with those studies.

Spring Creek Watershed was analyzed as part of the Harris County 2007 FIS Study. This study results were incorporated into the Montgomery County FIS study.

This FIS report either supersedes or is compatible with all previous studies published on streams studied in this report and should be considered authoritative for the purposes of the NFIP.

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISION DATE	FLOOD INSURANCE RATE MAP EFFECTIVE DATE	FLOOD INSURANCE RATE MAP REVISION DATE
<p>Montgomery County (Unincorporated Areas)</p> <p>Conroe, City of</p> <p>Cut and Shoot, City of Houston, City of</p> <p>Magnolia, City of Montgomery, City of</p>	<p>April 25, 1978</p> <p>June 14, 1974</p> <p>June 3, 1977 December 27, 1974</p> <p>May 17, 1977 November 26, 1976</p>	<p>March 25, 1980</p> <p>May 21, 1976</p> <p>None None</p> <p>None None</p>	<p>August 1, 1984</p> <p>May 16, 1977</p> <p>August 1, 1984 December 27, 1974</p> <p>January 3, 1985 November 17, 1982</p>	<p>June 18, 1987 January 6, 1988 June 3, 1988 December 15, 1989 April 2, 1991 April 15, 1986 May 15, 1987 November 20, 1991 None April 8, 1977 December 11, 1979 September 21, 1982 September 27, 1985 September 4, 1987 None None</p>
TABLE 6	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TX AND INCORPORATED AREAS		COMMUNITY MAP HISTORY	

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISION DATE	FLOOD INSURANCE RATE MAP EFFECTIVE DATE	FLOOD INSURANCE RATE MAP REVISION DATE
Oak Ridge North, City of Panorama Village, City of Patton Village, City of Roman Forest, City of Shenandoah, City of Splendor, City of Stagecoach, City of Willis, City of Woodbranch, City of Woodloch, Town of	December 18, 1984 December 31, 1976 August 13, 1976 August 1, 1984 April 25, 1978 August 30, 1974 September 5, 1984 July 2, 1976 July 2, 1976 December 31, 1976	None None None None None March 5, 1976 None None None None	December 18, 1984 August 1, 1984 August 1, 1984 August 1, 1984 December 19, 1996 August 1, 1984 September 5, 1984 August 1, 1984 August 15, 1984 January 3, 1985	February 19, 1992 None None None None None None None None None
TABLE 6	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TX AND INCORPORATED AREAS		COMMUNITY MAP HISTORY	

8.0 LOCATION OF DATA

Information concerning the pertinent data used in the preparation of this study can be obtained by contacting FEMA Region VI, Federal Insurance and Mitigation Division, 800 North Loop 288, Denton, Texas 76209.

9.0 BIBLIOGRAPHY AND REFERENCES

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