

Navasota, TX

Base Level Engineering (BLE) Results

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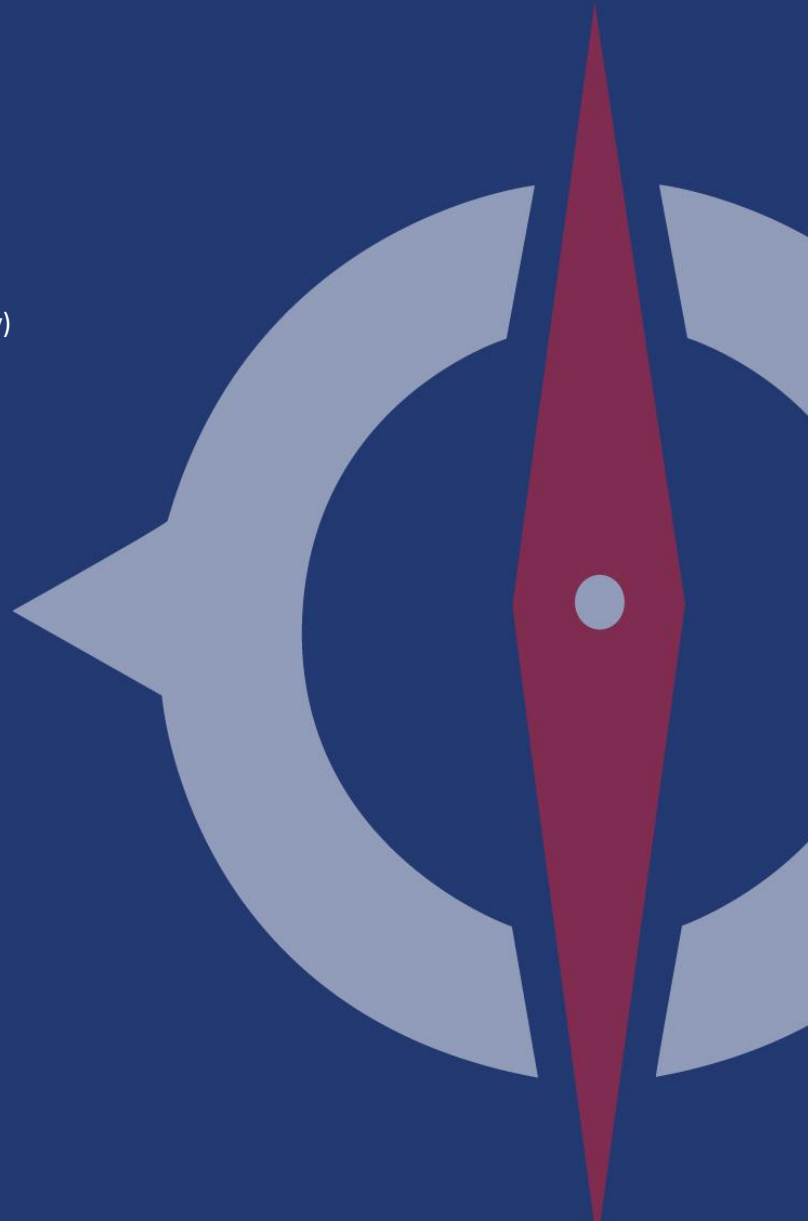
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Executive Summary

FEMA Region VI contracted Compass to complete a Base Level Engineering (BLE) analysis for the HUC-08 watershed Navasota (NVS) in east Texas, to support FEMA's Discovery process and validation of effective Zone A Special Flood Hazard Areas (SFHAs). The BLE process involves using best available data and incorporating automated techniques with traditional model development procedures to produce regulatory-quality flood hazard boundaries for the 1-percent annual chance event as well as estimates of flood hazard boundaries for multiple recurrence intervals.

The source digital terrain data used for surface model development in support of hydrologic and hydraulic analysis as well as mapping activities were leveraged from various local, State, and Federal partners. Details regarding the different datasets used are provided below in Section 1.1.

Flood discharges for this study were calculated the United States Geological Survey (USGS) regression equations. Regression equations were obtained from the USGS Scientific Investigations Report (SIR) 2009-5087, *Regression Equations for Estimation of Annual Peak-Streamflow Frequency for Undeveloped Watersheds in Texas Using an L-moment Based, PRESS-Minimized, Residual-Adjusted Approach* (2009).

The Hydrologic Engineering Center's River Analysis System (HEC-RAS) program version 4.1.0 was used to compute water surface elevations on a stream by stream basis. All hydraulic models were computed using 1-D steady state analysis.

The stream mile network that was validated for these watersheds was compiled using FEMA's Community Needs Management Strategy (CNMS) inventory. CNMS is an inventory of flood hazard studies and flood hazard mapping needs for areas where a study is needed. This data is helpful for community officials in analyzing and depicting flood hazards to enhance the understanding of flood risks. Communities may use this information to make informed decisions on their planning and flood mitigation efforts. **Table ES-1** lists the stream miles associated with this validation analysis.

Table ES-1: Summary of Stream Miles

Source	Navasota River Stream Miles
CNMS	1,982.7

The full inventory of Zone A studies in the watershed were classified in CNMS. Total miles validated in CNMS are summarized in **Table ES-2** and illustrated in **Figure ES-1** below.

Table ES-2: Aggregated Zone A Validation Results

Validation Status	Status Type	Total Miles
Valid	Being Studied	348.2
Unverified	Being Studied	1,634.5

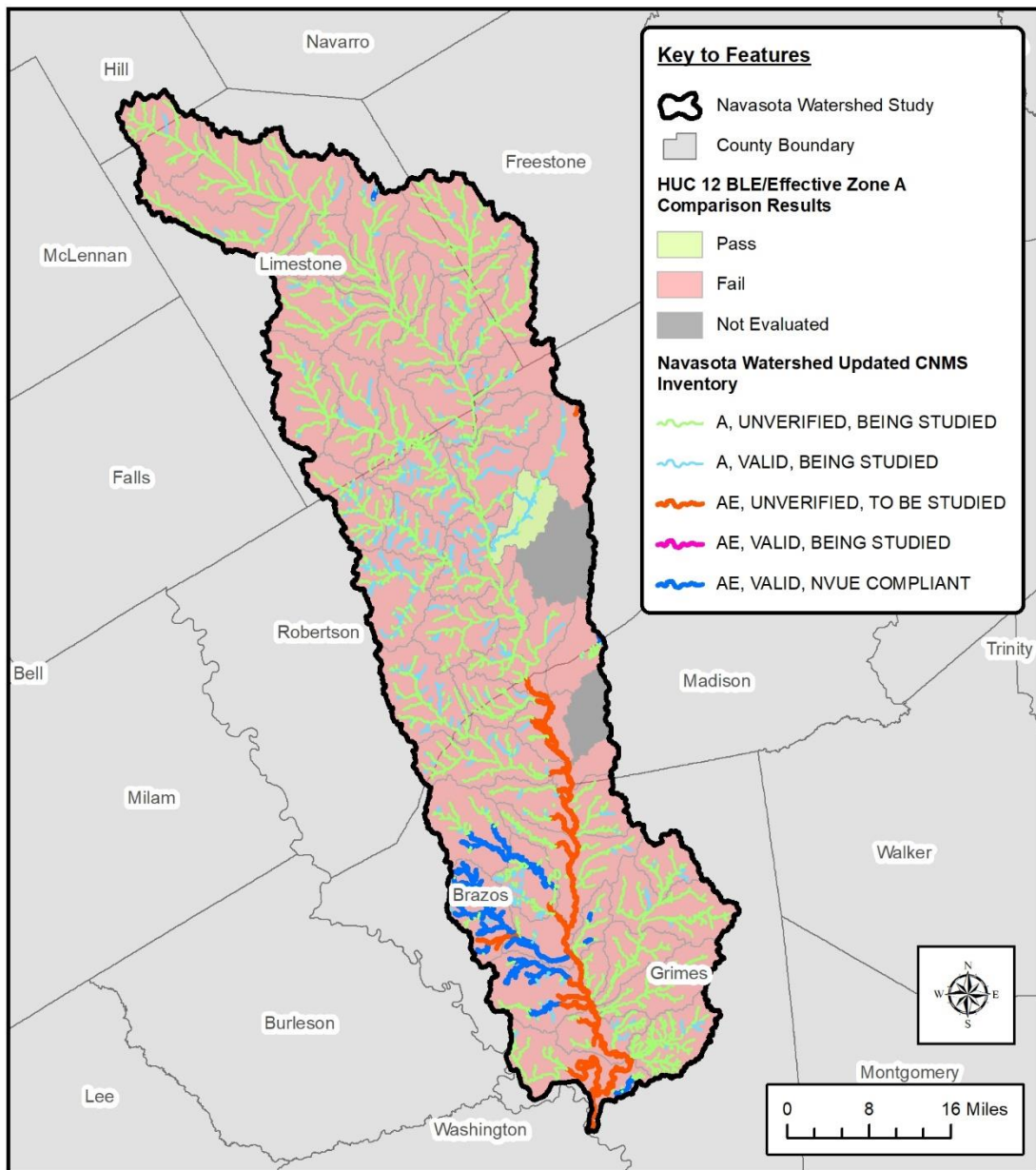


Figure ES-1: Navasota Watershed CNMS Validation Results

An overall risk for each HUC-12 watershed was calculated using the National Flood Risk Percentages Dataset and its proportional area. The weighted risk was multiplied by the percentage of points in the watershed that failed the CNMS comparison to effective to determine the priority score. **Figure ES-2** below shows the range of the Navasota Watershed HUC-08 priority scores which can be used to initiate discussions during the Discovery phase.

Big Creek-Navasota River HUC-12 was determined to have the highest priority score and the most need, and Lower Brushy Creek HUC-12 had the lowest score.

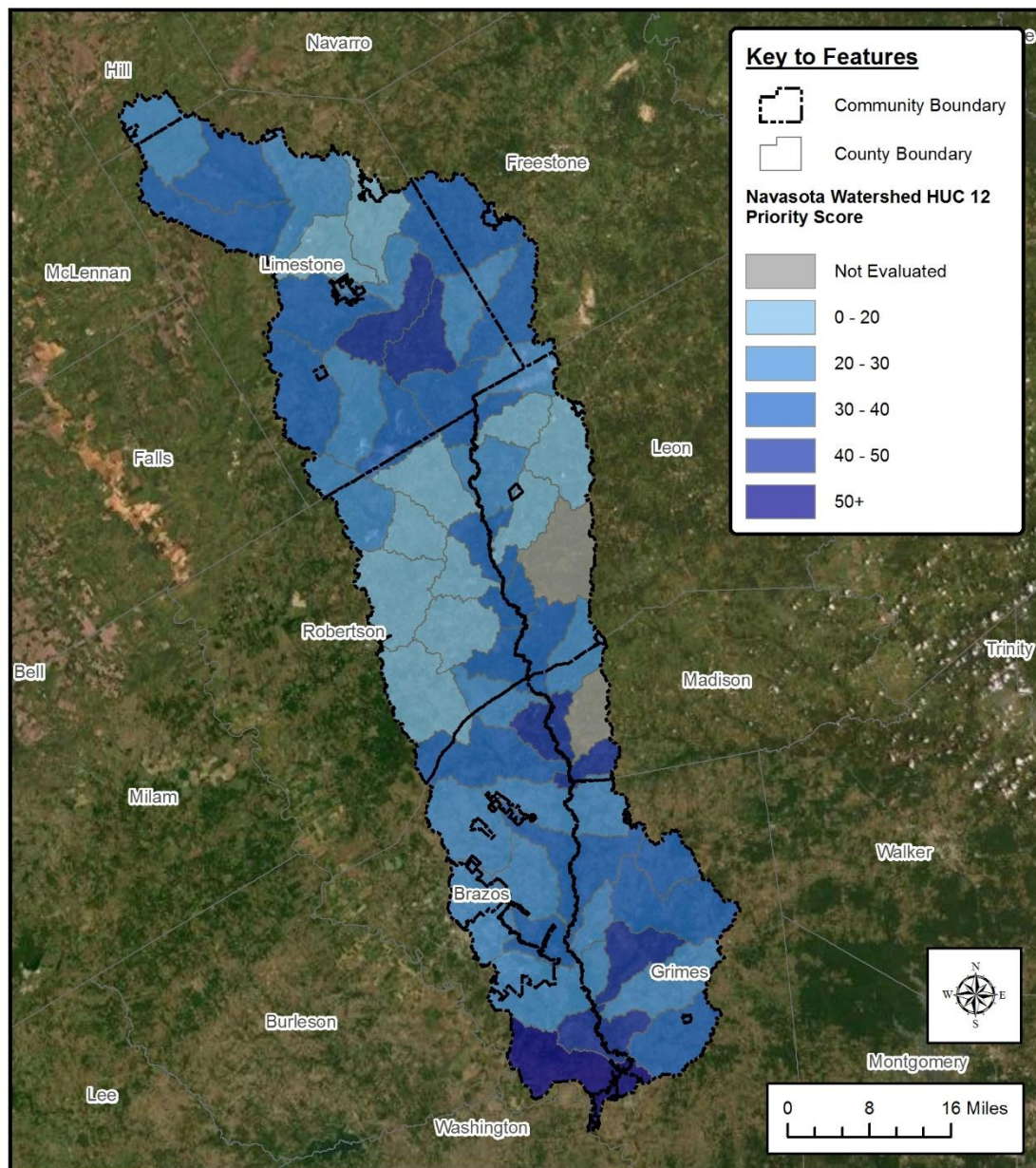


Figure ES-2: Ranking of Navasota Watershed HUC-12



Base Level Engineering (BLE) Methodology

Recent innovations and efficiencies in floodplain mapping have allowed the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) to develop a process called Base Level Engineering (BLE), which can be used to address current program challenges, including the validation of Zone A studies and the availability of flood risk data in the early stages of a Flood Risk Project. The BLE process involves using best available data and incorporating automated techniques with traditional model development procedures to produce regulatory quality flood hazard boundaries for the 1-percent annual chance event as well as estimates of flood hazard boundaries for multiple recurrence intervals. The cost for developing the data and estimates resulting from the BLE process are lower than standard flood production costs. The BLE results may be used for eventual production of regulatory and non-regulatory products.

As described in Title 42 of the Code of Federal Regulations, Chapter III, Section 4101(e), once every five years, FEMA must evaluate whether the information on Flood Insurance Rate Maps (FIRMs) reflects the current risks in flood-prone areas. FEMA makes this determination of flood hazard data validity by examining flood study attributes and change characteristics, as specified in the Validation Checklist of the Coordinated Needs Management Strategy (CNMS) Technical Reference. The CNMS Validation Checklist provides a series of critical and secondary checks to determine the validity of flood hazard areas studied by detailed methods (e.g., Zone AE, AH, or AO). While the critical and secondary elements in CNMS provide a comprehensive method of evaluating the validity of Zone AE studies, a cost-effective approach for evaluating Zone A studies has been lacking.

In addition to the need for Zone A validation guidance, FEMA standards require flood risk data to be provided in the early stages of a Flood Risk Project. FEMA Program Standard SID #29 requires that during Discovery, data must be identified that illustrates potential changes in flood elevation and mapping that may result from the proposed project scope. If available data does not clearly illustrate the likely changes, an analysis is required that estimates the likely changes. This data and any associated analyses should be shared, and results should be discussed with stakeholders.

An important goal of the BLE process is the scalability of the results. Scalability means that the results of a BLE analysis can not only be used for CNMS evaluations of Zone A studies but can also be leveraged throughout the Risk MAP program. The data resulting from a BLE analysis can be updated as needed and used for the eventual production of regulatory and non-regulatory products, outreach and risk communication, and MT-1 processing. Leveraging this data outside the Risk MAP program may also be valuable to external stakeholders.

FEMA Region VI contracted Compass to complete a BLE analysis for the Navasota Watershed in central Texas to support FEMA's Discovery process and validation of effective Zone A Special Flood Hazard Areas (SFHA). The study extents include portions of Brazos, Freestone, Grimes, Hill, Leon, Limestone, Madison, and Robertson Counties, and include the following communities: The Cities of Bryan, College Station, Wixon Valley, Teague, Navasota, Iola, Anderson, Mount Calm, Normangee, Marquez, Jewett, Mexia, Coolidge, Groesbeck, Kosse, and Franklin, and the Towns of Kurten, Tehuacana, and Thornton. The study area consists of 8 HUC-10 basins: Christmas Creek-Navasota River, Steele Creek, Sanders Creek-Navasota River, Duck Creek-Navasota River, Cedar Creek-Navasota River, Wickson Creek-Navasota River, Gibbons Creek-Navasota River, Rocky Creek-Navasota River. **Figure 1** shows the orientation of the Navasota HUC-10 basins with respect to the counties.

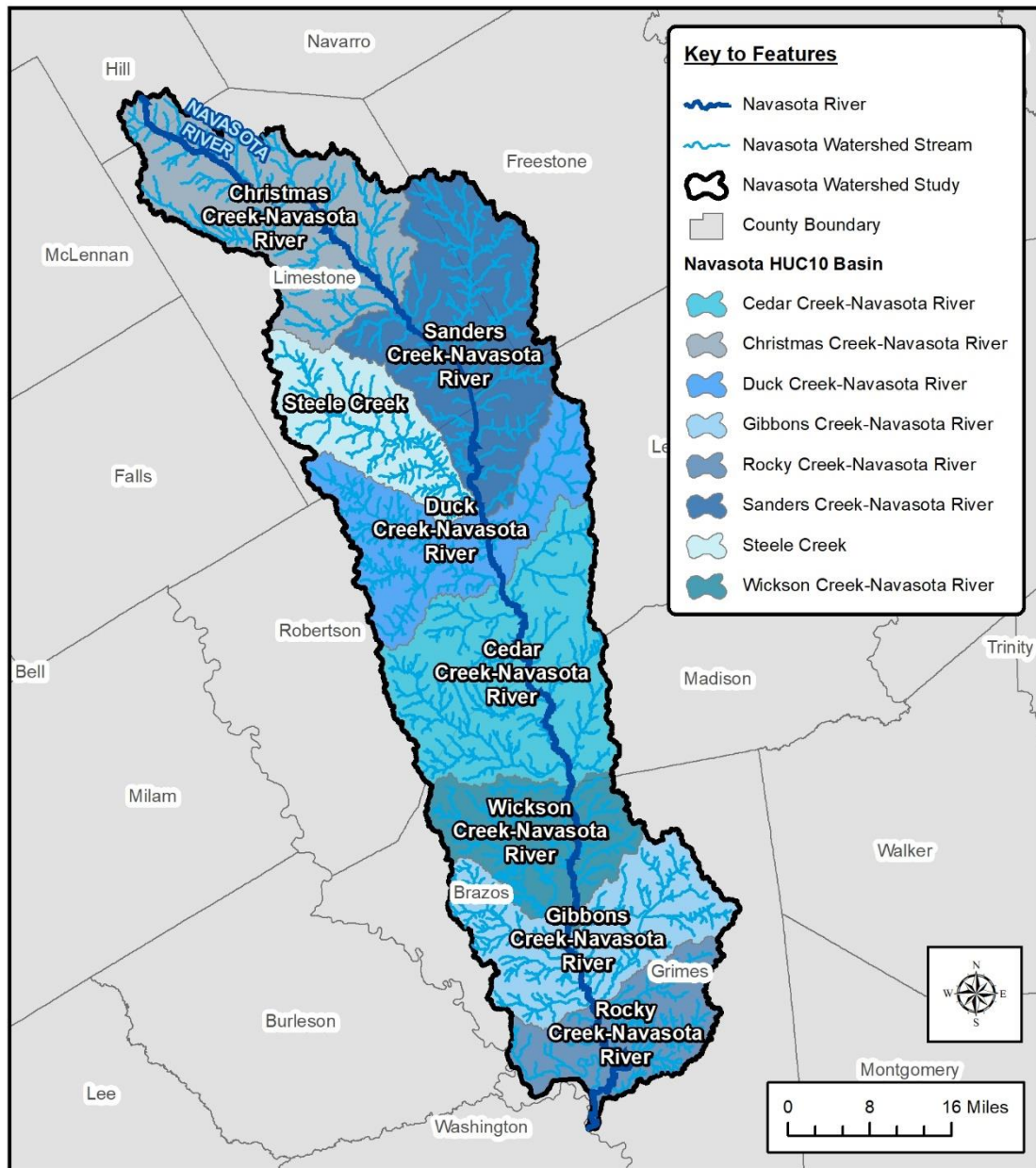


Figure 1: Navasota Watershed HUC-10 Basins

Compass studied approximately 2,832 miles of stream reaches within the Navasota Watershed with a minimum drainage area tolerance of one square mile. The selection and extent of stream reaches studied were based upon the number of stream miles with a minimum drainage area of one square mile and not the number of effective Zone A stream miles. Study reaches were extended above this threshold as appropriate to ensure all effective Zone A flood areas received an updated analysis. Topographic data from multiple sources were used to determine the hydrologic and hydraulic characteristics of the watershed. The following sections summarize the BLE process and discuss the results along with their recommended use.



1.1 Topographic Data

An inventory of existing topographic data was conducted for the Navasota BLE project footprint. **Figure 2** depicts the datasets identified and leveraged across the project area. FEMA, TNRIIS, and other State and Federal agencies were queried to build the inventory with the most current and available data sources.

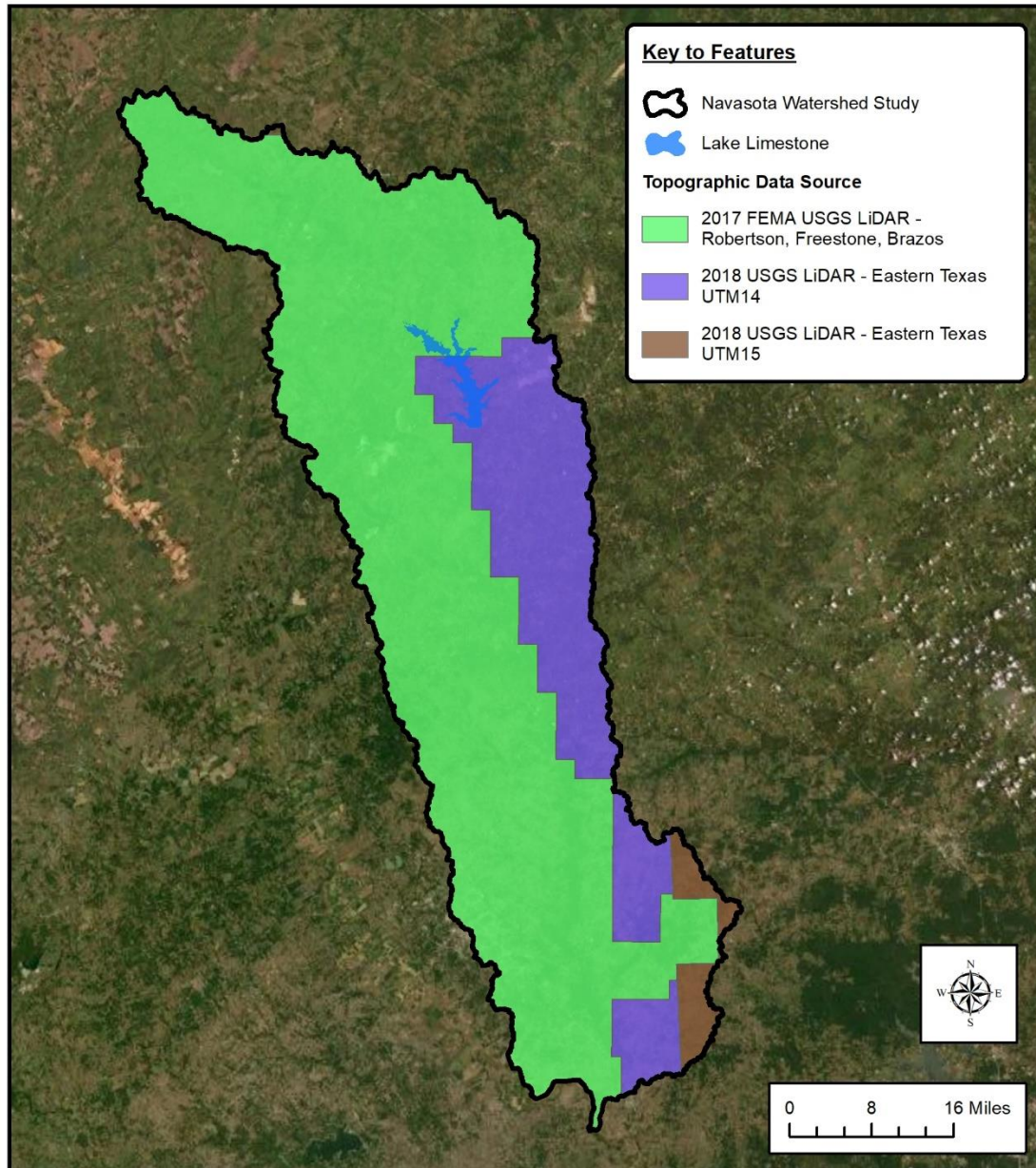


Figure 2: Extent of LiDAR Data for Navasota Watershed

1.1.1 Evaluation

A data coverage assessment was conducted to check for data gaps, extent, accuracy, and completeness. A review of related documentation, reports, indexes, and metadata associated



with the leverage datasets ensured each dataset meets FEMA accuracy requirements for topographic data. Decisions to leverage or exclude a dataset (or portion of it), were based generally on the following criteria coupled with engineering judgment:

- Data meet FEMA vertical accuracy standards (**Table 1**)
- Date of origination
- Data density and coverage

Table 1 depicts the Risk Map SID 43 vertical accuracy requirements based on flood risk and terrain slope within the floodplain being mapped.

Table 1: FEMA Vertical Accuracy Requirements for Leveraged Data

Level of Flood Risk	Typical Slopes	Specification Level	Vertical Accuracy*	LiDAR Nominal Pulse Spacing (NPS)
High (Deciles 1,2,3)	Flattest	Highest	24.5 cm / 36.3 cm	≤ 2 meters
High (Deciles 1,2,3)	Rolling or Hilly	High	49.0 cm / 72.6 cm	≤ 2 meters
High (Deciles 2,3,4,5)	Hilly	Medium	98.0 cm / 145 cm	≤ 3.5 meters
Medium (Deciles 3,4,5,6,7)	Flattest	High	49.0 cm / 72.6 cm	≤ 2 meters
Medium (Deciles 3,4,5,6,7)	Rolling	Medium	98.0 cm / 145 cm	≤ 3.5 meters
Medium (Deciles 3,4,5,6,7)	Hilly	Low	147 cm / 218 cm	≤ 5 meters
Low (Deciles 7,8,9,10)	All	Low	147 cm / 218 cm	≤ 5 meters

*Vertical Accuracy at 95% Confidence Level (FVA or NVA)/(CVA or VVA)

Table 2 depicts the complete list of source elevation data and attributes leveraged for the Navasota Watershed BLE project. All the Terrain datasets used for hydrology, hydraulic analyses, and mapping meet the highest specification level defined in **Table 1**. Further explanation of the **Table 2** datasets can be referenced in Section 1.1.1.1.

Table 2: Source Topographic Data Available for the Navasota Watershed

Year	Description	Data Type	RMSE	Source/Owner
2018	USGS LiDAR, East Texas	Airborne LiDAR	9.8 cm	USGS
2017	FEMA-USGS LiDAR, Robertson, Freestone, Brazos Counties, Tx	Airborne LiDAR	14.6 cm	FEMA/USGS

1.1.1.1 Navasota Watershed Source Terrain Data

The source elevation data for the Navasota Watershed are DEMs derived from the USGS and FEMA LiDAR data. Only points classified as “ground” points (i.e., bare earth) were imported from the LiDAR and used for development of the project DEMs. Bare-earth LiDAR data are typically made by filtering non-ground returns (e.g. buildings, vegetation, etc.) from the raw laser returns. **Figure 2** depicts the extent of the data defined in **Table 2**.

2018 USGS LiDAR, East Texas - The 2018 USGS LiDAR, East Texas was acquired in March 2018. The LiDAR were collected with a nominal pulse spacing of 0.63 meters. The RMSEz reported for the dataset was 9.8 cm at the 95% confidence level which meets project accuracy specifications of the National Standard for Spatial Data Accuracy (NSSDA). These accuracies meet FEMA standards for



floodplain reevaluation studies and map modernization programs designed to update the Flood Insurance Rate Maps (FIRM).

2017 FEMA LiDAR, Robertson, Freestone, Brazos Counties, TX- The 2017 FEMA LiDAR was acquired between January 2017 and March 2017. The LiDAR were collected with a nominal pulse spacing of 0.63 meters. The RMSEz reported for the dataset was 14.6 cm at the 95% confidence level which meets project accuracy specifications of the NSSDA.

1.1.1.2 Terrain Data Processing

The LiDAR data were processed in Environmental System Research Institute (ESRI) ArcGIS software to create a composite Digital Elevation Model (DEM) dataset for the project area. The DEM was used to generate hydrologically correct stream centerlines and served as a source for horizontal alignment and vertical elevation during manual revisions.

The Watershed Information System (WISE) Terrain Analyst (WTA) module software platform was utilized in order to create a Hydrologically correct DEM (HDEM) for the project area. WTA is used to identify natural sinks, peaks and flat areas in the DEM surface. The WTA module uses several routines that take localized elevations from the source topographic data and apply them to the streams. This ensures that the streams in the watershed are lower in elevation than any overbank sumps and also descend in height down to an outfall. The final generated streams file is then “burned” into DEMs to force flow through structures while preventing it from jumping out of the channel banks.

During the hydro enforcement of DEM, elevations of the cells were algorithmically calculated and the best path to route flow was determined without filling sinks in the DEM. Once all calculations were completed, the flow was checked confirming that all drainage flowed downstream correctly and routed to outside of the HUC-08 basin. The outputs from the processing described above, which included composite DEMs and HDEMs (10-ft and 50-ft cell-size), were used during the hydrology, hydraulics, and floodplain mapping processes.

In addition to the quantitative assessment of the source digital terrain, a qualitative visual inspection of the composite DEM was performed using a hillshade derived from the 10-foot DEM. The visual inspection indicated no unusual or non-terrestrial features were observed in the composite DEM, assuring the surface files used for hydrologic, hydraulic analyses, and floodplain mapping activities are sufficient for BLE analysis.

1.2 Hydrology

Flood discharges for this study were calculated using the United States Geological Survey (USGS) regression equations. Regression equations were obtained from the USGS Scientific Investigations Report (SIR) 2009-5087, *Regression Equations for Estimation of Annual Peak-Streamflow Frequency for Undeveloped Watersheds in Texas Using an L-moment Based, PRESS-Minimized, Residual-Adjusted Approach* (2009).

The Watershed Information System (WISE) software was used to delineate drainage basins in shapefile format using the 50-foot DEM. WISE was also used to calculate the main-channel slope for each basin. The basin shapefile attribution was automated by WISE with drainage area, main-channel slope, and precipitation. The Navasota Watershed is a headwater watershed, and thus no upstream drainage area is added to the mainstem basins.



Table 3 presents the published equations used in this study. In these equations, Q_i represents peak streamflow for i -recurrence interval (annual chance exceedance) in cubic feet per second (cfs), P represents mean annual precipitation in inches, S represents dimensionless main-channel slope, Ω represents the OmegaEM parameter, and A represents cumulative drainage area in square miles.

Table 3: Summary of Regression Equations in Texas (SIR 2009-5087)

Recurrence Interval	Equation
$Q_{10\%}$	$P^{1.203} \times S^{0.403} \times 10^{[0.918\Omega + 13.62 - 11.97A^{(-0.0289)}]}$
$Q_{4\%}$	$P^{1.140} \times S^{0.446} \times 10^{[0.945\Omega + 11.79 - 9.819A^{(-0.0374)}]}$
$Q_{2\%}$	$P^{1.105} \times S^{0.476} \times 10^{[0.961\Omega + 11.17 - 8.997A^{(-0.0424)}]}$
$Q_{1\%}$	$P^{1.071} \times S^{0.507} \times 10^{[0.969\Omega + 10.82 - 8.448A^{(-0.0467)}]}$
$Q_{0.2\%}$	$P^{0.988} \times S^{0.569} \times 10^{[0.976\Omega + 10.40 - 7.605A^{(-0.0554)}]}$
Variables: Q_i , peak flow for i recurrence interval annual chance exceedance in cubic feet per second; P , mean annual precipitation, in inches; S , Main-channel slope (dimensionless); Ω , OmegaEM parameter; and A , cumulative drainage area, in square miles.	

Discharges for the 1-percent plus and 1-percent minus annual chance event were calculated as $Q_{1\% \pm} = Q_{1\%} \pm 10^{1.6 \times 0.30}$, where 0.30 is the mean residual standard error for the $Q_{1\%}$ equation.

The mean annual precipitation values for the Texas regression equations were determined based on gridded coverage obtained from the PRISM Climate Group and available for download from the following location: <http://prism.oregonstate.edu/normals/>. The annual precipitation values reflect data for the climatological period 1981-2010 as recorded by the Natural Resources Conservation Service (NRCS).

Main-channel slope was calculated in WISE. An automated routine determined the longest flowpath from upstream of a reach to the outlet of the sub-basin of interest. The elevations for those endpoints were based on the 10-foot DEM developed from the LiDAR.

From USGS SIR 2009-5087, the OmegaEM parameter is a generalized terrain and climate index that expresses relative differences in peak-streamflow potential. A shapefile was developed and populated with OmegaEM values based on Figure 2 in SIR 2009-5087. This shapefile was used, along with a python script in ArcCatalog, to determine OmegaEM values on a sub-basin basis. For sub-basins spanning more than one OmegaEM grid, the sub-basin's centroid determined its OmegaEM parameter.

Automated basin delineations were performed in WISE. Basin break points were set by the user with a sub-basin target size of one square mile. This criterion was adjusted for the main stem of the Navasota River to avoid excessive and unnecessary discharge breaks. Break points were also set immediately upstream of stream confluences. Cumulative drainage area was determined based on these automated delineations performed by WISE in combination with a stream



connectivity routine that defined the stream reach segments with upstream and downstream neighbors.

The sub-basin shapefile was attributed with the computed discharges, and those discharges were incorporated into the HEC-RAS models using an automated routine in WISE. Discharges, as well as water surface elevation results, were associated with the hydraulic cross-sections prior to generation of floodplain boundaries and grid mapping. Those results are available in GIS format as part of this BLE submittal package.

1.2.1 Flood Frequency Analysis

A flood frequency analysis was prepared for the Navasota Watershed. Peak annual discharge from five USGS gages were processed to generate frequency discharges at each gage. **Table 4** presents the gages included in the flood frequency analysis along with the source of the data, location of the gage, period of record, and stream the gage is located on. **Figure 3** shows the locations of USGS gages utilized in the flood frequency analyses.

Table 4: Flood Frequency Analysis Stream Gages

Gage Number	Flooding Source and Location	Published Drainage Area (mi ²)	Period of Record
USGS 08110325	Navasota River above Groesbeck, TX	239	1979-2019
USGS 08110400	Navasota River near Groesbeck, TX	311	1966-1978
USGS 08110500	Navasota River near Easterly, TX	968	1899-2019
USGS 08210400	Navasota River at Old San Antonio	1,287	1997-2019
USGS 08110800	Navasota River near Bryan, TX	1,428	1951-1997

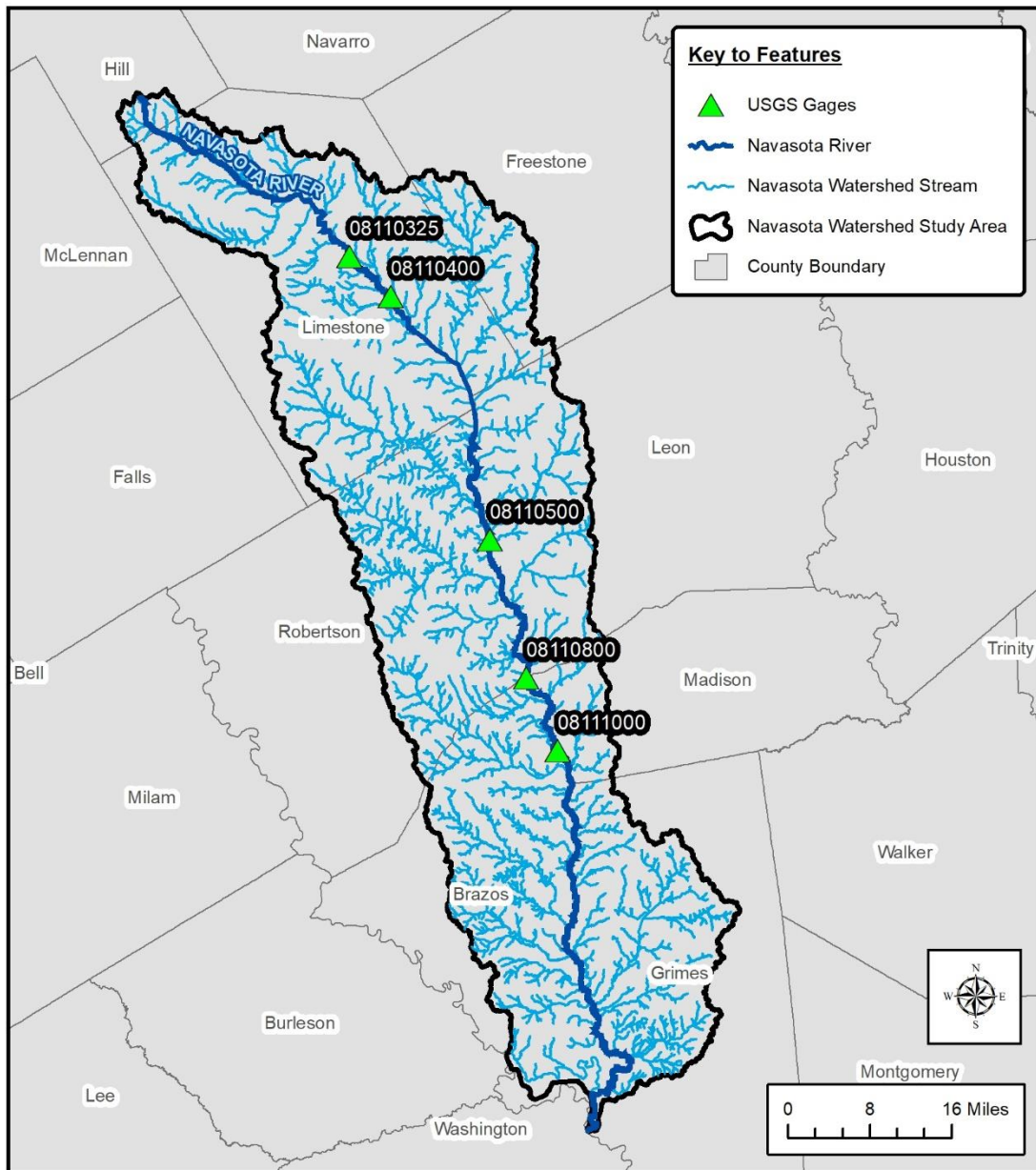


Figure 3: Locations of USGS Gages Utilized in Flood Frequency Analysis

A flood frequency analysis was computed for each USGS gage to determine the peak discharges for the Navasota Watershed using the USGS "Guidelines for Determining Flood Flow Frequency, Bulletin #17B", revised September 1982. The 2009 regression models predict higher streamflow values than the flood frequency analyses on gages located along the Navasota River for all studied frequency events. Therefore, no discharge adjustment factors were applied to the 2009 regression equations for the Navasota Watershed.

Discharges for the Navasota River estimated by the gage analysis are presented in **Table 5**.



Table 5: Discharges at USGS Stream Gages in the Navasota Watershed

Gage Number	10% AEP (cfs)	4% AEP (cfs)	2% AEP (cfs)	1% AEP (cfs)	0.2% AEP (cfs)
USGS 08110325	20,049	26,689	31,891	37,293	50,664
USGS 08110400	27,147	36,610	43,023	48,787	59,387
USGS 08110500	46,463	62,804	73,623	83,164	100,705
USGS 08210400	53,839	72,144	83,420	92,884	107,690
USGS 08110800	35,677	52,833	66,775	81,487	117,916

The 1-percent and 0.2-percent annual chance event peak streamflow comparisons as calculated with the 2009 regression model and from gage data for the Navasota mainstem is shown in **Figure 4** and **Figure 5**, respectively.

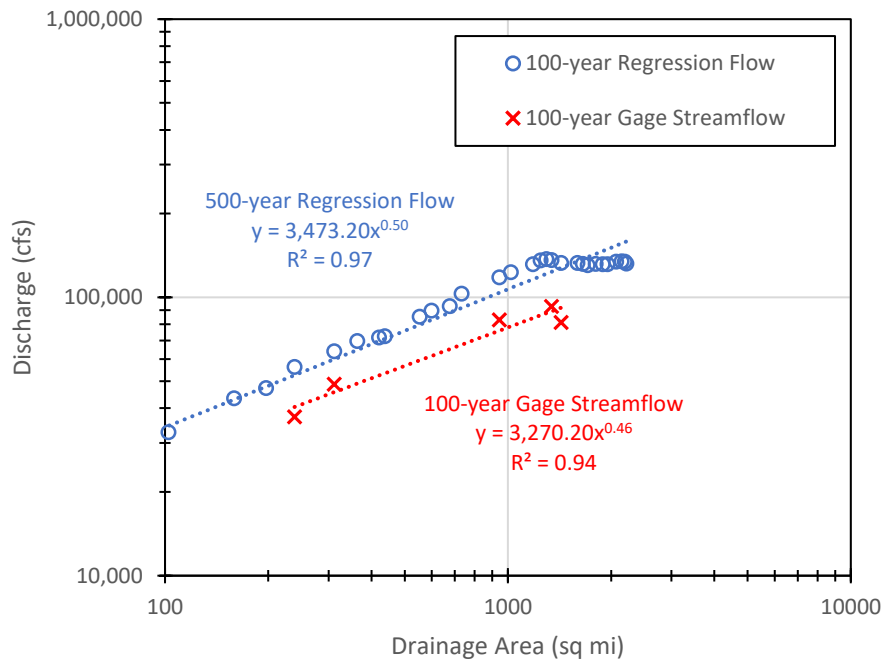


Figure 4: 1-Percent Annual Chance Event Flood Frequency Analysis for Navasota River Mainstem

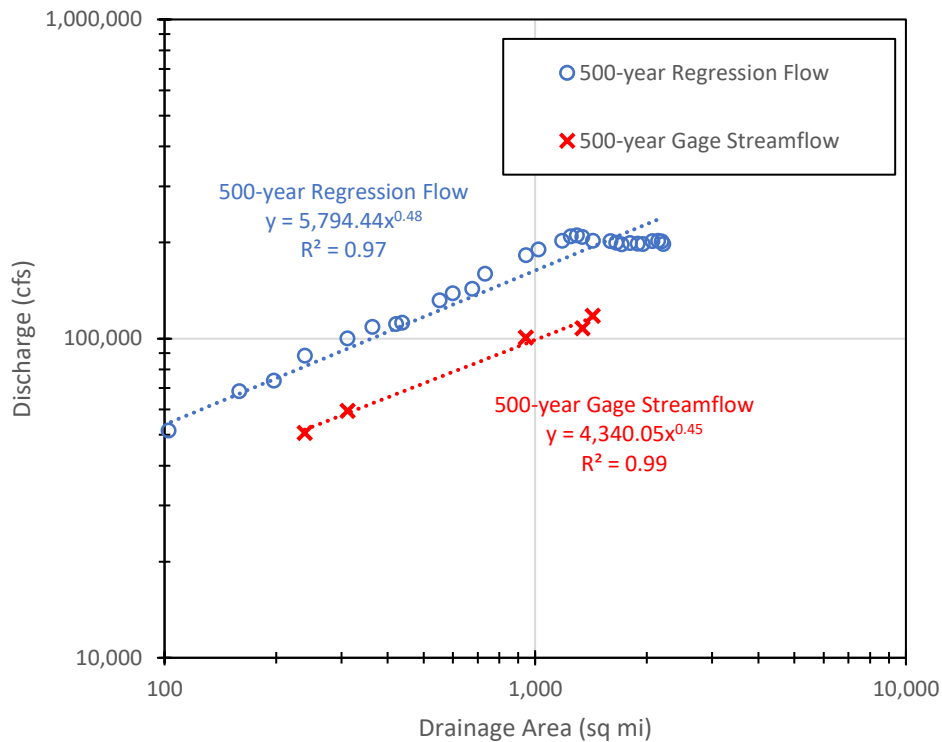


Figure 5: 0.2-Percent Annual Chance Event Flood Frequency Analysis for Navasota River Mainstem

1.3 Hydraulics

The hydraulic approach for this BLE analysis of the Navasota Watershed consisted of using the terrain model described in Section 1.1 in combination with the hydrologic outputs from Section 1.1.1 to establish water surface elevations using 1-D steady state analysis. The Hydrologic Engineering Center's River Analysis System (HEC-RAS) program version 4.1.0 was chosen as the computer model to compute water surface elevations on a stream by stream basis. The WISE software was used to establish model stream orientation, generate initial hydraulic cross-section layout and stationing, assign n-values to cross-sections, and develop all input files for the HEC-RAS program. ESRI's ArcMap program was used to review and refine cross-section layout orientation.

First pass cross-section layout was performed using an automated routine in WISE based on the cumulative drainage area at the cross-section location. A first draft model was created based on this initial cross-section layout, and draft boundaries were developed. At this stage, a second pass inspection for cross-section placement occurred. Significant refinement occurred during this step. To improve the hydraulic models, additional cross-sections were added as needed to better define the BLE floodplain boundary. Cross-sections were extended in locations where overtopping occurred. Orientation of cross-sections was refined to improve on the perpendicular orientation to flow. Additional cross-sections were added at floodplain constrictions and at downstream portions of tributaries to ensure a proper tie-in with receiving streams. Cross-sections were adjusted to remove sections that intersected hydraulic crossings in the floodplain. For some of the largest studied streams, cross-sections were laid out manually to have more reasonable spacing and better capture the constrictions in the floodplain.



Cross-sections were not drawn on top of roadways or railroads but were placed at the upstream and downstream face of major roads and railroads. Ineffective flow stations were placed in the hydraulic models as appropriate to account for flow constrictions and other locations deemed by the engineer to be ineffective at conveying flow downstream.

Cross-sections were drawn on dam tops for significant dams with well-defined spillways to better represent ponded water upstream of the structures. In so doing, it was assumed that most of the flow during a flood event would pass the spillway and that the hydraulic model would reasonably estimate flow across the spillway as represented in the hydraulic cross-section. The elevations used in the modeling were checked against effective Zone A boundaries, and the results were deemed reasonable.

The relationship between cumulative drainage area and assigned channel geometry is shown in **Table 6**. These default values for dimensions and spacing were subject to change based on engineering judgment.

Table 6: Cross-Section Default Parameters

Drainage area (upper limit) (mi ²)	XS Spacing (ft)	Channel Top Width (ft)		Channel Bottom Width (ft)		Channel Depth (ft)
		Minimum	Maximum	Minimum	Maximum	
1	500	5	12	4	11	0.1
2	500	5	14	4	13	0.1
4	500	9	14	8	13	0.3
6	500	11	16	10	15	0.3
10	500	12	17	11	16	0.5
20	500	14	22	13	21	0.5
30	500	16	24	15	23	0.5
40	500	17	26	16	25	0.5
50	600	17	27	16	26	0.5
75	600	19	30	18	29	0.5
100	750	19	32	18	31	0.5
200	750	22	36	21	35	0.5
300	750	23	38	22	37	0.5

In typical BLE projects, Manning's roughness coefficients (n-values) are determined using the 2016 National Land Cover Data (NLCD) dataset in combination with n-values from Chow (1959) and Calenda et al. (2005). The association between the n-values and the NLCD Classification is shown in **Table 7**. Manning's n-value takeoffs are performed by WISE (default values taken from the "Normal" column). N-values within channel banks are constrained by the automated routine to a range of 0.030 to 0.070. Then, overbank and channel n-values are manually adjusted in certain locations based on engineering judgment. Under the current BLE task order, the n-value assignments were modified in a calibration process detailed in Section 1.1.

**Table 7: Manning's "n" Roughness Based on 2016 NLCD Classification (Moore, 2011)**

NLCD Classification	Minimum	Normal	Maximum	Source
Open Water	0.025	0.03	0.033	Chow 1959
Developed, Open Space	0.01	0.013	0.016	Calenda et al. 2005
Developed, Low Intensity	0.038	0.05	0.063	Calenda et al. 2005
Developed, Medium Intensity	0.056	0.075	0.094	Calenda et al. 2005
Developed, High Intensity	0.075	0.1	0.125	Calenda et al. 2005
Barren Land	0.025	0.03	0.035	Chow 1959
Deciduous Forest	0.1	0.12	0.16	Chow 1959
Evergreen Forest	0.1	0.12	0.16	Chow 1959
Mixed Forest	0.1	0.12	0.16	Chow 1959
Scrub/Shrub	0.035	0.05	0.07	Chow 1959
Grassland/Herbaceous	0.025	0.03	0.035	Chow 1959
Pasture/Hay	0.03	0.04	0.05	Chow 1959
Cultivated Crops	0.025	0.035	0.045	Chow 1959
Woody Wetlands	0.08	0.1	0.12	Chow 1959
Emergent Herbaceous Wetland	0.075	0.1	0.15	Chow 1959

The boundary condition used for most of the study streams was normal depth with a default value of 0.005 ft/ft. For streams with large drainage areas (generally greater than 8 square miles), the normal depth slope was calculated based on the channel inverts of the downstream cross-sections.

In cases where streams tie into a lake, a normal depth slope was calculated based on the channel inverts of the downstream cross-sections (typically between 0.0001 and 0.001 ft/ft). A few HUC-10s within this watershed are located in urban areas with storm drain systems, which are unaccounted for in the BLE models. Simplifications of these systems may considerably affect perceived risk.

1.4 Quality Control

Following the initial BLE analysis in each watershed, the flood hazard area delineations created by the BLE process were reviewed for areas where the results were not ideal.

Quality Control (QC) results indicated that some of the models should be extended to cover the scope of effective flood hazard data. Those streams were extended farther upstream to match the extents of the SFHA data.

Typical manual editing resulting from reasonability checks included adding cross-sections, adjusting orientation of cross-sections, trimming cross-sections and reduction of the default "V" angle of cross-sections. Examples of default "V" angled cross-sections are shown in **Figure 6**. It is estimated that 75 percent of cross-sections were adjusted in some work areas while other areas did not require as much editing. Other examples of manual editing included the addition of cross-sections at confluence areas (see **Figure 7** below), modifications to improve perpendicular orientation at the channel, adjustment of discharge breaks to better represent flow addition points, revisions to dam spillways and dam tops, additional cross-sections bounding major hydraulic structures, and revisions to n-values.



A major component of the QC process was an automated check that identified locations where the 1-percent and 0.2-percent annual chance event profiles were crossed by any other frequency profile. Significant effort was made to reasonably resolve all of these instances. Another automated check identified locations where there was a drawdown of greater than 0.5 foot on the 1-percent and 0.2-percent annual chance event water surface profiles. This check is particularly useful for identifying errors in the model such as a channel that is too wide, a poorly placed cross-section, or a need for additional cross-sections. Again, significant effort was made to reasonably resolve these drawdown situations.

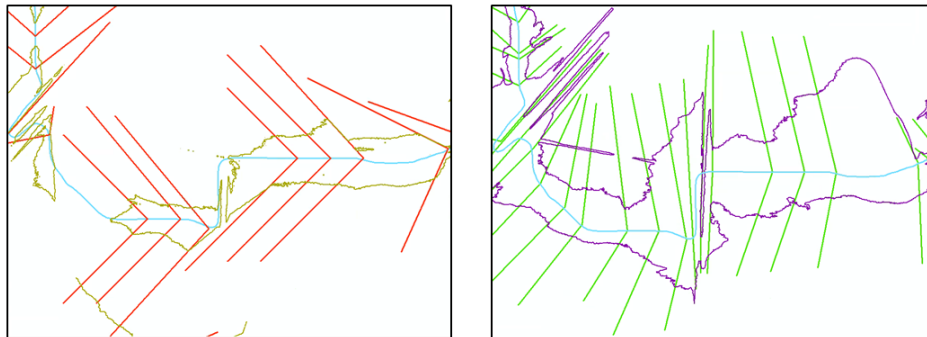


Figure 6: Default "V" angle cross-sections automated by WISE (left). Manually edited cross-sections to more accurately capture terrain (right). Resulting flood boundaries shown in gold (left) or purple (right) for clarity.

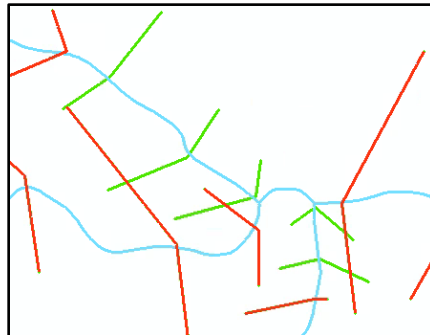


Figure 7: Manually added cross-sections (green) to improve accuracy of tie-ins at confluences.

1.5 One-Percent Special Flood Hazard Area Delineation

The 10-percent, 1-percent and 0.2-percent annual chance event boundaries were mapped using a routine that develops water surface elevation grids based on the 10-foot cell size DEM developed from the LiDAR dataset used for this project (see Section 1.1). This product was converted to a polygon for cleaning. The cleaning routine involved manual inspection of the polygons to identify and remove areas of disconnected flooding. In general, areas with a size of less than 5,000 square feet were removed and all others were investigated to determine whether they should be considered as potentially part of the SFHA. This investigation was aided by the ground DEM and aerial imagery. Manual adjustments to the polygons were made to account for spillways on dams which could not be accurately modeled using HEC-RAS as well as disconnected areas along the flooding source that should reasonably be connected.



Following the removal of disconnected flooding areas and other boundary adjustments, the small islands in the floodplain were filled. Islands with a size between roughly 5,000 and 30,000 square feet were inspected and, in general, islands that were less than 10,000 square feet were filled.

Once the island filling process was complete, the water surface raster mapping routine was run and set to conform to the polygon boundary. This ensures that the water surface raster and the floodplain boundary are consistent with each other. The depth raster product was created at the end of the process by performing a raster subtraction with the water surface elevation raster and the ground DEM.



Challenges

Challenges encountered during BLE analyses vary based on available data on which to run the analysis. The Navasota Watershed presented challenges as summarized in the following paragraphs.

The Navasota Watershed is located in east Texas, an area known for flat terrain. In areas of wide and flat floodplains, tributaries run parallel to large streams. Parallel streams with shared floodplains were modeled by applying the combined discharge upstream at the cross-section where the shared floodplain begins.

A significant effort was made to improve water surface elevation tie-ins at stream confluences. Cross-sections were manually added on the downstream end of many streams, some of which traverse the receiving stream, so that the water surface elevation of the tributary would be lower than that of the receiving stream.

There are a significant number of small-sized dams on the tributaries throughout the watershed. Discharges calculated with the regression equations do not consider the impact of these structures. There may be need for further investigation when upgrading these models for detailed studies.

Area-specific challenges follow:

The Navasota River is a major tributary to the Brazos River. At the confluence of the Navasota and Brazos Rivers near Navasota, TX, the floodplain is wide and shared between the two rivers. A 1D BLE analysis was previously performed for the Lower Brazos-Little Brazos HUC-8 in July 2020. The Brazos River cross-sections from that study traverse the cross-sections in the Navasota BLE study and have higher water surface elevations. The Lower Brazos-Little Brazos HUC-8 cross-sections were downloaded from the *Estimated Base Flood Elevation Viewer* and used to map the Brazos River floodplain within the Navasota Watershed HUC-8 boundary to ensure a seamless floodplain with the Lower Brazos-Little Brazos BLE study.

In the Gibbons Creek-Navasota River HUC-10, the upstream BLE mapping limit of Burton Creek does not cover the effective floodplain because of the presence of a long underground culvert, the modeling of which is not within the scope of the BLE analysis.

Satellite imagery and LiDAR reveal quarries and mining operations within Steele Creek HUC-10. In a few of these areas, BLE stream alignment is notably different from that of the effective NFHL stream alignment because of the terrain disturbances that have occurred since the effective study. Special attention was given to ensure BLE stream alignment and mapping reflect the current LiDAR.



Results and Recommendations

The BLE results for this study produced a SFHA that compares reasonably well with the effective SFHA. These boundaries provide an additional estimated SFHA in areas that do not currently have an SFHA mapped. These results provide context for flood risk communication as part of the Discovery process and should be verified through community work map meetings before being applied to a regulatory product.

A map showing the BLE results is included as **Appendix B**.

3.1 CNMS Validation of Effective Zone A SFHA

The following summarizes the results of the CNMS validation assessments for the effective Zone A studies in the Navasota Watershed.

3.1.1 Initial Assessment A1 – Significant Topography Update Check

The significant topography update check determines whether a topographic data source is available that is significantly better than what was used for the effective Zone A modeling and mapping. For Leon County, the effective Zone A topographic data leveraged was based on LiDAR. Therefore, reaches in Leon County pass this check. For all other reaches in the Navasota Watershed, the effective Zone A topographic data was based on either USGS topographic maps or is unknown. These reaches fail this element because the LiDAR sources discussed in Section 1.1 represent a significant improvement from the effective Zone A topographic source.

3.1.2 Initial Assessment A2 – Check for Significant Hydrology Changes

The significant hydrology changes check determines whether new regression equations have become available from the USGS since the date of the effective Zone A study. If newer regression equations exist for the area of interest, then an engineer must determine whether these regression equations would significantly affect the 1-percent annual chance flow.

Regression equations are known to have been used for the effective studies in Limestone County. Newer equations were published in 2009, causing these reaches to fail this assessment. Regression equations were also used in the effective studies in Leon County. These reaches pass this assessment because the most recent regression equations were used. The hydrologic methods for all other effective Zone A studies in the Navasota Watershed are unknown and, therefore, pass this element.

3.1.3 Initial Assessment A3 – Check for Significant Development

The significant development check, using the National Urban Change Indicator (NUCI) dataset, assesses increased urbanization in the watershed of the BLE. If the percentage of urban area within the HUC-12 watershed containing the effective Zone A study is 15 percent or more and has increased by 50 percent or more since the effective analysis, the study would fail this check. Although the NUCI data provide year-to-year changes in urbanization, the NLCD also is needed to establish a baseline of urban land cover for this analysis.

The check for significant development in the Navasota Watershed was completed by evaluating percentage of urban change at the HUC-12 level. Most HUC-12s are rural and, therefore, those reaches pass this assessment. The following HUC-12s are urban and have increased by 50 percent



or more in urban cover since the effective analysis and, therefore, fail this element: Middle Steele Creek, Bee Creek-Carters Creek, Lick Creek-Navasota River, and Lower Gibbons Creek.

Table 8 presents the summarized results of checks A1 through A3.

Table 8: A1-A3 Validation Results

Assessment Checks	Pass / Fail	Notes
A1 - Topography	Fail/Pass	Available LiDAR sources in areas of effective studies that did not utilize LiDAR/Studies within Leon County utilized LiDAR for effective study
A2 - Hydrology	Fail/Pass	New equations published/Effective hydrologic methods used are unknown or known not to use regression equations or have used the most recent regression equations
A3 - Development	Fail/Pass	>50% increase in urban development since effective study in urban HUC-12/HUC-12 is rural

3.1.4 Validation Check A4 – Check of Studies Backed by Technical Data

Zone A studies that pass all initial assessment checks described above may be categorized as “Valid” in the CNMS Inventory only if the effective Zone A study is supported by modeling or sound engineering judgment and all regulatory products are in agreement. If the effective Zone A study passes all initial assessment checks, but is not supported by modeling, or if the original engineering method used is unsupported or undocumented, a comparison of the BLE results and effective Zone A’s is performed. Only the streams within Leon County are model-backed and pass this assessment. Due to lack of documentation of the original engineering methods, all other streams in the Navasota Watershed fail the A4 check.

3.1.5 Validation Check A5 – Comparison of BLE and Effective Zone A

The BLE/effective Zone A comparison method leverages the existing Floodplain Boundary Standard (FBS) certification procedures described in FEMA SID 113, but with a slight modification. This modified FBS comparison approach uses the 1-percent plus and 1-percent minus flood profiles and horizontal and vertical tolerances described in FEMA’s Automated Engineering guidance document dated May 2016. For the comparison of BLE and effective Zone A in the Texas study area, the following vertical and horizontal tolerances were used to conduct the modified FBS procedure. One point was placed every 200 feet along the floodplain boundaries for comparison.

- Vertical Tolerance: +/- 10 feet (one-half contour interval of assumed effective topographic source).
- Horizontal Tolerance: +/- 75 feet (standard horizontal tolerance for BLE comparison testing).

Of the 849 modeled BLE streams in the study area, 249 were found to correspond (within the tolerance limits) with effective Zone A flood zones. Comparison results for these streams were grouped at the HUC-12 level and are summarized in **Table 9** to better understand the general health of the HUC-12 watershed, but the validation check was performed at the stream level. Streams where the percentage of passing FBS sample points is greater than or equal to 85% are marked as “Pass”, otherwise marked as “Fail”.

Table 9: HUC-12 Zone A Validation Results

HUC-12 Watershed		Total FBS points	Fail	Pass	%Pass	BLE Comparison Pass? (>85%)	Priority Score
Watershed Name	Watershed Number						
Navasota	All Streams	163,558	66,695	96,863	59%	Fail	
Grays Branch-Navasota River	120701030101	4,394	1,778	2,616	60%	Fail	27.9
Christmas Creek	120701030102	4,176	1,756	2,420	58%	Fail	33.6
Mustang Creek-Navasota River	120701030103	4,066	1,818	2,248	55%	Fail	35.8
Cedar Creek-Navasota River	120701030104	5,130	1,900	3,230	63%	Fail	25.4
Plummers Creek	120701030105	3,174	990	2,184	69%	Fail	15.8
Baines Creek-Navasota River	120701030106	3,242	756	2,486	77%	Fail	16.6
Faulkenberry Creek	120701030107	5,258	2,404	2,854	54%	Fail	36.6
Pin Oak Creek-Navasota River	120701030108	2,118	836	1,282	61%	Fail	23.1
Headwaters Steele Creek	120701030201	5,022	2,428	2,594	52%	Fail	38.6
Upper Steele Creek	120701030202	3,898	1,454	2,444	63%	Fail	29.6
Middle Steele Creek	120701030203	5,000	2,474	2,526	51%	Fail	37.2
Lower Steele Creek	120701030204	6,862	2,104	4,758	69%	Fail	15.3
Holman Creek	120701030301	7,186	3,943	3,243	45%	Fail	36.5
Montgomery Creek-Navasota River	120701030302	2,778	1,560	1,218	44%	Fail	40.2
Sanders Creek	120701030303	2,973	1,277	1,696	57%	Fail	34.4
Dooley Creek-Navasota River	120701030304	2,914	1,680	1,234	42%	Fail	46.1
Big Creek	120701030305	4,108	1,368	2,740	67%	Fail	25.2
Lambs Creek	120701030306	1,552	590	962	62%	Fail	29.5
Birch Creek	120701030307	852	212	640	75%	Fail	12.4
Running Branch-Navasota River	120701030308	6,769	3,437	3,332	49%	Fail	35.3
Mill Creek-Navasota River	120701030309	6,249	3,212	3,037	49%	Fail	25.8
Upper Brushy Creek	120701030401	1,102	178	924	84%	Fail	12.7
Lower Brushy Creek	120701030402	1,229	79	1,150	94%	Pass	5.1
Upper Duck Creek	120701030403	5,500	2,386	3,114	57%	Fail	29.1
Mineral Creek	120701030404	5,420	1,294	4,126	76%	Fail	11.9
Middle Duck Creek	120701030405	3,734	956	2,778	74%	Fail	12.8
Lower Duck Creek	120701030406	2,800	618	2,182	78%	Fail	11.0
Red Oak Creek-Navasota River	120701030407	4,061	2,341	1,720	42%	Fail	35.6
Camp Creek Lake-Camp Creek	120701030502	4,298	1,364	2,934	68%	Fail	15.9
Clear Creek-Navasota River	120701030503	3,133	2,009	1,124	36%	Fail	36.0
West Caney Creek	120701030504	281	91	190	68%	Fail	25.9
Running Creek-Navasota River	120701030505	5,085	2,538	2,547	50%	Fail	30.6
Little Cedar Creek	120701030506	2,415	889	1,526	63%	Fail	26.3
Upper Cedar Creek	120701030507	6,056	1,647	4,409	73%	Fail	14.6
Lower Cedar Creek	120701030508	3,583	1,302	2,281	64%	Fail	32.2



HUC-12 Watershed		Total FBS	Fail	Pass	%Pass	BLE	Priority
Carter Creek-Navasota River	120701030510	502	164	338	67%	Fail	41.6
Ragan Creek-Navasota River	120701030601	2,514	899	1,615	64%	Fail	29.8
Upper Wickson Creek	120701030602	1,122	357	765	68%	Fail	28.6
Lower Wickson Creek	120701030603	2,239	512	1,727	77%	Fail	20.6
Bull Creek-Navasota River	120701030604	2,579	1,265	1,314	51%	Fail	39.6
Upper Gibbons Creek	120701030701	1,087	404	683	63%	Fail	31.4
Bee Creek-Carters Creek	120701030702	209	56	153	73%	Fail	20.2
Panther Creek	120701030703	833	300	533	64%	Fail	28.8
Carters Creek-Navasota River	120701030704	407	206	201	49%	Fail	32.6
Middle Gibbons Creek	120701030705	3,247	1,280	1,967	61%	Fail	33.0
Lower Gibbons Creek	120701030706	1,521	791	730	48%	Fail	43.1
Lick Creek-Navasota River	120701030707	1,568	607	961	61%	Fail	28.2
Rocky Creek	120701030801	2,086	673	1,413	68%	Fail	25.6
Holland Creek	120701030802	3,165	1,360	1,805	57%	Fail	33.5
Turkey Creek-Navasota River	120701030803	1,786	811	975	55%	Fail	40.4
Big Creek-Navasota River	120701030804	2,275	1,341	934	41%	Fail	52.4

3.1.6 Validation Results

Based on the validation assessments and BLE comparison results described above, the CNMS inventory of Zone A studies in the Navasota Watershed has been updated as summarized in **Table 10** and illustrated in **Figure 8** below. The priority scores are illustrated in **Figure 9**.

Table 10: Aggregated Zone A Validation Results

Validation Status	Status Type	Total Miles
Valid	Being Studied	348.2
Unverified	Being Studied	1,634.5

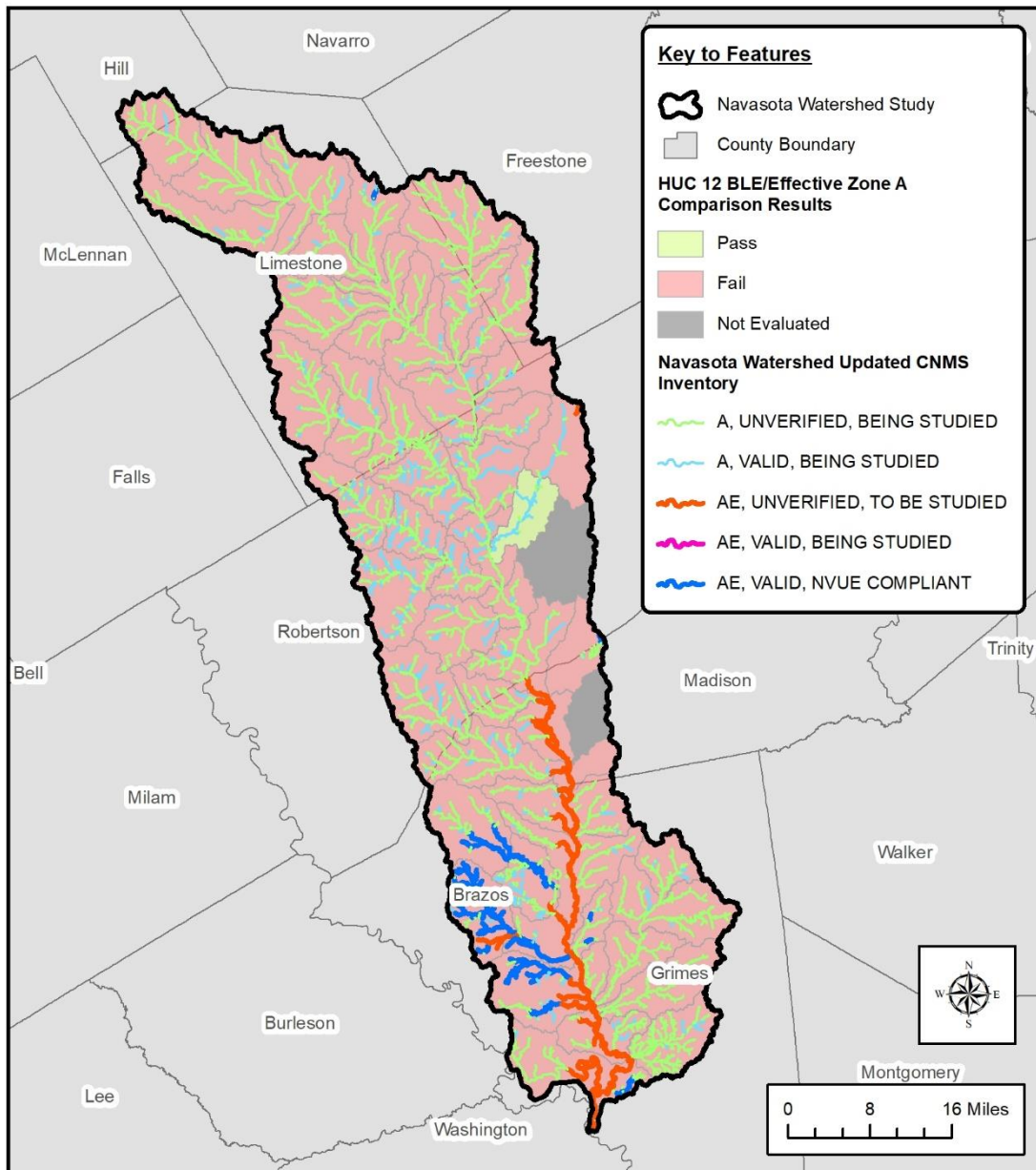


Figure 8: Navasota Watershed CNMS Validation Result

An overall risk for each HUC-12 watershed was calculated using the National Flood Risk Percentages Dataset and its proportional area. The weighted risk was multiplied by the percentage of points in the watershed that failed the CNMS comparison to effective to determine the priority score. **Figure 9** below shows the range of the Navasota Watershed HUC-08 priority scores which can be used to initiate discussions during the Discovery phase.

Big Creek-Navasota River HUC-12 was determined to have the highest priority score and the most need, and Lower Brushy Creek HUC-12 had the lowest score.

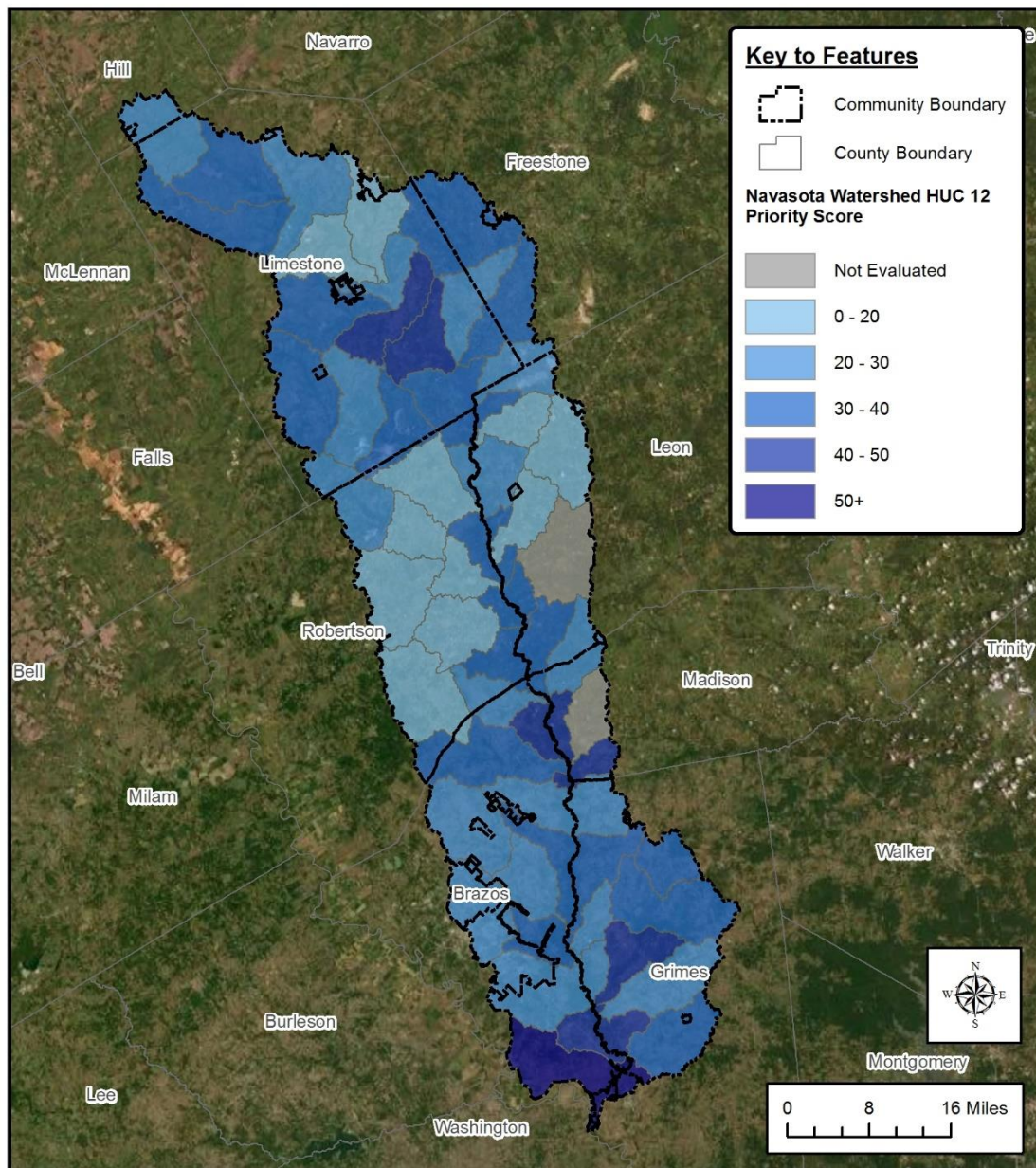


Figure 9: Ranking of Navasota Watershed HUC-12s



3.2 Flood Risk Analysis

A flood risk analysis was performed for this project. The updated 1-percent annual chance grid (known as the 'refined' grid) was used to perform the flood risk analysis to produce the flood losses. The refined grid loss results are stored in the S_FRAC_Ar feature class.

Hazus version 4.2 was used for the basic and refined loss analysis.

The losses are reported via census blocks. It is important to note that Hazus version 4.2 uses dasymetric census blocks. Dasymetric mapping removes undeveloped areas (such as areas covered by other bodies of water, wetlands, or forests) from the Census blocks, changing their shape and reducing their size in these areas. For more information on dasymetric data visit FEMA's [Media Library](#) for the [Hazus-MH Data Inventories: Dasymetric vs. Homogenous](#), or [Hazus 3.0 Dasymetric Data Overview](#).

Hazus analysis was performed on a watershed level for the study area extents to ensure proper model processing. A summary of results per county for the 1-percent annual chance event scenarios are shown in **Table 11**.

Table 11: Hazus 4.2 Results for 1-Percent Annual Chance Scenario for Navasota

County	Full Replacement - Total Loss	Dollar Exposure (Replacement Value) - Buildings	Dollar Exposure (Replacement Value) - Contents
Brazos	\$380,248,000	\$14,670,271,000	\$8,941,632,000
Freestone	\$5,344,000	\$381,019,000	\$210,443,000
Grimes	\$54,132,000	\$1,009,701,000	\$623,013,000
Hill	\$488,000	\$60,078,000	\$33,428,000
Leon	\$18,707,000	\$481,553,000	\$279,680,000
Limestone	\$58,742,000	\$1,805,664,000	\$1,095,178,000
Madison	\$3,765,000	\$103,288,000	\$58,978,000
Robertson	\$22,545,000	\$498,530,000	\$273,120,000
Total	\$543,971,000	\$19,010,104,000	\$11,515,472,000



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Appendix A Summary of Peak Qs

Table A-1: Summary of Hydrology

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
Navasota River Mainstem (NVST)				
NAVASOTA RIVER	19.79812	13101	9688	17718
NAVASOTA RIVER	50.80726	22813	16869	30852
NAVASOTA RIVER	88.34922	30272	22384	40940
NAVASOTA RIVER	102.35351	32797	24251	44355
NAVASOTA RIVER	158.81865	43460	32136	58775
NAVASOTA RIVER	196.81899	47242	34932	63889
NAVASOTA RIVER	238.62554	56277	41613	76108
NAVASOTA RIVER	311.2518	64121	47413	86716
NAVASOTA RIVER	363.5411	69827	51632	94433
NAVASOTA RIVER	420.60148	71816	53103	97123
NAVASOTA RIVER	436.88449	72616	53694	98204
NAVASOTA RIVER	551.867	85331	63097	115401
NAVASOTA RIVER	597.84915	89722	66343	121338
NAVASOTA RIVER	675.95118	93238	68944	126094
NAVASOTA RIVER	731.51016	103211	76318	139581
NAVASOTA RIVER	942.6772	118292	87469	159976
NAVASOTA RIVER	1019.03072	123431	91269	166926
NAVASOTA RIVER	1180.86275	131815	97468	178264
NAVASOTA RIVER	1245.52495	136171	100690	184156
NAVASOTA RIVER	1293.3191	137366	101573	185772
NAVASOTA RIVER	1339.3398	136247	100746	184259
NAVASOTA RIVER	1427.74183	133045	98378	179928
NAVASOTA RIVER	1593.80646	133072	98398	179964
NAVASOTA RIVER	1652.23424	132113	97689	178668
NAVASOTA RIVER	1707.47948	130804	96721	176897
NAVASOTA RIVER	1800.7264	131985	97594	178494
NAVASOTA RIVER	1887.64518	131798	97456	178241
NAVASOTA RIVER	1948.38581	131643	97341	178032
NAVASOTA RIVER	2066.63405	134461	99425	181843
NAVASOTA RIVER	2142.90969	134908	99756	182448
NAVASOTA RIVER	2190.4035	134561	99499	181979
NAVASOTA RIVER	2213.55637	132377	97884	179024
Christmas Creek – Navasota River (CHRS)				
BARGER BRANCH	1.09978	714	528	966

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BARGER BRANCH	2.07643	1091	806	1475
BARGER BRANCH	2.57117	1232	911	1666
BARGER BRANCH	8.73795	3494	2584	4726
BARGER BRANCH	10.77877	3962	2930	5358
BARGER BRANCH	11.38139	4056	2999	5485
BARGER BRANCH	14.03425	4567	3377	6176
BARGER BRANCH	14.40794	4567	3377	6177
BIG CREEK	1.06722	530	392	717
BIG CREEK	2.81975	1022	756	1382
BIG CREEK	3.79837	1237	914	1673
BOARD CREEK	1.55762	873	646	1181
BOARD CREEK	1.73504	895	662	1210
BOARD CREEK	2.52875	1190	880	1610
BOARD CREEK	2.89633	1269	938	1716
BOARD CREEK	3.32166	1424	1053	1926
BOARD CREEK	7.19939	2403	1777	3250
BOARD CREEK	8.34876	2636	1949	3565
CEDAR CREEK	1.05485	733	542	992
CEDAR CREEK	2.04872	1173	868	1587
CEDAR CREEK	2.56881	1313	971	1776
CEDAR CREEK	3.65193	1673	1237	2263
CEDAR CREEK	4.17976	1813	1341	2452
CEDAR CREEK	4.24542	1780	1316	2407
CEDAR CREEK	6.28865	2428	1795	3284
CEDAR CREEK	7.21293	2559	1892	3460
CEDAR CREEK	8.72528	3022	2235	4087
CEDAR CREEK	9.71612	3122	2308	4222
CEDAR CREEK	10.94844	3372	2494	4561
CEDAR CREEK	11.77264	3364	2488	4550
CHRISTMAS CREEK	1.32391	620	459	839
CHRISTMAS CREEK	1.96451	799	591	1081
CHRISTMAS CREEK	2.91139	1063	786	1437
CHRISTMAS CREEK	3.91163	1321	977	1787
CHRISTMAS CREEK	4.41919	1421	1051	1922
CHRISTMAS CREEK	9.05262	2264	1674	3061
CHRISTMAS CREEK	9.61129	2350	1738	3178
CHRISTMAS CREEK	10.87594	2579	1907	3488
CHRISTMAS CREEK	11.56442	2702	1998	3654

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CHRISTMAS CREEK	12.50574	2799	2070	3786
CHRISTMAS CREEK	13.46464	2965	2192	4010
CHRISTMAS CREEK	14.46424	2994	2214	4049
CHRISTMAS CREEK	15.51891	3114	2303	4211
CHRISTMAS CREEK	15.89707	3230	2388	4368
CHRISTMAS CREEK	16.98385	3293	2435	4454
CHRISTMAS CREEK	21.76739	3933	2909	5320
CHRISTMAS CREEK	22.58328	4008	2964	5421
CHRISTMAS CREEK	26.95147	4610	3409	6234
CHRISTMAS CREEK	29.92119	4812	3558	6507
CHRISTMAS CREEK	32.00698	5215	3856	7053
CHRISTMAS CREEK	32.43506	5197	3843	7028
CHRISTMAS CREEK	36.44179	5620	4156	7601
CHRISTMAS CREEK	38.00181	5784	4277	7822
CHRISTMAS CREEK	40.91752	5900	4363	7979
CHRISTMAS CREEK	41.47602	6003	4439	8119
CHRISTMAS CREEK	43.75682	6179	4569	8357
CHRISTMAS CREEK	44.52121	6141	4541	8306
CHRISTMAS CREEK	45.20543	6336	4685	8569
CHRISTMAS CREEK	51.08337	6828	5049	9234
CHRISTMAS CREEK	52.32017	6735	4980	9108
GRAYS BRANCH	1.00212	536	396	725
GRAYS BRANCH	1.9916	842	622	1138
GRAYS BRANCH	2.405	954	705	1290
GRAYS BRANCH	2.96502	1135	839	1535
GRAYS BRANCH	3.86034	1305	965	1765
GRAYS BRANCH	4.62531	1538	1137	2080
GRAYS BRANCH	5.3007	1633	1207	2208
JACKS CREEK	1.41145	967	715	1308
JACKS CREEK	1.69002	1067	789	1443
JACKS CREEK	2.5848	1459	1079	1973
JACKS CREEK	2.85606	1480	1094	2001
JACKS CREEK	3.83855	1739	1286	2352
JACKS CREEK	4.14864	1815	1342	2455
JACKS CREEK	4.23473	1811	1339	2449
JACKS CREEK	6.02913	2303	1703	3114
JACKS CREEK	11.2015	3762	2782	5088
JACKS CREEK	12.93699	4075	3013	5511

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
JACKS CREEK	14.22499	4375	3235	5917
JACKS CREEK	15.62195	4709	3482	6369
MUSTANG CREEK	1.04491	695	514	940
MUSTANG CREEK	1.69653	990	732	1339
MUSTANG CREEK	2.0185	1039	768	1405
MUSTANG CREEK	3.01694	1314	971	1777
MUSTANG CREEK	3.6887	1512	1118	2044
MUSTANG CREEK	6.40236	2349	1737	3177
MUSTANG CREEK	6.73909	2359	1744	3190
MUSTANG CREEK	10.31668	3085	2281	4172
MUSTANG CREEK	11.22912	3096	2289	4186
MUSTANG CREEK	14.84805	3735	2762	5051
PIN OAK CREEK	1.36746	648	479	877
PIN OAK CREEK	1.97554	783	579	1058
PIN OAK CREEK	4.12488	1471	1088	1990
PIN OAK CREEK	4.61522	1520	1124	2055
PIN OAK CREEK	5.05522	1605	1187	2171
PIN OAK CREEK	6.66807	1860	1376	2516
PIN OAK CREEK	7.66758	2011	1487	2720
PIN OAK CREEK 2	1.34818	747	552	1010
PIN OAK CREEK 2	1.75154	890	658	1204
PIN OAK CREEK 2	2.69825	1226	906	1657
PIN OAK CREEK 2	3.65406	1475	1091	1995
PIN OAK CREEK 2	4.62094	1694	1253	2291
PIN OAK CREEK 2	5.01399	1797	1329	2431
PIN OAK CREEK 2	5.26158	1806	1335	2442
PIN OAK CREEK 2	9.42475	2926	2164	3957
PIN OAK CREEK 2	13.23128	3533	2613	4778
PLUMMERS CREEK	1.08462	508	375	687
PLUMMERS CREEK	2.00854	776	574	1049
PLUMMERS CREEK	3.00797	1079	798	1459
PLUMMERS CREEK	3.89504	1321	976	1786
PLUMMERS CREEK	4.88147	1567	1159	2119
PLUMMERS CREEK	6.81325	2007	1484	2714
PLUMMERS CREEK	7.65449	2188	1618	2960
PLUMMERS CREEK	7.84762	2234	1652	3022
PLUMMERS CREEK	10.26915	2745	2030	3713
PLUMMERS CREEK	13.24081	3244	2399	4387

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
PLUMMERS CREEK	14.56719	3468	2564	4690
PLUMMERS CREEK	18.4825	4177	3089	5649
PLUMMERS CREEK	28.00833	5582	4128	7550
PLUMMERS CREEK	30.04755	5726	4234	7743
PLUMMERS CREEK	30.30733	5644	4173	7633
PLUMMERS CREEK	32.82317	5831	4312	7886
PLUMMERS CREEK	38.90449	6531	4829	8832
PLUMMERS CREEK	39.7105	6585	4869	8906
PLUMMERS CREEK	40.38422	6713	4964	9079
ROCKY CREEK	1.30153	775	573	1048
ROCKY CREEK	2.46252	1171	866	1583
ROCKY CREEK	2.93462	1339	990	1811
ROCKY CREEK	3.70314	1493	1104	2019
ROCKY CREEK	4.70619	1832	1355	2478
SANDY CREEK	1.01073	491	363	664
SANDY CREEK	2.66255	989	732	1338
SANDY CREEK	5.23416	1682	1244	2275
SANDY CREEK	5.80136	1698	1255	2296
SANDY CREEK	6.72028	1926	1424	2605
SANDY CREEK	12.13601	3067	2268	4148
SANDY CREEK	16.05422	3592	2656	4858
SANDY CREEK	17.08195	3734	2761	5050
SANDY CREEK	17.41967	3736	2762	5052
SANDY CREEK	17.86132	3719	2750	5030
SANDY CREEK	17.95709	3735	2762	5052
TURKEY CREEK	0.55365	339	251	459
TURKEY CREEK	1.0457	559	413	756
TURKEY CREEK	1.85739	816	604	1104
UNT0001 IN CHRS	1.81772	950	703	1285
UNT0001 IN CHRS	2.16583	1016	751	1374
UNT0001 IN CHRS	3.15952	1314	971	1777
UNT0001 IN CHRS	3.81756	1539	1138	2082
UNT0001 IN CHRS	4.00848	1527	1129	2065
UNT0001 IN CHRS	4.15716	1536	1136	2077
UNT0001 IN CHRS	4.81629	1733	1281	2344
UNT0004 IN CHRS	0.68673	418	309	565
UNT0004 IN CHRS	1.13941	774	572	1047
UNT0004 IN CHRS	1.90999	971	718	1313

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0004 IN CHRS	2.6291	1284	949	1737
UNT0005 IN CHRS	1.00651	584	432	789
UNT0005 IN CHRS	1.98379	973	720	1316
UNT0005 IN CHRS	2.22463	1044	772	1412
UNT0008 IN CHRS	1.16618	647	478	874
UNT0008 IN CHRS	1.48293	785	580	1062
UNT0008 IN CHRS	1.60447	823	608	1112
UNT0008 IN CHRS	1.73315	823	609	1113
UNT0008 IN CHRS	2.30017	1079	798	1459
UNT0008 IN CHRS	2.53386	1112	822	1504
UNT0008 IN CHRS	3.52603	1372	1015	1856
UNT0008 IN CHRS	3.96194	1440	1065	1947
UNT0011 IN CHRS	1.39929	694	513	938
UNT0011 IN CHRS	1.76893	764	565	1033
UNT0011 IN CHRS	3.22723	1269	938	1716
UNT0012 IN CHRS	1.28325	647	478	874
UNT0013 IN CHRS	1.27545	757	560	1024
UNT0013 IN CHRS	2.06038	962	711	1301
UNT0013 IN CHRS	2.89929	1297	959	1755
UNT0014 IN CHRS	1.05826	564	417	762
UNT0014 IN CHRS	2.00245	914	675	1235
UNT0014 IN CHRS	3.29359	1235	913	1670
UNT0014 IN CHRS	4.42134	1444	1067	1952
UNT0014 IN CHRS	4.68275	1546	1143	2090
UNT0016 IN CHRS	1.09933	499	369	675
UNT0016 IN CHRS	1.53524	626	463	847
UNT0016 IN CHRS	2.82988	1060	784	1433
UNT0016 IN CHRS	3.27897	1119	827	1513
UNT0016 IN CHRS	4.12624	1305	965	1765
UNT0016 IN CHRS	5.11749	1584	1171	2142
UNT0016 IN CHRS	5.60506	1708	1263	2310
UNT0019 IN CHRS	1.3655	746	552	1009
UNT0019 IN CHRS	1.86811	932	689	1261
UNT0020 IN CHRS	0.99786	609	450	824
UNT0020 IN CHRS	1.8656	1050	776	1419
UNT0020 IN CHRS	2.61107	1254	928	1697
UNT0021 IN CHRS	1.14789	712	527	963
UNT0021 IN CHRS	2.34276	1171	866	1584



Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0021 IN CHRS	2.96601	1316	973	1779
UNT0021 IN CHRS	3.29601	1389	1027	1879
UNT0022 IN CHRS	1.22048	657	486	889
UNT0022 IN CHRS	2.04132	919	680	1243
UNT0022 IN CHRS	2.86351	1173	867	1587
UNT0022 IN CHRS	4.11463	1517	1122	2052
UNT0022 IN CHRS	4.35167	1532	1133	2071
UNT0022 IN CHRS	5.49305	1742	1288	2356
UNT0022 IN CHRS	6.32156	1835	1357	2481
UNT0022 IN CHRS	6.98417	1891	1398	2557
UNT0024 IN CHRS	1.15349	702	519	949
UNT0024 IN CHRS	2.03051	1131	836	1530
UNT0024 IN CHRS	2.96529	1360	1005	1839
UNT0024 IN CHRS	3.75039	1455	1076	1967
UNT0024 IN CHRS	4.41677	1602	1184	2166
UNT00253 IN CHRS	0.48676	316	234	427
UNT00253 IN CHRS	0.80932	493	365	667
UNT00255 IN CHRS	0.46326	340	252	460
UNT00264 IN CHRS	0.41264	302	223	408
UNT0027 IN CHRS	1.0718	568	420	768
UNT0027 IN CHRS	1.97151	913	675	1235
UNT0027 IN CHRS	2.58336	1116	825	1509
UNT0027 IN CHRS	3.40635	1347	996	1821
UNT0027 IN CHRS	3.47151	1285	950	1738
UNT00270 IN CHRS	1.00077	518	383	700
UNT00270 IN CHRS	1.3115	621	459	840
UNT00270 IN CHRS	1.80865	827	611	1118
UNT00277 IN CHRS	0.45026	328	243	444
UNT00278 IN CHRS	0.18437	123	91	166
UNT00278 IN CHRS	0.44586	281	208	381
UNT0029 IN CHRS	1.35529	618	457	835
UNT0029 IN CHRS	1.87251	758	560	1025
UNT0029 IN CHRS	2.82477	958	708	1296
UNT0029 IN CHRS	3.64637	1094	809	1480
UNT0030 IN CHRS	1.14659	542	401	733
UNT0032 IN CHRS	1.41588	687	508	929
UNT0032 IN CHRS	1.91717	828	612	1120
UNT0032 IN CHRS	2.40966	906	670	1226

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0032 IN CHRS	3.33914	1146	847	1549
UNT0033 IN CHRS	1.14768	519	384	702
UNT0033 IN CHRS	1.97994	763	564	1032
UNT0033 IN CHRS	2.11194	777	574	1050
UNT0033 IN CHRS	2.49122	878	649	1187
UNT0035 IN CHRS	1.08555	502	371	679
UNT0035 IN CHRS	1.51919	637	471	861
UNT0035 IN CHRS	2.48212	971	718	1313
UNT0036 IN CHRS	1.20263	597	442	808
UNT0037 IN CHRS	1.43991	928	686	1256
UNT0037 IN CHRS	1.64778	963	712	1303
UNT0039 IN CHRS	1.0492	655	484	886
UNT0039 IN CHRS	1.4461	757	560	1024
UNT00396 IN CHRS	0.74644	428	316	579
UNT0040 IN CHRS	1.4674	718	531	972
UNT0040 IN CHRS	2.38572	1006	744	1361
UNT0040 IN CHRS	3.23404	1142	844	1544
UNT0040 IN CHRS	4.2263	1385	1024	1873
UNT0040 IN CHRS	5.33101	1664	1231	2251
UNT0044 IN CHRS	0.9537	460	340	622
UNT0044 IN CHRS	1.56779	667	493	902
UNT0045 IN CHRS	1.12217	588	435	796
UNT0045 IN CHRS	1.40629	696	514	941
UNT0045 IN CHRS	1.65469	768	568	1039
UNT0045 IN CHRS	2.6021	1082	800	1464
UNT0045 IN CHRS	3.05021	1145	846	1548
UNT0045 IN CHRS	4.03375	1430	1058	1934
UNT0047 IN CHRS	1.00642	498	368	674
UNT0047 IN CHRS	1.63863	724	535	979
UNT0047 IN CHRS	1.85816	788	583	1066
UNT0047 IN CHRS	2.62551	1022	755	1382
UNT0049 IN CHRS	1.39382	718	531	970
UNT0049 IN CHRS	2.56632	1194	883	1615
UNT0049 IN CHRS	2.66864	1187	878	1605
UNT0049 IN CHRS	3.5888	1494	1105	2020
UNT0049 IN CHRS	3.97315	1585	1172	2144
UNT0049 IN CHRS	4.71436	1666	1232	2253
UNT00501 IN CHRS	0.92602	450	333	609

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0058 IN CHRS	1.36737	870	643	1176
UNT0060 IN CHRS	1.45121	1019	753	1378
UNT0060 IN CHRS	2.25174	1370	1013	1852
UNT0060 IN CHRS	2.81257	1510	1117	2043
UNT0060 IN CHRS	4.54976	2172	1606	2938
UNT0060 IN CHRS	5.66604	2555	1889	3455
UNT00603 IN CHRS	1.00149	476	352	643
UNT00603 IN CHRS	1.49444	624	461	844
UNT00608 IN CHRS	0.63526	386	285	522
UNT0061 IN CHRS	1.26917	932	689	1261
UNT0061 IN CHRS	1.57819	1015	751	1373
UNT0062 IN CHRS	1.06561	601	444	812
UNT0064 IN CHRS	1.05689	694	513	938
UNT0064 IN CHRS	1.23205	735	543	994
UNT0065 IN CHRS	1.37122	882	652	1193
UNT0065 IN CHRS	1.65917	961	711	1300
UNT0066 IN CHRS	1.19027	777	574	1050
UNT0066 IN CHRS	2.17785	1204	891	1629
UNT0068 IN CHRS	1.03647	655	485	886
UNT0068 IN CHRS	1.18237	731	540	988
UNT0068 IN CHRS	2.84315	1587	1173	2146
UNT0068 IN CHRS	3.63552	1893	1400	2560
UNT0068 IN CHRS	4.15277	1922	1421	2599
UNT0068 IN CHRS	5.09185	2041	1509	2760
UNT00680 IN CHRS	0.37439	253	187	342
UNT0069 IN CHRS	1.13798	697	516	943
UNT00695 IN CHRS	0.80044	423	313	572
UNT0074 IN CHRS	1.00535	613	453	829
UNT0074 IN CHRS	2.00451	1038	768	1404
UNT0074 IN CHRS	2.18422	1075	795	1453
UNT0075 IN CHRS	1.33168	778	575	1052
UNT0075 IN CHRS	2.17778	1119	827	1513
UNT0075 IN CHRS	3.69255	1704	1260	2304
UNT0076 IN CHRS	1.11218	658	486	890
UNT0076 IN CHRS	2.42427	1219	901	1648
UNT0076 IN CHRS	3.30936	1431	1058	1936
UNT0076 IN CHRS	4.14608	1604	1186	2170
UNT0076 IN CHRS	6.42298	2190	1619	2961

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0076 IN CHRS	6.99296	2362	1746	3194
UNT0076 IN CHRS	8.92506	2834	2095	3832
UNT00763 IN CHRS	1.01539	771	570	1043
UNT00763 IN CHRS	1.17969	812	601	1099
UNT0077 IN CHRS	1.08449	632	468	855
UNT0078 IN CHRS	1.17527	720	532	973
UNT0078 IN CHRS	1.46045	825	610	1116
UNT0080 IN CHRS	1.01925	656	485	887
UNT0080 IN CHRS	2.00908	1065	787	1440
UNT0080 IN CHRS	2.49871	1196	884	1617
UNT00804 IN CHRS	0.86662	443	328	599
UNT00804 IN CHRS	1.00212	519	384	702
UNT0081 IN CHRS	1.81936	880	651	1191
UNT0081 IN CHRS	2.13448	1030	762	1393
UNT0081 IN CHRS	2.58569	1209	894	1635
UNT0081 IN CHRS	2.85454	1270	939	1717
UNT0081 IN CHRS	3.76331	1644	1216	2223
UNT0081 IN CHRS	4.68149	1902	1406	2572
UNT0081 IN CHRS	5.54928	1970	1457	2665
UNT00822 IN CHRS	1.00024	566	418	765
UNT00822 IN CHRS	1.42297	730	540	988
UNT0083 IN CHRS	0.45941	325	241	440
UNT0083 IN CHRS	0.89639	528	390	714
UNT0083 IN CHRS	1.46171	761	563	1029
UNT0083 IN CHRS	3.0685	1306	966	1766
UNT0083 IN CHRS	4.15757	1626	1202	2198
UNT0083 IN CHRS	5.21981	1915	1416	2589
UNT0085 IN CHRS	1.35069	733	542	992
UNT0085 IN CHRS	1.45776	747	552	1010
UNT0085 IN CHRS	2.2999	1049	775	1418
UNT0085 IN CHRS	2.98197	1227	907	1659
UNT0085 IN CHRS	3.80599	1472	1088	1990
UNT0085 IN CHRS	4.03475	1531	1132	2070
UNT0086 IN CHRS	1.17905	707	523	956
UNT0086 IN CHRS	2.48319	1218	901	1647
UNT00921 IN CHRS	0.3743	317	235	429
UNT00946 IN CHRS	1.0153	531	393	719
UNT00953 IN CHRS	0.78586	470	348	636

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT00953 IN CHRS	1.38783	732	542	990
UNT00953 IN CHRS	2.22362	1041	770	1408
UNT00955 IN CHRS	0.28943	227	168	308
UNT00957 IN CHRS	0.47634	319	236	431
UNT00975 IN CHRS	0.85162	521	385	704
UNT01041 IN CHRS	0.38282	267	197	361
UNT01041 IN CHRS	0.61275	391	289	529
Steele Creek (STEL)				
ALLIGATOR CREEK	1.00113	1752	1296	2370
ALLIGATOR CREEK	1.90667	2617	1935	3540
BEAR CREEK EAST	1.15035	3322	2457	4493
BEAR CREEK EAST	1.78749	4255	3147	5755
BEAR CREEK EAST	2.63914	5818	4302	7868
BEAR CREEK EAST	4.01581	7371	5451	9969
BEAR CREEK EAST	5.04196	8108	5996	10966
BEAR CREEK EAST	6.40126	8733	6457	11810
BEAR CREEK EAST TRIB 3	0.36947	1054	779	1425
BEAR CREEK EAST TRIB 4	0.82581	2104	1556	2846
BEAR CREEK EAST TRIB 6	0.25867	892	660	1206
BEAR CREEK EAST TRIB 6	0.57867	1851	1369	2503
BEAR CREEK EAST TRIB 6 1	0.24223	834	616	1127
BEAR CREEK EAST TRIB 7	0.8243	2131	1575	2881
BIG ELM CREEK	1.07314	1608	1189	2174
BIG ELM CREEK	1.92762	2400	1775	3246
BIG ELM CREEK	5.63237	6140	4540	8303
BIG ELM CREEK	7.24598	6943	5134	9389
BIG ELM CREEK	8.27901	7611	5628	10293
BIG ELM CREEK	9.18646	7515	5557	10163
BRIER CREEK	1.00089	1901	1406	2571
BRIER CREEK	1.96126	3270	2418	4423
BRIER CREEK	2.80874	4097	3030	5541
BRIER CREEK	3.82094	4522	3344	6116
BUTLET BRANCH	1.32674	2021	1495	2734
COLES BRANCH	0.47735	1778	1315	2405
COLES BRANCH	1.44077	3699	2735	5003
COLES BRANCH	2.16869	4323	3197	5847
COX CREEK	0.93298	1825	1350	2468
COX CREEK	1.96747	3369	2491	4557

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
COX CREEK	3.0451	4885	3612	6606
COX CREEK	4.21612	5984	4425	8093
COX CREEK	5.29855	6635	4906	8973
COX CREEK	6.70905	7374	5453	9973
COX CREEK	8.0883	7645	5653	10339
COX CREEK	9.15845	8418	6225	11385
DAVIS CREEK	1.33029	2177	1610	2945
DAVIS CREEK	2.14329	3142	2323	4249
DAVIS CREEK	2.84282	3739	2765	5056
DAVIS CREEK	5.01271	5759	4259	7789
DAVIS CREEK	5.68341	5900	4363	7980
DAVIS CREEK	6.64955	6833	5052	9241
DAVIS CREEK	7.70208	7238	5352	9788
DAVIS CREEK	8.71343	7523	5563	10174
DAVIS CREEK	9.69565	8008	5921	10829
DAVIS CREEK	13.911	10828	8006	14643
DAVIS CREEK	16.07549	11642	8608	15744
DAVIS CREEK	21.92693	13996	10349	18928
DAVIS CREEK	22.29393	14258	10543	19282
DAVIS CREEK	23.88468	14675	10851	19846
DAVIS CREEK	26.24313	15194	11235	20548
EATON BRANCH	1.03613	1767	1307	2390
EATON BRANCH	1.98839	2779	2055	3759
EATON BRANCH	2.58737	3265	2414	4416
GENTRY CREEK	1.14937	1853	1370	2506
GENTRY CREEK	2.4768	3593	2657	4859
GENTRY CREEK	5.36208	6111	4518	8264
GENTRY CREEK	6.0938	6297	4656	8516
GENTRY CREEK	7.07509	7141	5280	9657
GENTRY CREEK	7.72924	7751	5731	10482
GENTRY CREEK	8.7553	8199	6062	11088
GENTRY CREEK	9.27344	8302	6138	11227
GENTRY CREEK	14.21461	11397	8427	15413
HEADS CREEK	1.35966	2368	1751	3203
HEADS CREEK	3.57813	4463	3300	6035
HEADS CREEK	5.63541	5900	4362	7978
HEADS CREEK	7.88124	8466	6260	11450
HEADS CREEK TRIB 2	0.41914	1045	773	1413

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
HEADS CREEK TRIB 2	1.19218	3817	2823	5163
HEADS CREEK TRIB 2	1.5691	4263	3152	5765
HEADS CREEK TRIB 2	2.02502	4470	3305	6045
HEADS CREEK TRIB 3	1.11327	1900	1405	2569
HEADS CREEK TRIB 4	0.92682	1494	1105	2020
HEADS CREEK TRIB 5	0.41696	828	613	1120
HEADS CREEK TRIB 5	1.40871	2269	1678	3068
HEADS CREEK TRIB 7	0.81365	1477	1092	1997
MILLS CREEK	0.88607	1540	1139	2082
MILLS CREEK	3.00026	3759	2780	5084
MILLS CREEK	3.21591	3690	2729	4990
MILLS CREEK	4.27867	4437	3281	6000
MOSS SPRINGS BRANCH	1.02974	2309	1707	3123
MOSS SPRINGS BRANCH	2.02244	3836	2837	5188
MOSS SPRINGS BRANCH	3.12079	4832	3573	6535
MOSS SPRINGS BRANCH	4.06184	5499	4066	7437
MULBERRY CREEK	0.73962	1540	1139	2083
MULBERRY CREEK	2.32573	3683	2723	4980
MULBERRY CREEK	2.89398	4111	3040	5560
MULBERRY CREEK	3.93495	4948	3659	6692
MULBERRY CREEK	4.80504	5790	4281	7830
MULBERRY CREEK	7.89183	8397	6209	11356
MULBERRY CREEK TRIB 2	0.25835	659	487	891
MULBERRY CREEK TRIB 3	0.42829	858	634	1160
MULBERRY CREEK TRIB 3	0.70422	1353	1000	1829
MULBERRY CREEK TRIB 4	0.85064	1570	1161	2123
MULBERRY CREEK TRIB 5	0.36471	875	647	1184
NANCE BRANCH	1.71372	2225	1645	3009
NANCE BRANCH	2.70086	2834	2096	3833
NANCE BRANCH	3.71234	3629	2683	4908
OWENS CREEK	1.00113	1678	1241	2270
OWENS CREEK	1.91389	2975	2200	4023
OWENS CREEK	2.91292	3796	2807	5134
OWENS CREEK	3.93943	4532	3351	6129
OWENS CREEK	5.6176	5885	4351	7958
OWENS CREEK	6.68985	6766	5003	9150
PIN OAK CREEK	1.72481	3533	2612	4778
PIN OAK CREEK	2.72604	4654	3441	6294

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
PIN OAK CREEK	3.73407	5396	3990	7298
PIN OAK CREEK	6.19377	7917	5854	10707
PIN OAK CREEK	6.95322	7813	5778	10567
PIN OAK CREEK NORTH	1.00006	1624	1201	2197
PIN OAK CREEK NORTH	1.45647	2074	1534	2805
POLE CAT CREEK	1.16227	1901	1406	2571
SAND BRANCH	1.07	1772	1310	2397
SAND BRANCH	2.38531	3336	2467	4511
SAND BRANCH	3.29789	4216	3117	5701
SAND BRANCH	4.55926	5418	4006	7327
SCHOOLHOUSE BRANCH	0.31655	780	577	1055
SCHOOLHOUSE BRANCH	1.58187	2591	1916	3504
SCHOOLHOUSE BRANCH TRIB 1	0.93065	1866	1380	2524
SCOTT BRANCH	1.03584	2173	1607	2938
SCOTT BRANCH	1.473	2601	1923	3517
SHOP BRANCH	0.98714	2239	1656	3028
STEELE CREEK	0.90478	1626	1202	2199
STEELE CREEK	1.98439	3239	2395	4380
STEELE CREEK	3.01344	4323	3197	5846
STEELE CREEK	3.84964	4924	3641	6659
STEELE CREEK	9.2304	8727	6453	11803
STEELE CREEK	12.43615	10424	7708	14098
STEELE CREEK	13.96987	11536	8530	15601
STEELE CREEK	15.61567	11877	8782	16063
STEELE CREEK	18.33836	13010	9620	17595
STEELE CREEK	20.25868	14150	10463	19136
STEELE CREEK	23.04562	14694	10865	19872
STEELE CREEK	28.73102	16693	12344	22576
STEELE CREEK	37.96227	20240	14966	27372
STEELE CREEK	52.34918	24612	18199	33285
STEELE CREEK	58.25113	26523	19612	35870
STEELE CREEK	59.20796	26895	19887	36372
STEELE CREEK	61.31488	27225	20131	36818
STEELE CREEK	62.95309	26662	19714	36057
STEELE CREEK	66.27194	26875	19872	36345
STEELE CREEK	66.62365	26942	19922	36436
STEELE CREEK	79.30518	30640	22656	41437
STEELE CREEK	106.61639	37164	27480	50260

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
STEELE CREEK	108.98737	37194	27503	50301
STEELE CREEK	117.3021	38710	28624	52351
STEELE CREEK	126.48567	40716	30106	55063
STEELE CREEK	127.31607	41622	30777	56289
STEELE CREEK	134.05043	42962	31767	58101
STEELE CREEK	135.71399	42253	31244	57143
STEELE CREEK	137.77155	42806	31652	57890
STEELE CREEK	139.78557	42874	31703	57982
STEELE CREEK	141.39517	42883	31709	57995
STEELE CREEK	142.17662	42690	31567	57734
STEELE CREEK	142.83403	42509	31433	57488
STEELE CREEK	146.1417	43165	31917	58375
STEELE CREEK	158.63567	44941	33231	60777
STEELE CREEK	159.12049	44771	33105	60548
STEELE CREEK	160.40323	45544	33676	61592
STEELE CREEK	161.48817	45476	33626	61501
STEELE CREEK	162.18459	45775	33848	61906
STEELE CREEK	163.37524	45202	33424	61130
STEELE CREEK	163.66481	45561	33690	61617
STEELE CREEK	171.66264	46408	34316	62761
STEELE CREEK	173.46641	47211	34910	63848
STEELE CREEK	174.75997	47071	34806	63658
STEELE CREEK	176.42152	46678	34515	63126
STEELE CREEK	177.0039	47061	34799	63645
STEELE CREEK	183.7728	48221	35657	65214
STEELE CREEK	186.65783	48471	35841	65551
STEELE CREEK TRIB 11	0.6379	1373	1016	1857
STEELE CREEK TRIB 12	0.92939	1924	1422	2602
STEELE CREEK TRIB 12	1.27776	2342	1732	3168
STEELE CREEK TRIB 13	0.62544	1276	943	1725
STEELE CREEK TRIB 14 3	1.05635	1830	1353	2475
STEELE CREEK TRIB 15	0.32246	748	553	1011
STEELE CREEK TRIB 17	0.64557	1277	944	1727
STEELE CREEK TRIB 17	1.86354	2769	2048	3745
STEELE CREEK TRIB 17 1	0.81615	1560	1154	2110
STEELE CREEK TRIB 17 2	0.28806	693	512	937
STEELE CREEK TRIB 18	0.51097	1022	755	1382
STEELE CREEK TRIB 19	0.73022	1425	1054	1927

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
STEELE CREEK TRIB 19	1.42896	2319	1715	3137
STEELE CREEK TRIB 19 3	0.49563	969	717	1311
STEELE CREEK TRIB 20	1.27352	2069	1530	2799
STEELE CREEK TRIB 23	0.41022	913	675	1235
STEELE CREEK TRIB 24	0.51388	848	627	1146
STEELE CREEK TRIB 25	0.82856	1400	1035	1893
STEELE CREEK TRIB 26	0.33362	723	535	978
STEELE CREEK TRIB 4 1	0.60787	1616	1195	2185
STEELE CREEK TRIB 7 1	1.03288	2817	2083	3810
STEELE CREEK TRIB 7 1	1.64267	3628	2682	4906
STEELE CREEK TRIB 8	0.78149	1570	1161	2123
STEELE CREEK TRIB 9	0.25948	621	459	840
UNT004 IN STEL	0.91226	1390	1027	1879
UNT004 IN STEL	1.50376	2114	1563	2858
UNT004 IN STEL	4.08352	4325	3198	5849
UNT005 IN STEL	1.00497	1519	1123	2054
UNT005 IN STEL	1.3315	1823	1348	2466
UNT007 IN STEL	0.92632	1510	1117	2043
UNT007 IN STEL	1.45269	2017	1491	2727
UNT007 IN STEL	2.84055	3675	2717	4969
UNT008 IN STEL	0.97308	1591	1177	2152
UNT008 IN STEL	1.37642	1955	1446	2644
UNT009 IN STEL	1.26644	1977	1462	2674
UNT010 IN STEL	1.15878	1648	1219	2229
UNT013 IN STEL	0.79354	1193	882	1614
UNT013 IN STEL	1.73472	2252	1665	3045
UNT014 IN STEL	0.37245	629	465	851
UNT014 IN STEL	0.48777	845	625	1143
UNT015 IN STEL	1.12976	1827	1351	2470
UNT018 IN STEL	0.43922	948	701	1282
UNT019 IN STEL	1.21375	2405	1778	3252
UNT021 IN STEL	1.50857	2470	1827	3341
UNT021 IN STEL	1.88739	2712	2006	3668
UNT023 IN STEL	0.58594	977	722	1321
UNT023 IN STEL	0.94364	1505	1113	2036
UNT024 IN STEL	1.13893	1506	1114	2037
UNT024 IN STEL	5.26414	4724	3493	6388
UNT026 IN STEL	1.13896	1836	1358	2483

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT027 IN STEL	1.00006	1644	1216	2223
UNT027 IN STEL	1.96216	2687	1987	3634
UNT032 IN STEL	1.20473	1768	1307	2390
UNT036 IN STEL	1.3419	2503	1851	3385
UNT037 IN STEL	1.18165	1873	1385	2533
UNT038 IN STEL	0.52224	1224	905	1655
UNT038 IN STEL	1.85394	3278	2424	4433
UNT046 IN STEL	0.55814	1074	794	1453
UNT050 IN STEL	0.73342	1357	1004	1836
UNT054 IN STEL	1.34092	2283	1688	3087
UNT054 IN STEL	2.04492	2900	2145	3922
UNT060 IN STEL	0.61777	1185	876	1602
UNT061 IN STEL	1.94452	3109	2299	4204
UNT061 IN STEL	2.42883	3381	2500	4573
UNT062 IN STEL	0.0669	174	128	235
UNT063 IN STEL	1.2385	2173	1607	2939
WHITE BRANCH	1.22922	2230	1649	3016
WHITE BRANCH	3.43272	4568	3378	6178
WHITE BRANCH	4.38816	5305	3923	7174
WHITE BRANCH	5.42264	5918	4376	8003
WHITE BRANCH	12.57522	11538	8532	15604
WILLOW CREEK	1.33428	2409	1781	3257
WILLOW CREEK	1.77736	2882	2131	3898
WILLOW CREEK	3.19409	4458	3296	6029
WILLOW CREEK	3.90921	5073	3751	6861
WILLOW CREEK	4.71055	5898	4361	7977
WILLOW CREEK	5.66407	6758	4997	9139
WILLOW CREEK	6.44738	7404	5475	10013
WILLOW CREEK	7.40676	7890	5834	10670
WILLOW CREEK	8.87228	9085	6718	12287
WILLOW CREEK	9.62004	9417	6963	12735
WILLOW CREEK	10.39246	9701	7174	13120
WILLOW CREEK	12.35414	10336	7643	13978
WILLOW CREEK TRIB 10	0.66611	1227	907	1660
WILLOW CREEK TRIB 12	0.41878	1117	826	1511
WILLOW CREEK TRIB 14	0.51571	1103	816	1492
WILLOW CREEK TRIB 15	0.23566	692	512	936
WILLOW CREEK TRIB 15	0.92213	1945	1438	2630

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
WILLOW CREEK TRIB 15 1	0.63483	1289	953	1743
WILLOW CREEK TRIB 16	0.68844	1248	923	1687
WILLOW CREEK TRIB 17	0.78803	1539	1138	2081
WILLOW CREEK TRIB 19	0.66185	1456	1077	1969
WILLOW CREEK TRIB 4 3	0.80952	1504	1112	2034
WILLOW CREEK TRIB 7	0.37309	817	604	1105
Sanders Creek – Navasota River (SAND)				
BEAR BRANCH	0.56953	1050	776	1420
BEAR BRANCH	1.35324	2172	1606	2937
BEAR BRANCH	2.64582	3474	2569	4699
BEAR BRANCH	3.71959	4380	3239	5923
BEAR BRANCH	4.13975	4743	3507	6414
BEAR BRANCH	4.68966	5185	3834	7012
BIG ELM CREEK	71.63768	29175	21573	39456
BIG ELM CREEK	78.6825	30668	22677	41474
BIG ELM CREEK	79.02784	30056	22225	40648
BIG ELM CREEK	88.18745	31846	23548	43068
BIG ELM CREEK	91.69851	33192	24543	44888
BIG ELM CREEK	93.41627	33178	24533	44869
BIG ELM CREEK	97.07289	34207	25294	46261
BIG ELM CREEK	97.22819	34029	25162	46020
BIG ELM CREEK	98.26219	33444	24730	45230
BIG ELM CREEK	99.30307	34133	25239	46161
BIG ELM CREEK	100.64495	34046	25174	46043
BIG ELM CREEK	104.44933	34013	25150	45998
BIG ELM CREEK	104.73144	33941	25097	45901
BIG ELM CREEK	106.0902	33901	25067	45847
BIG ELM CREEK	107.46555	33893	25062	45836
BIG ELM CREEK	109.4992	33960	25111	45927
BIG ELM CREEK	110.72551	33620	24860	45467
BIG ELM CREEK	112.59461	33583	24833	45418
BIG ELM CREEK	114.41197	33573	24825	45403
BIRCH CREEK	1.02651	2113	1562	2857
BIRCH CREEK	1.79879	2950	2181	3989
BIRCH CREEK	2.76522	4269	3156	5773
BIRCH CREEK	3.76071	5237	3873	7083
BIRCH CREEK	4.5372	5748	4250	7773
BIRCH CREEK	6.86705	8302	6139	11227

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BIRCH CREEK	9.20004	9897	7318	13384
BIRCH CREEK	11.77327	12023	8890	16260
BIRCH CREEK	12.64438	12702	9393	17179
BIRCH CREEK	15.62993	13719	10144	18553
BIRCH CREEK	17.09011	14557	10764	19687
BIRCH CREEK	19.77669	15935	11783	21551
BIRCH CREEK	20.62663	16028	11852	21676
BIRCH CREEK	22.41543	17074	12625	23091
BIRCH CREEK	23.45055	16940	12526	22909
BIRCH CREEK	24.29524	16933	12521	22900
BIRCH CREEK	24.54176	17006	12575	22998
BLAINS CREEK	1.00553	1601	1184	2166
BLAINS CREEK	2.08545	2887	2135	3905
BLAINS CREEK	2.93841	3888	2875	5258
BLAINS CREEK	3.46256	4069	3009	5503
BLAINS CREEK	6.13981	6404	4736	8661
BLAINS CREEK	7.83818	7064	5224	9554
BLAINS CREEK	9.2372	7659	5663	10358
BLAINS CREEK	10.23442	7794	5763	10540
BLAINS CREEK	12.56699	8832	6530	11944
CAMP CREEK	1.01387	1933	1429	2614
CAMP CREEK	2.03428	2954	2184	3995
CAMP CREEK	2.53464	3457	2556	4675
CAMP CREEK	3.25491	4221	3121	5709
CASH BRANCH	1.09332	1968	1455	2662
CAT CREEK	1.09857	1778	1315	2405
CAT CREEK	1.35472	2122	1569	2870
CAT CREEK	3.14652	4159	3075	5624
CAT CREEK	3.42326	4484	3316	6064
CAT CREEK	4.28548	5236	3871	7081
CAT CREEK	6.39058	7342	5429	9929
CAT CREEK	7.39627	7702	5695	10416
CAT CREEK	9.41876	8569	6336	11588
CAT CREEK	9.90802	8770	6485	11860
CAT CREEK	10.58435	9141	6759	12361
CAT CREEK	11.89601	10061	7440	13607
CAT CREEK	12.86641	10192	7536	13784
CEDAR CREEK 1	1.00221	1777	1314	2403

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CEDAR CREEK 1	1.93187	2984	2207	4036
CEDAR CREEK 1	2.87454	3867	2860	5230
CEDAR CREEK 1	4.00974	4511	3336	6101
CEDAR CREEK 1	6.51804	6524	4824	8823
CEDAR CREEK 1	7.39686	7203	5326	9742
CEDAR CREEK 1	8.48237	7851	5806	10618
CEDAR CREEK 1	8.82323	7862	5813	10632
CEDAR CREEK 2	1.28698	1919	1419	2595
CEDAR CREEK 2	2.64726	3704	2739	5009
CEDAR CREEK 2	2.93762	3968	2934	5366
CEDAR CREEK 2	4.86659	6015	4448	8135
CEDAR CREEK 2	6.35376	7118	5263	9626
CEDAR CREEK 2	7.72111	7975	5897	10785
CEDAR CREEK 2	8.15958	8184	6052	11068
CEDAR CREEK 2	8.87462	8614	6369	11649
CEDAR CREEK 2	9.06985	8429	6233	11399
CHAMBERS CREEK	3.5584	4763	3522	6441
CHAMBERS CREEK	4.7987	5572	4120	7536
CHAMBERS CREEK	5.26008	5700	4215	7709
CHAMBERS CREEK	5.64372	6234	4610	8431
COOTS BRANCH	1.00257	2075	1534	2806
COOTS BRANCH	1.46126	2481	1834	3355
COTTONWOOD SPRING BRANCH	1.10498	2665	1970	3604
COTTONWOOD SPRING BRANCH	1.4192	2694	1992	3643
COTTONWOOD SPRING BRANCH	2.41701	3998	2956	5407
COTTONWOOD SPRING BRANCH	2.92458	4521	3343	6114
COTTONWOOD SPRING BRANCH	3.54638	5573	4121	7537
DOGWOOD CREEK EAST	0.96715	1870	1383	2529
DOGWOOD CREEK EAST	2.02773	3079	2277	4164
DOGWOOD CREEK EAST	2.25523	3277	2423	4432
DOGWOOD CREEK EAST	3.31574	4257	3148	5757
DOGWOOD CREEK EAST	4.08269	5049	3733	6828
DOGWOOD CREEK EAST TRIBUTARY 1 1	0.24245	602	445	815
DOGWOOD CREEK EAST TRIBUTARY 1 1	0.76318	1471	1088	1989
DOGWOOD CREEK EAST TRIBUTARY 2	0.75776	1462	1081	1978
DOGWOOD CREEK EAST TRIBUTARY 2	0.95875	1863	1378	2520
DOGWOOD CREEK EAST TRIBUTARY 2 1	0.11999	317	234	429
DOGWOOD CREEK EAST TRIBUTARY 4	0.32615	729	539	986

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
DOOLEY CREEK	1.15717	2447	1809	3309
DOOLEY CREEK	2.08853	3696	2733	4999
DOOLEY CREEK	7.25284	9512	7033	12863
DOOLEY CREEK	8.59041	10242	7573	13851
DOOLEY CREEK	9.49694	10339	7645	13983
DOOLEY CREEK	11.39895	10692	7906	14460
DRY CREEK	1.01584	2355	1741	3185
DRY CREEK	2.13149	3726	2755	5039
DRY CREEK	3.76622	5562	4112	7521
DRY CREEK	5.44323	7268	5374	9829
DRY CREEK	6.47015	7668	5670	10370
E FK CHAMBERS CREEK	0.55437	1127	834	1525
E FK CHAMBERS CREEK	1.66948	3124	2310	4226
EZELL BRANCH	0.82313	1429	1056	1932
EZELL BRANCH	1.07816	1825	1350	2468
EZELL BRANCH	1.11726	1951	1443	2638
EZELL BRANCH	2.31586	3575	2644	4835
EZELL BRANCH	3.14282	3919	2898	5300
FAULKENBERRY CREEK	44.96755	24732	18288	33447
FAULKENBERRY CREEK	48.24468	25443	18813	34409
FAULKENBERRY CREEK	49.80226	25667	18979	34712
FAULKENBERRY CREEK	51.74741	24977	18469	33778
FAULKENBERRY CREEK	53.01782	24802	18339	33541
FAULKENBERRY CREEK	74.70267	30101	22258	40708
FAULKENBERRY CREEK	76.2639	30559	22596	41327
FROST CREEK	1.09251	2064	1526	2792
FROST CREEK	3.09083	4261	3151	5763
FROST CREEK	5.63868	7073	5230	9565
FROST CREEK	6.11701	7301	5398	9873
FROST CREEK	7.47389	8325	6155	11258
FROST CREEK	8.86762	9233	6827	12486
FROST CREEK	9.44692	9701	7173	13120
FROST CREEK	10.29169	10466	7739	14154
FROST CREEK	11.36875	10972	8113	14838
FROST CREEK	13.47755	12311	9103	16649
FROST CREEK	14.34778	12243	9053	16557
FROST CREEK	15.88373	13080	9672	17690
GIBSON BRANCH	0.35368	731	540	988

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
GIBSON BRANCH	0.45689	904	669	1223
GIBSON BRANCH	0.99172	1730	1279	2339
GROVE ISLAND CREEK	1.26056	2173	1607	2938
GROVE ISLAND CREEK	2.25685	3219	2380	4353
GROVE ISLAND CREEK	2.57206	3309	2447	4475
GROVE ISLAND CREEK	3.23162	4143	3063	5602
GROVE ISLAND CREEK	5.35352	5750	4252	7776
HOLMAN CREEK	1.02741	1762	1303	2383
HOLMAN CREEK	2.19937	2921	2160	3950
HOLMAN CREEK	2.38993	3110	2299	4205
HOLMAN CREEK	5.43907	5566	4116	7527
HOLMAN CREEK	5.81911	5732	4239	7752
HOLMAN CREEK	6.71228	6311	4666	8534
HOLMAN CREEK	6.84284	6336	4685	8569
HOLMAN CREEK	7.15384	6805	5032	9204
HOLMAN CREEK	8.78485	7639	5648	10330
HOLMAN CREEK	32.07967	16985	12559	22970
HOLMAN CREEK	40.08672	20161	14908	27265
HOLMAN CREEK	40.59153	20024	14806	27080
HOLMAN CREEK	57.45757	25485	18845	34466
LAMBS CREEK	1.4166	2399	1774	3244
LAMBS CREEK	2.16709	4574	3382	6186
LAMBS CREEK	3.40793	4181	3091	5654
LAMBS CREEK	10.36905	11630	8600	15729
LAMBS CREEK	12.8457	12911	9546	17460
LAMBS CREEK	16.45871	15604	11538	21103
LAMBS CREEK	21.35394	19193	14192	25956
LAMBS CREEK	22.93939	19218	14210	25990
LAMBS CREEK	27.0345	21060	15573	28481
LAMBS CREEK	27.91288	21112	15611	28551
LAMBS CREEK	28.77873	20862	15426	28213
LAMBS CREEK	33.25043	22373	16543	30257
LAMBS CREEK	33.9717	21896	16191	29612
LIES BRANCH	1.03431	1823	1348	2465
LIES BRANCH	1.81108	2761	2042	3734
LIES BRANCH	3.0477	3753	2775	5076
LOFTIN CREEK	1.35302	2403	1777	3250
LOFTIN CREEK	1.76032	2830	2092	3827

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
LOFTIN CREEK	2.26206	3262	2412	4412
LONG BRANCH	0.75749	2318	1714	3135
LONG BRANCH	1.50466	3451	2552	4668
LONG HOLLOW CREEK	1.24155	1772	1310	2396
LONG HOLLOW CREEK	2.22628	2921	2160	3950
LONG HOLLOW CREEK	3.09962	3550	2625	4800
LONG HOLLOW CREEK	4.05027	4728	3496	6394
LONG HOLLOW CREEK	5.04647	5416	4005	7325
LONG HOLLOW CREEK	5.75815	5988	4428	8098
LONG HOLLOW CREEK	6.73295	6908	5108	9342
LYNN CREEK	1.0822	2026	1498	2740
LYNN CREEK	1.83583	3065	2267	4146
LYNN CREEK	4.46878	6274	4639	8485
LYNN CREEK	4.84856	6006	4441	8123
MIDDLE CREEK	1.16228	1786	1321	2415
MIDDLE CREEK	2.12431	2835	2096	3834
MIDDLE CREEK	3.03613	3362	2486	4547
MILL CREEK	0.94329	1621	1199	2192
MILL CREEK	1.98344	2860	2115	3868
MILL CREEK	3.55401	4656	3443	6297
MILL CREEK	4.29795	5286	3909	7149
MILL CREEK	5.44839	6258	4627	8463
MILL CREEK	6.90588	6995	5172	9460
MILL CREEK	8.79652	8716	6445	11787
MINE CREEK	1.7553	4210	3113	5694
MINE CREEK	2.06594	4393	3248	5941
MINE CREEK	2.47611	5108	3777	6909
MINE CREEK	3.61104	6227	4605	8422
MINE CREEK	4.02025	6817	5041	9220
MINE CREEK	4.60714	6837	5055	9246
MINE CREEK	6.17539	8414	6222	11379
MONTGOMERY CREEK	1.36226	2322	1717	3140
MONTGOMERY CREEK	3.65227	4728	3496	6395
MONTGOMERY CREEK	7.68153	8209	6070	11101
MONTGOMERY CREEK	9.52072	9277	6860	12547
MONTGOMERY CREEK	10.73019	9469	7002	12806
MONTGOMERY CREEK	18.75547	14528	10743	19648
NAVASOTA RIVER TRIBUTARY 10	0.42296	1000	739	1352

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
NAVASOTA RIVER TRIBUTARY 9	0.41251	965	714	1305
NAVASOTA RIVER TRIBUTARY 9	1.1357	1938	1433	2620
NAVASOTA RIVER TRIBUTARY 9 1	0.09757	265	196	359
PADDY BRANCH	1.0301	2004	1482	2710
PADDY BRANCH	1.45407	2665	1970	3604
PATTON CREEK	1.06938	1677	1240	2268
PATTON CREEK	1.84955	2547	1883	3445
PATTON CREEK	2.41119	3099	2292	4191
PATTON CREEK	3.11191	3525	2606	4767
PATTON CREEK	3.792	3973	2938	5373
PATTON CREEK	6.83692	6277	4641	8489
PATTON CREEK	7.32888	6680	4940	9034
PATTON CREEK	10.06245	8582	6346	11606
PATTON CREEK	12.03997	9024	6673	12204
PATTON CREEK	12.41185	9278	6860	12547
PATTON CREEK	13.56821	9651	7136	13052
PATTON CREEK	14.64637	10269	7593	13888
PATTON CREEK	20.94641	13089	9678	17701
PATTON CREEK	21.46106	13161	9731	17798
PATTON CREEK	22.15021	12812	9474	17327
PEAR BRANCH	1.24146	1981	1465	2679
PEAR BRANCH	1.49551	2052	1518	2776
PERRY CREEK	1.11959	1840	1361	2489
PERRY CREEK	1.99653	2885	2133	3901
PERRY CREEK	2.55108	3412	2523	4614
PERRY CREEK	3.7338	4513	3337	6104
PERRY CREEK	5.35262	5719	4229	7734
PERRY CREEK	6.87441	6724	4972	9093
PERRY CREEK	8.07614	7578	5603	10248
PERRY CREEK	9.33231	8365	6185	11312
PERRY CREEK	10.39165	8647	6394	11694
PERRY CREEK	11.47686	9236	6829	12490
PERRY CREEK	11.93415	9195	6799	12436
PERRY CREEK	13.62471	9950	7357	13456
PERRY CREEK	16.5745	10998	8133	14874
PHIFER CREEK	1.66536	2634	1948	3562
PHIFER CREEK	3.06234	3859	2853	5219
PINOAK CREEK	1.13762	1937	1432	2619

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
PINOAK CREEK	1.83888	2679	1981	3623
ROCKY CREEK	1.698	2219	1641	3001
ROCKY CREEK	2.00675	2557	1891	3458
ROCKY CREEK	5.7063	5120	3786	6924
ROCKY CREEK	6.54001	5692	4209	7698
ROCKY CREEK	7.20836	5999	4436	8113
ROCKY CREEK	9.03486	7193	5319	9728
ROCKY CREEK	9.35644	7262	5370	9822
ROCKY CREEK	18.37032	13793	10199	18654
ROCKY CREEK	22.55716	16195	11975	21902
ROCKY CREEK	23.61295	16357	12095	22120
ROCKY CREEK	26.53442	17029	12591	23029
ROCKY CREEK	27.40086	17462	12912	23615
RUNNING BRANCH	1.06489	1777	1314	2403
RUNNING BRANCH	1.74858	2529	1870	3421
RUNNING BRANCH	3.12195	3869	2861	5232
RUNNING BRANCH	4.12407	4918	3637	6651
RUNNING BRANCH	6.05271	6130	4533	8290
RUNNING BRANCH	8.44534	7536	5572	10192
RUNNING BRANCH	9.10275	7731	5716	10455
RUNNING BRANCH	9.86014	8069	5966	10912
RUNNING BRANCH	10.7369	8457	6253	11437
RUNNING BRANCH	11.98206	8514	6295	11514
RUNNING BRANCH TRIBUTARY 3	0.6627	1201	888	1625
SAND BRANCH	1.01216	2139	1582	2893
SAND BRANCH	1.97232	3586	2652	4850
SAND BRANCH	2.99945	4620	3416	6247
SAND BRANCH 2	0.76116	1747	1292	2362
SAND BRANCH 2	1.29813	2415	1786	3266
SAND BRANCH 2	1.52497	2457	1817	3323
SAND BRANCH 3	1.14981	2187	1617	2958
SAND BRANCH 3	1.95366	3203	2368	4331
SAND BRANCH 3	2.98818	4304	3183	5821
SAND BRANCH 3	3.32264	4658	3444	6299
SAND BRANCH 3	7.7935	8663	6406	11715
SANDERS CREEK	1.17888	1956	1446	2645
SANDERS CREEK	2.15481	2934	2169	3967
SANDERS CREEK	2.97444	3659	2705	4948

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
SANDERS CREEK	4.69603	5337	3946	7217
SANDERS CREEK	5.84387	5985	4425	8094
SANDERS CREEK	6.9844	7078	5234	9572
SANDERS CREEK	7.64925	7436	5499	10057
SANDERS CREEK	8.63935	7814	5778	10567
SANDERS CREEK	9.39325	8397	6209	11355
SANDERS CREEK	11.37059	9025	6674	12206
SANDERS CREEK	12.11372	9147	6763	12370
SANDERS CREEK	13.63488	10029	7416	13563
SANDERS CREEK	16.33934	11754	8692	15896
SANDERS CREEK	21.03029	14337	10601	19389
SANDERS CREEK	22.07977	14603	10798	19749
SANDERS CREEK	22.78968	14597	10793	19741
SANDERS CREEK	24.92672	15063	11138	20370
SANDERS CREEK	31.45415	18037	13338	24394
SANDERS CREEK	34.30783	19317	14284	26124
SANDERS CREEK	34.66608	18779	13886	25397
SANDERS CREEK	34.78651	19159	14167	25910
SANDERS CREEK	36.20217	18877	13958	25528
SANDERS CREEK	38.40569	19766	14616	26732
SANDERS CREEK	39.25718	19749	14603	26709
SANDERS CREEK	41.0019	20153	14902	27255
SANDERS CREEK	42.62502	20496	15155	27718
SANDERS CREEK	44.29253	20590	15225	27845
SANDERS CREEK	45.40952	20414	15095	27608
SANDY BRANCH	0.60163	1071	792	1448
SANDY BRANCH	1.07431	1801	1332	2436
SANDY BRANCH	2.1288	3136	2319	4241
SANDY BRANCH	2.76293	3875	2865	5240
SANDY BRANCH	4.27153	4890	3616	6613
SANDY BRANCH TRIBUTARY 2	0.35911	699	517	946
SANDY BRANCH TRIBUTARY 4	0.2137	527	390	713
SANDY BRANCH TRIBUTARY 4	0.50891	1142	844	1544
SANDY BRANCH TRIBUTARY 4 1	0.1459	451	334	610
SANDY BRANCH TRIBUTARY 5 1	0.17415	506	374	684
SANDY BRANCH TRIBUTARY 5 1	0.9476	1643	1215	2222
SANDY BRANCH TRIBUTARY 6	0.15146	411	304	556
SANDY BRANCH TRIBUTARY 6	0.76995	1400	1035	1893

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
SANDY BRANCH TRIBUTARY 6 1	0.51761	995	736	1345
SANDY BRANCH TRIBUTARY 7	0.27019	593	438	801
SASSAFRAS BRANCH	1.17636	1657	1225	2241
SASSAFRAS BRANCH	2.0055	2422	1791	3275
SASSAFRAS BRANCH	2.68326	2813	2080	3804
SOUR BRANCH	0.25459	408	301	551
SOUR BRANCH	0.40566	678	501	916
SOUR BRANCH	1.75449	2442	1806	3303
SOUR BRANCH	2.22583	2832	2094	3831
SOUR BRANCH	3.37932	4041	2988	5465
SOUR BRANCH	5.28635	6236	4611	8433
SOUR BRANCH	6.17179	6621	4896	8954
SOUR BRANCH	7.26091	7652	5658	10349
SPRING CREEK	1.08749	1957	1447	2646
SPRING CREEK	2.0489	2983	2206	4034
SPRING CREEK	3.03685	3837	2837	5189
SPRING CREEK	4.03565	4777	3532	6461
SPRING CREEK	4.23886	4856	3591	6567
SPRING CREEK	4.79879	5273	3899	7131
SPRING CREEK	5.65052	5766	4263	7798
SPRING CREEK	6.61929	6374	4713	8620
STARRETT BRANCH	2.03724	3601	2662	4869
STEEPLETON BRANCH	1.0153	1717	1270	2322
STEEPLETON BRANCH	1.41203	2212	1635	2991
STEEPLETON BRANCH	2.10031	2711	2004	3666
STEEPLETON BRANCH	3.58532	3818	2823	5163
TURKEY CREEK	1.20443	2088	1544	2824
TURKEY CREEK	1.36432	2299	1700	3110
TURKEY CREEK	3.24005	4512	3336	6102
TURKEY CREEK	4.33804	5329	3940	7207
TURKEY CREEK	7.71027	8297	6135	11221
TURKEY CREEK	8.62804	8900	6581	12036
TURKEY CREEK	9.21242	9493	7019	12838
TURKEY CREEK	10.62211	9884	7308	13366
TURKEY CREEK	11.43484	10284	7604	13908
TURKEY CREEK	14.69096	12610	9324	17053
UNT0088 IN SAND CR	1.04839	1418	1049	1918
UNT0088 IN SAND CR	1.20416	1544	1142	2088



Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0090 IN SAND CR	1.40144	2337	1728	3160
UNT0090 IN SAND CR	2.114	3137	2319	4242
UNT0091 IN SAND CR	2.60462	4275	3161	5781
UNT0091 IN SAND CR	2.86225	3942	2915	5331
UNT0091 IN SAND CR	3.25979	4371	3232	5911
UNT0092 IN SAND CR	2.14503	3081	2278	4166
UNT0093 IN SAND CR	1.25393	2164	1600	2926
UNT0095 IN SAND CR	1.00598	1720	1272	2327
UNT0095 IN SAND CR	2.0981	2898	2143	3919
UNT0095 IN SAND CR	2.50239	3290	2432	4449
UNT0096 IN SAND CR	1.00095	1598	1181	2161
UNT0097 IN SAND CR	1.05853	1874	1386	2534
UNT0097 IN SAND CR	1.8578	2930	2167	3963
UNT0098 IN SAND CR	0.21504	497	367	672
UNT0098 IN SAND CR	0.6414	1275	943	1725
UNT0098 IN SAND CR	1.35391	1996	1476	2700
UNT0101 IN SAND CR	1.05557	1824	1348	2466
UNT0104 IN SAND CR	1.00042	2206	1631	2983
UNT0104 IN SAND CR	1.88703	3450	2551	4665
UNT0104 IN SAND CR	3.05033	4413	3263	5968
UNT0113 IN SAND CR	1.22012	1966	1454	2659
UNT0113 IN SAND CR	2.09992	2981	2205	4032
UNT0113 IN SAND CR	3.27239	3936	2910	5323
UNT0113 IN SAND CR	3.66154	4073	3012	5509
UNT01133 IN SAND CR	0.20114	488	361	659
UNT01153 IN SAND CR	0.39	943	697	1275
UNT0116 IN SAND CR	1.02436	2519	1863	3406
UNT0116 IN SAND CR	1.83332	3401	2515	4599
UNT01180 IN SAND CR	0.39914	696	514	941
UNT01184 IN SAND CR	0.39323	830	614	1122
UNT0119 IN SAND CR	1.11789	2261	1672	3058
UNT0119 IN SAND CR	1.99169	3737	2764	5054
UNT0119 IN SAND CR	2.6786	4345	3213	5876
UNT0119 IN SAND CR	3.33547	5164	3819	6984
UNT01190 IN SAND CR	0.13959	366	270	495
UNT01203 IN SAND CR	0.15774	365	270	493
UNT01216 IN SAND CR	0.19343	450	333	608
UNT01217 IN SAND CR	0.36179	712	527	963

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0122 IN SAND CR	0.68488	1202	889	1626
UNT0122 IN SAND CR	1.2307	1886	1395	2551
UNT0122 IN SAND CR	2.67618	3374	2495	4563
UNT0123 IN SAND CR	1.31195	1787	1322	2417
UNT0123 IN SAND CR	2.53942	3010	2226	4071
UNT0123 IN SAND CR	2.72074	3045	2252	4119
UNT0124 IN SAND CR	1.04848	1615	1194	2184
UNT0127 IN SAND CR	1.14641	1643	1215	2222
UNT0127 IN SAND CR	1.90972	2480	1834	3354
UNT0129 IN SAND CR	1.0301	1721	1272	2327
UNT0130 IN SAND CR	1.02606	1589	1175	2148
UNT0130 IN SAND CR	1.48233	2109	1559	2852
UNT0131 IN SAND CR	1.19367	2073	1533	2803
UNT0136 IN SAND CR	0.45403	898	664	1214
UNT0136 IN SAND CR	1.14488	2079	1537	2811
UNT0136 IN SAND CR	1.62805	2600	1923	3517
UNT0139 IN SAND CR	0.37614	725	536	981
UNT0139 IN SAND CR	1.03759	1629	1205	2203
UNT01393 IN SAND CR	0.18617	590	436	798
UNT01418 IN SAND CR	0.14761	363	268	491
UNT0142 IN SAND CR	1.31747	2296	1697	3105
UNT0142 IN SAND CR	1.49557	2587	1913	3499
UNT0143 IN SAND CR	1.02732	1774	1312	2399
UNT0143 IN SAND CR	1.36423	2209	1633	2987
UNT0143 IN SAND CR	2.61197	3641	2692	4924
UNT0143 IN SAND CR	3.15154	4033	2982	5454
UNT0144 IN SAND CR	1.00203	1853	1370	2506
UNT0144 IN SAND CR	1.56627	2564	1896	3468
UNT0146 IN SAND CR	0.33153	863	638	1167
UNT0146 IN SAND CR	0.57823	1259	931	1703
UNT0146 IN SAND CR	0.98513	1993	1474	2695
UNT0147 IN SAND CR	1.07122	1985	1468	2685
UNT01471 IN SAND CR	0.30176	671	496	907
UNT01471 IN SAND CR	0.50953	1036	766	1401
UNT01476 IN SAND CR	0.18572	353	261	477
UNT01476 IN SAND CR	0.35198	624	462	844
UNT01476 IN SAND CR	0.53631	955	706	1292
UNT01477 IN SAND CR	0.18177	362	268	489

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT01481 IN SAND CR	0.19307	469	347	634
UNT0149 IN SAND CR	1.16551	1991	1472	2692
UNT0151 IN SAND CR	1.19582	1756	1298	2375
UNT01535 IN SAND CR	0.40282	846	626	1145
UNT01539 IN SAND CR	0.34364	807	597	1092
UNT0155 IN SAND CR	1.00275	1563	1156	2114
UNT0155 IN SAND CR	1.10148	1679	1242	2271
UNT0156 IN SAND CR	1.02951	1598	1181	2161
UNT01560 IN SAND CR	0.10851	264	195	357
UNT01560 IN SAND CR	0.25665	667	493	902
UNT01560 IN SAND CR	0.37448	852	630	1153
UNT0157 IN SAND CR	1.40754	2590	1915	3502
UNT0157 IN SAND CR	2.28089	3426	2534	4634
UNT0161 IN SAND CR	1.00364	1987	1469	2687
UNT0161 IN SAND CR	1.25434	2347	1736	3174
UNT0162 IN SAND CR	1.01647	1721	1272	2327
UNT0162 IN SAND CR	1.14515	1831	1354	2476
UNT0162 IN SAND CR	1.51524	2278	1684	3081
UNT0162 IN SAND CR	1.87837	2695	1993	3645
UNT0163 IN SAND CR	1.17465	2232	1650	3018
UNT0163 IN SAND CR	2.06276	3052	2257	4128
UNT01638 IN SAND CR	0.26526	528	391	715
UNT0164 IN SAND CR	1.21088	1728	1278	2337
UNT01643 IN SAND CR	0.21666	569	421	770
UNT01647 IN SAND CR	0.73193	1411	1044	1909
UNT0166 IN SAND CR	1.09538	1912	1413	2585
UNT0166 IN SAND CR	2.07912	2824	2088	3819
UNT0166 IN SAND CR	2.26896	2902	2146	3924
UNT0167 IN SAND CR	1.12399	1944	1438	2629
UNT0168 IN SAND CR	1.25725	2495	1845	3375
UNT0168 IN SAND CR	2.60569	4119	3046	5571
UNT0168 IN SAND CR	5.84861	7766	5742	10502
UNT0168 IN SAND CR	6.67327	8442	6243	11417
UNT01688 IN SAND CR	0.24741	561	415	758
UNT0169 IN SAND CR	1.21223	2832	2094	3830
UNT0169 IN SAND CR	2.29228	3871	2862	5235
UNT0171 IN SAND CR	1.16515	2030	1501	2745
UNT0171 IN SAND CR	1.93483	2973	2198	4021

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT01712 IN SAND CR	0.16904	435	322	588
UNT01729 IN SAND CR	0.47465	972	719	1315
UNT01733 IN SAND CR	0.22123	536	396	725
UNT01734 IN SAND CR	0.16016	541	400	732
UNT0174 IN SAND CR	1.18811	2544	1881	3440
UNT0174 IN SAND CR	1.63962	3131	2315	4235
UNT01749 IN SAND CR	0.24248	541	400	731
UNT0175 IN SAND CR	1.01871	2014	1489	2724
UNT0175 IN SAND CR	2.24851	3227	2386	4365
UNT0175 IN SAND CR	3.08443	4124	3049	5577
UNT01751 IN SAND CR	0.14402	381	282	515
UNT01811 IN SAND CR	0.26571	598	442	809
UNT0185 IN SAND CR	1.03889	1654	1223	2237
UNT0185 IN SAND CR	1.49031	2197	1624	2971
UNT01854 IN SAND CR	0.25773	671	496	908
UNT01861 IN SAND CR	0.31517	744	550	1007
UNT01869 IN SAND CR	0.24221	592	438	800
UNT01877 IN SAND CR	0.11191	304	225	411
UNT01878 IN SAND CR	0.83407	1718	1271	2324
UNT0189 IN SAND CR	1.02221	1980	1464	2677
UNT0189 IN SAND CR	2.04199	3391	2507	4586
UNT01895 IN SAND CR	0.39538	796	589	1076
UNT0190 IN SAND CR	1.04776	1827	1351	2471
UNT0190 IN SAND CR	1.96541	3012	2227	4074
UNT01904 IN SAND CR	0.40408	985	728	1332
UNT0191 IN SAND CR	1.00732	2286	1690	3092
UNT0191 IN SAND CR	1.65675	3330	2462	4503
UNT0193 IN SAND CR	1.00024	2190	1620	2962
UNT0193 IN SAND CR	2.0402	3629	2684	4908
UNT02009 IN SAND CR	0.27174	646	478	874
UNT0204 IN SAND CR	1.12533	1809	1338	2447
UNT02049 IN SAND CR	0.36596	735	544	995
UNT02078 IN SAND CR	0.45166	564	417	763
UNT02133 IN SAND CR	0.32884	748	553	1011
UNT02133 IN SAND CR	0.6384	1335	987	1805
UNT02134 IN SAND CR	0.29902	665	491	899
UNT02152 IN SAND CR	0.15003	369	273	499
UNT02167 IN SAND CR	0.12877	389	287	526



Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT02280 IN SAND CR	0.39385	551	408	746
UNT02339 IN SAND CR	0.32041	597	442	808
UNT0494 IN SAND CR	0.99315	1718	1270	2324
UNT0501 IN SAND CR	0.69234	1257	930	1700
UNT0502 IN SAND CR	0.71495	1259	931	1703
UNT0507 IN SAND CR	0.51689	994	735	1344
UNT0508 IN SAND CR	0.43008	805	595	1088
UNT0516 IN SAND CR	0.53035	1067	789	1443
UNT0517 IN SAND CR	0.80005	1354	1001	1831
UNT0520 IN SAND CR	0.58056	1000	739	1352
UNT0533 IN SAND CR	0.55405	1102	815	1491
UNT0554 IN SAND CR	1.11868	1819	1345	2460
UNT0561 IN SAND CR	0.42569	991	733	1340
UNT0571 IN SAND CR	0.63813	1220	902	1650
UNT0575 IN SAND CR	0.44537	1019	754	1379
UNT0587 IN SAND CR	0.50478	886	655	1198
UNT0587 IN SAND CR	0.99799	1662	1229	2247
UNT0591 IN SAND CR	0.86205	1698	1256	2297
UNT0592 IN SAND CR	0.5576	920	681	1245
UNT0613 IN SAND CR	1.01261	1882	1391	2545
UNT0615 IN SAND CR	0.96248	1773	1311	2398
UNT0615 IN SAND CR	1.78041	2821	2086	3816
UNT0616 IN SAND CR	0.62504	1374	1016	1858
UNT0619 IN SAND CR	0.46371	963	712	1303
UNT0621 IN SAND CR	0.66957	1392	1029	1883
UNT0621 IN SAND CR	0.81703	1627	1203	2201
UNT0626 IN SAND CR	0.66673	1157	855	1565
UNT0642 IN SAND CR	0.93522	1713	1267	2316
UNT0648 IN SAND CR	0.89021	1535	1135	2076
UNT0654 IN SAND CR	1.12202	1736	1284	2348
UNT0661 IN SAND CR	0.64692	1097	811	1483
UNT0663 IN SAND CR	0.94966	1594	1178	2155
UNT0665 IN SAND CR	0.44111	854	631	1155
UNT0667 IN SAND CR	0.54451	1051	777	1421
UNT0669 IN SAND CR	0.95899	1552	1148	2099
UNT0673 IN SAND CR	0.61539	1189	879	1607
UNT0675 IN SAND CR	0.42076	860	636	1163
UNT0678 IN SAND CR	0.47379	1253	926	1694

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0681 IN SAND CR	0.3266	968	716	1310
UNT0681 IN SAND CR	0.60397	1444	1068	1953
UNT0685 IN SAND CR	0.35209	703	520	951
UNT0690 IN SAND CR	0.7767	1636	1210	2213
UNT0691 IN SAND CR	0.62638	1023	756	1383
UNT0716 IN SAND CR	0.85717	1618	1197	2188
UNT0722 IN SAND CR	0.62118	1337	988	1808
UNT0728 IN SAND CR	0.42389	866	640	1171
UNT0750 IN SAND CR	0.56069	1084	802	1466
UNT0762 IN SAND CR	0.86689	1748	1292	2364
UNT0765 IN SAND CR	0.88491	2428	1795	3283
UNT0765 IN SAND CR	1.03889	2657	1965	3593
UNT0765 IN SAND CR	1.24693	3342	2471	4519
UNT0767 IN SAND CR	0.49882	1548	1145	2094
UNT0768 IN SAND CR	1.10184	2657	1965	3594
UNT0778 IN SAND CR	0.66135	1171	866	1583
UNT0781 IN SAND CR	0.41376	1173	867	1586
UNT0795 IN SAND CR	0.39448	847	626	1146
UNT0795 IN SAND CR	0.70422	1484	1097	2006
UNT8913 IN SAND CR	0.08909	249	184	337
W FK CHAMBERS CREEK	0.82609	1459	1079	1973
WHITE ROCK CREEK	1.0396	1414	1046	1913
WHITE ROCK CREEK	2.87786	3653	2702	4941
WHITE ROCK CREEK	4.37453	5354	3959	7240
WHITE ROCK CREEK	5.97945	5980	4422	8088
WHITE ROCK CREEK	6.11872	6109	4517	8262
WHITE ROCK CREEK	7.8071	7304	5401	9878
Duck Creek – Navasota River (DUCK)				
ALUM BRANCH	0.6662	1437	1063	1943
ALUM BRANCH	1.50186	2672	1976	3614
ALUM BRANCH TRIB 1	0.31081	767	567	1037
BEAR CREEK	1.57667	2845	2104	3848
BEAR CREEK	2.53852	3550	2625	4800
BEAR CREEK	3.71443	4595	3398	6215
BEAR CREEK TRIB 1	0.70287	1486	1099	2010
BEAR CREEK TRIB 1	0.9137	1790	1324	2421
BEAR CREEK TRIB 1 1	0.16437	425	315	575
BIG BRANCH	1.00338	2530	1871	3422

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BIG BRANCH	1.88461	3601	2663	4870
BRUSHY CREEK	1.31773	2127	1572	2876
BRUSHY CREEK	2.57942	3538	2616	4785
BRUSHY CREEK	3.93297	4722	3492	6386
BRUSHY CREEK	7.32503	7486	5535	10124
BRUSHY CREEK	7.82075	7509	5552	10155
BRUSHY CREEK	11.25011	10012	7403	13540
BRUSHY CREEK	12.14578	10226	7562	13830
BRUSHY CREEK	12.52412	10252	7581	13865
BRUSHY CREEK	15.59621	12046	8907	16290
BRUSHY CREEK	24.7777	16865	12471	22808
BRUSHY CREEK	25.56702	17225	12737	23295
BRUSHY CREEK	28.30937	18347	13566	24812
BRUSHY CREEK	40.6224	23679	17509	32023
BRUSHY CREEK	45.22659	25122	18576	33975
BRUSHY CREEK	45.9622	24795	18334	33532
BRUSHY CREEK	46.90038	25528	18876	34523
BRUSHY CREEK	48.84696	25543	18887	34544
BRUSHY CREEK	51.50419	25963	19198	35112
BRUSHY CREEK	53.30901	26262	19419	35516
BRUSHY CREEK	57.66651	27246	20146	36847
BRUSHY CREEK	62.73307	28775	21277	38915
BRUSHY CREEK	64.19172	28848	21331	39014
BRUSHY CREEK	65.18299	29171	21570	39451
BRUSHY CREEK	65.95179	29021	21459	39247
BRUSHY CREEK	70.18274	30190	22323	40828
BRUSHY CREEK	71.05555	30133	22282	40752
BRUSHY CREEK	72.04189	29851	22073	40371
BRUSHY CREEK	72.55904	29621	21903	40059
BRUSHY CREEK	73.23223	29811	22043	40315
BRUSHY CREEK	73.84149	29936	22136	40485
BUCK CREEK	2.25407	4325	3198	5849
BUCK CREEK	3.22929	5628	4162	7612
BUCK CREEK	3.52728	5860	4333	7926
BUCK CREEK	7.91446	10818	7999	14630
BUCK CREEK	11.02843	13177	9743	17820
BUCK CREEK	11.58474	13118	9700	17741
CEDAR CREEK	1.23644	2636	1949	3565

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CEDAR CREEK	2.18207	3806	2814	5147
CEDAR CREEK	2.81419	4285	3168	5795
COPPERAS BRANCH	1.01216	2391	1768	3234
COPPERAS BRANCH	1.16216	2465	1823	3333
COPPERAS BRANCH	3.56733	6356	4700	8596
DOGWOOD CR WEST TRIB 3	0.22867	475	352	643
DOGWOOD CR WEST TRIB 4	0.34032	677	500	915
DOGWOOD CR WEST TRIB 5	0.86841	1702	1259	2302
DOGWOOD CR WEST TRIB 6	0.17809	456	337	617
DOGWOOD CREEK WEST	0.31593	748	553	1012
DOGWOOD CREEK WEST	1.08211	1966	1454	2659
DOGWOOD CREEK WEST	2.02415	3255	2407	4403
DOGWOOD CREEK WEST	2.70218	3727	2756	5040
DUCK CR TRIB 43 1	0.15334	360	266	486
DUCK CREEK	1.11075	2163	1600	2925
DUCK CREEK	1.49623	2622	1939	3546
DUCK CREEK	3.50271	5073	3751	6861
DUCK CREEK	4.30486	5701	4216	7710
DUCK CREEK	5.28007	6663	4927	9011
DUCK CREEK	5.51341	6668	4931	9018
DUCK CREEK	6.50692	7470	5523	10102
DUCK CREEK	9.14292	9848	7282	13318
DUCK CREEK	9.45929	9981	7381	13499
DUCK CREEK	10.11052	10202	7543	13796
DUCK CREEK	10.58732	10341	7647	13985
DUCK CREEK	11.08394	10622	7854	14365
DUCK CREEK	12.06947	11252	8320	15217
DUCK CREEK	12.29967	11045	8167	14937
DUCK CREEK	13.11813	11456	8471	15493
DUCK CREEK	16.90009	13691	10124	18515
DUCK CREEK	17.41052	13825	10223	18697
DUCK CREEK	17.68556	13980	10338	18907
DUCK CREEK	17.8372	13908	10284	18808
DUCK CREEK	19.4787	14692	10864	19870
DUCK CREEK	20.2074	14416	10660	19497
DUCK CREEK	22.85147	15791	11676	21355
DUCK CREEK	27.81123	17472	12919	23629
DUCK CREEK	28.73237	17513	12950	23684

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
DUCK CREEK	31.60762	18325	13550	24783
DUCK CREEK	42.55584	22373	16543	30257
DUCK CREEK	45.26403	22411	16571	30308
DUCK CREEK	45.4523	25251	18671	34149
DUCK CREEK	46.21015	25827	19097	34928
DUCK CREEK	46.21122	25468	18832	34442
DUCK CREEK	46.65368	26000	19225	35162
DUCK CREEK	49.67896	26646	19703	36036
DUCK CREEK	52.15373	27731	20505	37503
DUCK CREEK	52.74818	27261	20158	36867
DUCK CREEK	53.239	27416	20272	37077
DUCK CREEK	56.18035	27798	20555	37593
DUCK CREEK	58.95415	29026	21463	39254
DUCK CREEK	62.22891	29467	21789	39850
DUCK CREEK	64.44891	30392	22473	41101
DUCK CREEK	67.22041	30384	22467	41091
DUCK CREEK	69.81014	31396	23215	42459
DUCK CREEK	71.52742	31521	23307	42628
DUCK CREEK	72.77946	31236	23097	42243
DUCK CREEK	128.42434	46517	34396	62909
DUCK CREEK	129.32315	2212	1636	2992
DUCK CREEK	131.38236	47398	35047	64100
DUCK CREEK	131.82392	47020	34769	63590
DUCK CREEK	132.97042	46461	34355	62833
DUCK CREEK	134.11826	46542	34415	62943
DUCK CREEK	139.39331	47939	35448	64832
DUCK CREEK	139.73506	47169	34878	63790
DUCK CREEK	142.71102	47940	35448	64833
DUCK CREEK	143.69485	47923	35436	64810
DUCK CREEK	144.43243	46870	34657	63386
DUCK CREEK	149.30529	47742	35302	64565
DUCK CREEK	150.12895	47283	34963	63944
DUCK CREEK TRIB 12	1.03745	2057	1521	2782
DUCK CREEK TRIB 13	0.87532	2003	1481	2708
DUCK CREEK TRIB 14	0.34893	953	705	1289
DUCK CREEK TRIB 15	0.89599	46646	34492	63084
DUCK CREEK TRIB 16	0.88285	2105	1557	2847
DUCK CREEK TRIB 17 3	0.30436	1147	848	1551

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
DUCK CREEK TRIB 17 3	1.00158	2588	1914	3500
DUCK CREEK TRIB 17 3	1.65729	3484	2576	4712
DUCK CREEK TRIB 18	1.4235	3385	2503	4578
DUCK CREEK TRIB 18	2.37112	4465	3302	6038
DUCK CREEK TRIB 18	2.57734	4801	3550	6493
DUCK CREEK TRIB 19	0.20575	683	505	924
DUCK CREEK TRIB 20	0.27203	918	678	1241
DUCK CREEK TRIB 21	1.20936	3137	2320	4243
DUCK CREEK TRIB 21	1.82892	3901	2884	5275
DUCK CREEK TRIB 21	2.25999	4378	3237	5920
DUCK CREEK TRIB 21	2.5379	4900	3623	6626
DUCK CREEK TRIB 21 1	0.25988	886	655	1198
DUCK CREEK TRIB 21 2	0.21558	668	494	904
DUCK CREEK TRIB 22	0.55886	1770	1309	2393
DUCK CREEK TRIB 22	1.10641	3074	2273	4158
DUCK CREEK TRIB 22	1.50538	3664	2709	4955
DUCK CREEK TRIB 22 1	0.24248	893	660	1208
DUCK CREEK TRIB 22 3	0.3404	1112	823	1505
DUCK CREEK TRIB 23	0.62593	1344	994	1818
DUCK CREEK TRIB 23	2.1158	3478	2572	4704
DUCK CREEK TRIB 23	3.12751	4175	3087	5646
DUCK CREEK TRIB 23 1	0.47716	1509	1116	2041
DUCK CREEK TRIB 23 3	0.65239	2054	1519	2778
DUCK CREEK TRIB 24	2.81347	3714	2746	5023
DUCK CREEK TRIB 24 2	0.73883	1374	1016	1858
DUCK CREEK TRIB 24 3	1.00938	1791	1324	2422
DUCK CREEK TRIB 24 3	1.51165	2400	1775	3246
DUCK CREEK TRIB 25	0.36668	915	676	1237
DUCK CREEK TRIB 25	0.71103	1534	1134	2074
DUCK CREEK TRIB 25	1.74902	2922	2161	3952
DUCK CREEK TRIB 25	2.08717	3293	2435	4453
DUCK CREEK TRIB 25	2.35108	3559	2632	4813
DUCK CREEK TRIB 25 1	0.20785	542	401	733
DUCK CREEK TRIB 25 2	0.21414	823	609	1113
DUCK CREEK TRIB 25 3	0.42856	1076	796	1455
DUCK CREEK TRIB 25 4	0.19262	586	433	792
DUCK CREEK TRIB 26	0.34041	824	609	1114
DUCK CREEK TRIB 27	0.58065	1240	917	1676

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
DUCK CREEK TRIB 28	0.36955	785	580	1061
DUCK CREEK TRIB 28	1.02131	1972	1458	2667
DUCK CREEK TRIB 28	1.38503	2540	1878	3435
DUCK CREEK TRIB 28	1.80426	2914	2155	3941
DUCK CREEK TRIB 28	2.23901	3211	2374	4342
DUCK CREEK TRIB 28 1	0.18321	509	377	689
DUCK CREEK TRIB 28 2	0.26257	604	446	817
DUCK CREEK TRIB 28 3	0.26598	698	516	944
DUCK CREEK TRIB 28 3	0.4421	1048	775	1417
DUCK CREEK TRIB 28 3 1	0.15245	432	320	585
DUCK CREEK TRIB 29	0.43152	886	655	1198
DUCK CREEK TRIB 29	1.23016	2112	1562	2856
DUCK CREEK TRIB 29	2.64004	3551	2626	4803
DUCK CREEK TRIB 29	2.93731	3785	2799	5118
DUCK CREEK TRIB 29 2	0.99414	1673	1237	2263
DUCK CREEK TRIB 29 3	0.21262	452	334	612
DUCK CREEK TRIB 30	0.44201	967	715	1308
DUCK CREEK TRIB 31	0.75148	1308	967	1769
DUCK CREEK TRIB 32	0.64091	1151	851	1557
DUCK CREEK TRIB 32	1.00849	1832	1354	2477
DUCK CREEK TRIB 32	1.44897	2153	1592	2912
DUCK CREEK TRIB 32	2.29228	2826	2090	3822
DUCK CREEK TRIB 34	1.29423	1942	1436	2627
DUCK CREEK TRIB 34	1.71836	2593	1917	3506
DUCK CREEK TRIB 34	2.2156	2877	2127	3890
DUCK CREEK TRIB 40	0.85469	1396	1032	1888
DUCK CREEK TRIB 40	2.63672	3078	2276	4163
DUCK CREEK TRIB 40 2	0.67104	1410	1043	1907
DUCK CREEK TRIB 42	0.29593	821	607	1110
DUCK CREEK TRIB 43	0.59499	1157	856	1565
DUCK CREEK TRIB 43	1.00033	1791	1324	2421
DUCK CREEK TRIB 43	1.57864	2256	1668	3051
DUCK CREEK TRIB 44	0.10806	273	202	369
DUCK CREEK TRIB 45	0.27216	615	454	831
DUCK CREEK TRIB 46	0.27172	689	509	931
DUCK CREEK TRIB 47	0.1468	470	348	636
DUCK CREEK TRIB 47	0.35547	915	677	1237
DUCK CREEK TRIB 47	0.7139	1512	1118	2044

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
DUCK CREEK TRIB 47 1	0.20222	547	405	740
DUCK CREEK TRIB 48	0.7435	1238	915	1674
DUCK CREEK TRIB 49	0.16177	430	318	582
DUCK CREEK TRIB 8	0.21549	650	481	880
DUCK CREEK TRIB 9	0.45976	1106	818	1496
HERDS BRANCH	0.67023	1080	798	1460
HERDS BRANCH	1.86184	2475	1830	3347
HERDS BRANCH	2.41854	3180	2352	4301
HERDS BRANCH	3.36578	3758	2779	5082
HERDS BRANCH	6.92283	6200	4585	8385
HERDS BRANCH	9.63757	8070	5967	10914
HERDS BRANCH	10.8485	8105	5993	10962
HERDS BRANCH TRIB 2	0.23055	573	424	775
HERDS BRANCH TRIB 3	0.51635	1063	786	1438
HERDS BRANCH TRIB 5	0.6167	1194	883	1615
HOLLY BRANCH	0.37832	762	563	1030
HOLLY BRANCH	0.88357	2172	1606	2938
HOLLY BRANCH	1.67316	3884	2872	5253
HOLLY BRANCH	2.05778	4351	3218	5885
HOLLY BRANCH TRIB 1	0.29315	806	596	1091
HOLLY BRANCH TRIB 2	0.61983	1670	1235	2258
HOLLY BRANCH TRIBUTARY 3	0.37048	1040	769	1406
LAKE BRANCH	0.37771	761	562	1029
LAKE BRANCH	2.17758	3148	2328	4257
LAKE BRANCH	2.97237	4044	2991	5470
LAKE BRANCH TRIB 3	0.7023	1227	907	1659
LITTLE BRUSHY CREEK	1.00051	2771	2049	3747
LITTLE BRUSHY CREEK	2.54534	5200	3845	7032
LITTLE BRUSHY CREEK	3.42066	6242	4616	8442
LITTLE BRUSHY CREEK	8.72584	10257	7584	13871
LONG BRANCH	0.59993	1459	1079	1973
LONG BRANCH	1.05584	2094	1548	2832
LONG BRANCH	2.06522	3472	2567	4695
LONG BRANCH	2.31783	3706	2741	5012
LONG BRANCH	2.65492	4109	3038	5557
LONG BRANCH	3.24893	4306	3184	5824
LONG BRANCH	4.10201	4929	3645	6667
LONG BRANCH TRIB 1	0.44506	991	733	1340

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
LONG BRANCH TRIB 2	0.2614	626	463	846
LONG BRANCH TRIB 3	0.25844	599	443	810
LONG BRANCH TRIB 4	0.19962	509	376	688
LONG BRANCH TRIB 6	0.46712	1027	760	1389
LONG BRANCH TRIB 7	0.23405	598	442	809
MINERAL CR TRIB 1	0.30382	991	733	1340
MINERAL CR TRIB 1	0.80779	2034	1504	2751
MINERAL CR TRIB 1 1	0.29028	879	650	1188
MINERAL CR TRIB 1 2	0.20679	741	548	1002
MINERAL CR TRIB 2	0.26777	709	524	958
MINERAL CR TRIB 2	0.45528	1128	834	1525
MINERAL CR TRIB 2 1	0.18294	546	404	739
MINERAL CR TRIB 4	1.07036	2612	1931	3532
MINERAL CREEK	47.39861	25444	18814	34410
MINERAL CREEK	50.80331	26832	19840	36287
MINERAL CREEK	51.90371	26479	19580	35810
MINERAL CREEK	52.89893	26458	19564	35781
MINERAL CREEK	53.73434	26592	19663	35963
MINERAL CREEK	54.82156	25504	18859	34492
MUSTANG CREEK	1.17421	1900	1405	2569
MUSTANG CREEK	2.50265	3565	2636	4821
NAVASOTA RV TRIB 5	0.83126	1725	1276	2333
NAVASOTA RV TRIB 6	0.6227	1728	1278	2337
NED BRANCH	0.15657	380	281	514
NED BRANCH	1.2264	2480	1834	3354
NED BRANCH	1.99133	3211	2374	4342
NED BRANCH	2.38939	3613	2672	4886
NED BRANCH	2.86656	4153	3071	5616
NED BRANCH	3.82142	4974	3678	6727
NED BRANCH	4.69252	5489	4059	7423
NED BRANCH TRIB 1	0.11093	331	244	447
NED BRANCH TRIB 2	0.44873	1203	889	1627
NED BRANCH TRIB 3	0.31871	961	711	1300
NORTH MINERAL CR TRIB 10	1.02544	2021	1494	2733
NORTH MINERAL CR TRIB 10	1.61179	2883	2132	3899
NORTH MINERAL CR TRIB 11	0.12337	266	197	360
NORTH MINERAL CR TRIB 12	1.0944	2025	1497	2738
NORTH MINERAL CR TRIB 12	1.49973	2607	1928	3526

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
NORTH MINERAL CR TRIB 13	0.21791	581	430	786
NORTH MINERAL CR TRIB 14	0.92069	1878	1388	2539
NORTH MINERAL CR TRIB 14	1.45076	2735	2022	3699
NORTH MINERAL CR TRIB 14	2.07966	3531	2611	4775
NORTH MINERAL CR TRIB 14 1	0.50568	1213	897	1641
NORTH MINERAL CR TRIB 14 2	0.44506	1273	942	1722
NORTH MINERAL CR TRIB 15 1	0.6337	1185	876	1602
NORTH MINERAL CR TRIB 2	0.89881	2024	1497	2737
NORTH MINERAL CR TRIB 3	0.40847	1214	898	1642
NORTH MINERAL CR TRIB 3	1.1951	2795	2067	3780
NORTH MINERAL CR TRIB 4	0.5385	1406	1040	1902
NORTH MINERAL CR TRIB 5	0.76887	1919	1419	2595
NORTH MINERAL CR TRIB 6	0.35162	818	605	1107
NORTH MINERAL CR TRIB 6	0.73856	1445	1069	1954
NORTH MINERAL CR TRIB 6	1.01719	1750	1294	2367
NORTH MINERAL CR TRIB 6 1	0.16814	537	397	726
NORTH MINERAL CR TRIB 6 2	0.20661	672	497	909
NORTH MINERAL CR TRIB 7	0.94715	1594	1179	2156
NORTH MINERAL CR TRIB 8	0.61723	1124	831	1520
NORTH MINERAL CR TRIB 8	1.05673	1679	1241	2271
NORTH MINERAL CR TRIB 8	1.58725	2287	1691	3093
NORTH MINERAL CR TRIB 8	3.33977	4287	3170	5797
NORTH MINERAL CR TRIB 8	3.80384	4617	3414	6245
NORTH MINERAL CR TRIB 8	4.77197	5211	3853	7047
NORTH MINERAL CR TRIB 8	5.39988	5415	4004	7323
NORTH MINERAL CR TRIB 8	5.80387	5640	4170	7627
NORTH MINERAL CR TRIB 8	8.49843	7509	5553	10155
NORTH MINERAL CR TRIB 8 1	0.66369	1462	1081	1977
NORTH MINERAL CR TRIB 8 1	1.7822	3027	2238	4094
NORTH MINERAL CR TRIB 8 1	2.51709	3620	2677	4896
NORTH MINERAL CR TRIB 8 1 2	0.39332	839	620	1134
NORTH MINERAL CR TRIB 8 1 3	0.27575	625	462	846
NORTH MINERAL CR TRIB 8 2	0.27297	615	455	832
NORTH MINERAL CR TRIB 8 3	0.22988	494	365	668
NORTH MINERAL CR TRIB 8 4	0.51456	1029	761	1392
NORTH MINERAL CR TRIB 8 5	0.41573	891	659	1205
NORTH MINERAL CR TRIB 8 6	0.47869	911	674	1232
NORTH MINERAL CR TRIB 8 6	0.79192	1426	1055	1929

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
NORTH MINERAL CR TRIB 8 6	1.29778	2143	1584	2898
NORTH MINERAL CR TRIB 8 6	1.64034	2538	1876	3432
NORTH MINERAL CR TRIB 8 6 1	0.27647	611	452	827
NORTH MINERAL CR TRIB 8 6 2	0.31081	798	590	1080
NORTH MINERAL CR TRIB 8 6 3	0.28149	636	470	860
NORTH MINERAL CR TRIB 8 7	0.41457	852	630	1153
NORTH MINERAL CR TRIB 8 8	0.28696	629	465	850
NORTH MINERAL CR TRIB 9	0.32256	985	728	1331
NORTH MINERAL CREEK	0.17812	352	260	476
NORTH MINERAL CREEK	1.27841	2205	1631	2983
NORTH MINERAL CREEK	1.92488	2950	2181	3990
NORTH MINERAL CREEK	4.20182	6497	4804	8787
NORTH MINERAL CREEK	4.82856	6438	4760	8706
NORTH MINERAL CREEK	6.33891	8167	6039	11045
NORTH MINERAL CREEK	6.70259	8259	6107	11169
NORTH MINERAL CREEK	8.5898	9405	6954	12719
NORTH MINERAL CREEK	9.25098	9602	7100	12986
NORTH MINERAL CREEK	17.75855	13268	9811	17944
NORTH MINERAL CREEK	18.70974	14193	10495	19195
NORTH MINERAL CREEK	19.83534	14301	10575	19340
NORTH MINERAL CREEK	20.50584	14635	10822	19793
NORTH MINERAL CREEK	22.12582	14885	11006	20130
NORTH MINERAL CREEK	23.62519	15386	11377	20808
OLIVER BRANCH	0.38381	831	614	1123
OLIVER BRANCH	1.22936	1894	1401	2562
OLIVER BRANCH	2.50346	3327	2460	4499
OLIVER BRANCH	2.66515	3450	2551	4666
OLIVER BRANCH	3.01362	3660	2706	4950
OLIVER BRANCH TRIB 2	0.91845	1604	1186	2170
OLIVER BRANCH TRIB 4	0.48209	923	682	1248
PEPPER BRANCH	1.229	2078	1536	2810
PEPPER BRANCH	2.21247	3551	2626	4803
PEPPER BRANCH	3.09039	4416	3265	5972
PEPPER BRANCH	3.99637	5371	3972	7264
PEPPER BRANCH	4.19572	5568	4118	7531
PEPPER BRANCH TRIB 1	0.7122	1661	1228	2246
PEPPER BRANCH TRIB 2	0.43363	1059	783	1432
RED OAK CR TRIB 1	0.20437	672	497	908

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
RED OAK CR TRIB 4	0.5418	1296	958	1752
RED OAK CR TRIB 5	0.69489	1581	1169	2139
RED OAK CR TRIB 6	0.45465	1009	746	1365
RED OAK CR TRIB 7	0.50066	1281	947	1732
RED OAK CR TRIB 7	1.13583	2488	1840	3364
RED OAK CR TRIB 7	1.49641	3105	2296	4199
RED OAK CR TRIB 7 1	0.21827	594	439	803
RED OAK CR TRIB 7 2	0.49061	1205	891	1630
RED OAK CREEK	0.1841	507	375	685
RED OAK CREEK	1.82408	3421	2530	4626
RED OAK CREEK	2.32573	4231	3129	5722
RED OAK CREEK	3.12026	5278	3903	7138
RED OAK CREEK	3.89298	6158	4554	8328
RED OAK CREEK	4.60213	6652	4918	8995
RED OAK CREEK	5.66989	7411	5480	10023
RED OAK CREEK TRIB 2	0.22455	639	473	865
SAND BRANCH	1.30406	2350	1737	3178
SHAW BRANCH	1.50062	2763	2043	3736
SHAW BRANCH	2.07141	2993	2213	4047
SHAW BRANCH	2.34052	3506	2592	4741
SHAW BRANCH	3.98561	5007	3702	6771
SHESKY BRANCH	0.88187	1852	1370	2505
SHESKY BRANCH	1.6295	2938	2173	3973
SHESKY BRANCH TRIB 1	0.31288	740	547	1001
SOUTH MINERAL CR TRIB 1	1.18438	1796	1328	2428
SOUTH MINERAL CR TRIB 1	2.17964	3018	2231	4081
SOUTH MINERAL CR TRIB 1	2.38904	3138	2320	4244
SOUTH MINERAL CR TRIB 10	0.6071	1113	823	1505
SOUTH MINERAL CR TRIB 11	1.07843	2251	1664	3044
SOUTH MINERAL CR TRIB 11	2.01106	3489	2580	4718
SOUTH MINERAL CR TRIB 11	2.41235	3903	2886	5279
SOUTH MINERAL CR TRIB 12	0.6219	1319	975	1783
SOUTH MINERAL CR TRIB 12	1.83489	3255	2407	4403
SOUTH MINERAL CR TRIB 12 1	0.5811	1109	820	1500
SOUTH MINERAL CR TRIB 13	1.47803	2290	1693	3097
SOUTH MINERAL CR TRIB 3	0.79049	1785	1320	2414
SOUTH MINERAL CR TRIB 4 1	1.19395	2507	1853	3390
SOUTH MINERAL CR TRIB 4 1	1.46888	3086	2282	4174

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
SOUTH MINERAL CR TRIB 4 1	2.15102	4168	3082	5637
SOUTH MINERAL CR TRIB 5	1.00176	2022	1495	2734
SOUTH MINERAL CR TRIB 5	1.65119	2884	2133	3900
SOUTH MINERAL CR TRIB 6	0.66431	1692	1251	2289
SOUTH MINERAL CR TRIB 7	0.97934	2186	1617	2957
SOUTH MINERAL CR TRIB 8	1.05404	1892	1399	2559
SOUTH MINERAL CR TRIB 8	1.41839	2426	1794	3280
SOUTH MINERAL CR TRIB 9	0.71597	1667	1233	2255
SOUTH MINERAL CR TRIB 9	2.08387	3918	2897	5299
SOUTH MINERAL CR TRIB 9 1	0.44959	1167	863	1578
SOUTH MINERAL CREEK	1.02283	2444	1807	3306
SOUTH MINERAL CREEK	1.61846	3031	2241	4100
SOUTH MINERAL CREEK	2.25165	3779	2794	5111
SOUTH MINERAL CREEK	3.17477	5001	3698	6763
SOUTH MINERAL CREEK	3.7721	5780	4274	7817
SOUTH MINERAL CREEK	6.18898	7912	5850	10700
SOUTH MINERAL CREEK	8.16205	9685	7162	13098
SOUTH MINERAL CREEK	10.9809	11824	8743	15991
SOUTH MINERAL CREEK	11.6019	12395	9165	16763
SOUTH MINERAL CREEK	14.28866	13957	10321	18876
SOUTH MINERAL CREEK	15.7249	15012	11101	20302
SOUTH MINERAL CREEK	17.04142	15352	11352	20761
SOUTH MINERAL CREEK	17.83235	15861	11728	21450
SOUTH MINERAL CREEK	19.87038	16203	11981	21913
SOUTH MINERAL CREEK	22.0539	17390	12859	23519
SOUTH MINERAL CREEK	22.84564	17658	13057	23881
UNT0265 IN DUCK CR	1.24774	2285	1690	3090
UNT0265 IN DUCK CR	1.47282	2187	1617	2958
UNT0266 IN DUCK CR	1.9968	2734	2021	3697
UNT0266 IN DUCK CR	2.42141	3098	2291	4190
UNT0273 IN DUCK CR	1.19259	2180	1612	2949
UNT0273 IN DUCK CR	1.93438	3294	2436	4455
UNT0273 IN DUCK CR	2.69599	4238	3133	5731
UNT0273 IN DUCK CR	4.49443	6114	4521	8269
UNT0274 IN DUCK CR	1.31921	2151	1590	2909
UNT0278 IN DUCK CR	1.27554	3389	2506	4583
UNT0278 IN DUCK CR	1.61496	3813	2819	5156
UNT0278 IN DUCK CR	3.38838	6304	4662	8526

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT0279 IN DUCK CR	1.16658	2728	2017	3689
UNT0279 IN DUCK CR	1.43104	3173	2346	4292
UNT0282 IN DUCK CR	1.16237	2424	1793	3279
UNT0282 IN DUCK CR	1.3697	2582	1909	3492
UNT0283 IN DUCK CR	1.62527	4152	3070	5615
UNT0284 IN DUCK CR	1.10821	1671	1236	2260
UNT0284 IN DUCK CR	1.4539	2029	1500	2743
UNT0285 IN DUCK CR	1.00024	3277	2423	4432
UNT0285 IN DUCK CR	1.36504	3810	2817	5153
UNT0286 IN DUCK CR	1.06704	1226	907	1659
UNT0286 IN DUCK CR	2.05957	2282	1688	3086
UNT0286 IN DUCK CR	3.60431	3711	2744	5019
UNT0288 IN DUCK CR	1.31849	4034	2983	5456
UNT0288 IN DUCK CR	1.93223	4661	3446	6303
UNT0288 IN DUCK CR	2.75922	5957	4405	8056
UNT0288 IN DUCK CR	4.66069	8816	6519	11923
UNT0291 IN DUCK CR	1.95375	4462	3299	6034
UNT0291 IN DUCK CR	2.384	4721	3491	6384
UNT0297 IN DUCK CR	1.30029	2018	1492	2729
UNT0297 IN DUCK CR	1.9021	2889	2136	3907
UNT0297 IN DUCK CR	2.62712	3847	2844	5202
UNT03099 IN DUCK CR	1.17035	2229	1648	3014
UNT03205 IN DUCK CR	0.17621	388	287	525
UNT03206 IN DUCK CR	0.19908	480	355	649
UNT1037 IN DUCK CR	0.98311	1583	1170	2140
UNT1061 IN DUCK CR	0.21997	474	350	641
UNT1065 IN DUCK CR	0.58334	1014	750	1372
UNT5862 IN DUCK CR	0.06223	190	141	258
UNT6083 IN DUCK CR	0.07201	212	157	287
UNT6325 IN DUCK CR	0.08985	282	209	382
YELLOW BRANCH	0.57177	1206	892	1631
YELLOW BRANCH	2.002	3525	2607	4768
YELLOW BRANCH	2.39074	3902	2885	5277
Cedar Creek – Navasota River (CEDR)				
BEE BRANCH EAST	1.04265	1278	945	1728
BEE BRANCH EAST	1.98908	1880	1390	2542
BEE CREEK	0.38991	473	350	640
BEE CREEK	1.86614	1366	1010	1848

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BEE CREEK	4.29338	2763	2043	3737
BEE CREEK	4.93814	3031	2241	4099
BEE CREEK	10.65036	5287	3910	7151
BEE CREEK	11.27611	5518	4080	7462
BEE CREEK	16.14534	7022	5192	9497
BEE CREEK	19.00028	7628	5640	10316
BEE CREEK	20.34147	8013	5925	10837
BEE CREEK	22.03973	8263	6110	11174
BEE CREEK	22.88941	8156	6031	11031
BEE CREEK	23.43704	8219	6077	11115
BEE CREEK NORTH TRIB 11	0.49886	616	455	832
BEE CREEK NORTH TRIB 7	1.25608	1277	944	1727
BEE CREEK NORTH TRIB 8 1	0.28526	387	286	523
BEE CREEK NORTH TRIBUTARY 8	0.39834	546	403	738
BEE CREEK NORTH TRIBUTARY 8	0.91765	916	678	1239
BEE CREEK TRIBUTARY 1	0.95979	855	632	1157
BOGGY BRANCH	0.74403	1410	1042	1906
BOGGY BRANCH	1.67388	2795	2066	3779
BOGGY BRANCH	2.25273	3388	2505	4582
BOGGY BRANCH	2.62676	3700	2736	5004
BOGGY BRANCH	3.61983	4717	3488	6380
BOGGY BRANCH	3.99879	5013	3707	6780
BOGGY BRANCH TRIBUTARY 2	0.85514	1616	1195	2186
BRUSHY CREEK	1.00902	1213	897	1641
BRUSHY CREEK	2.21103	2004	1482	2710
BRUSHY CREEK	3.53903	2602	1924	3519
BRUSHY CREEK	5.02773	3491	2581	4721
BRUSHY CREEK TRIBUTARY 4	0.47008	763	564	1032
BUCKHORN BRANCH	0.33246	428	317	579
CAJKA BRANCH	0.78789	825	610	1116
CAMP CREEK	1.19824	2738	2025	3703
CAMP CREEK	1.7883	3399	2513	4597
CAMP CREEK	2.4788	4375	3235	5917
CAMP CREEK	3.31126	4982	3684	6737
CAMP CREEK	7.08102	8728	6454	11804
CAMP CREEK	7.9992	9254	6842	12515
CAMP CREEK	9.29106	10124	7486	13692
CAMP CREEK	10.24799	10399	7689	14063

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CAMP CREEK	18.05152	15350	11350	20758
CAMP CREEK	18.57791	15389	11379	20812
CAMP CREEK	29.77565	21234	15701	28717
CAMP CREEK	32.25607	22198	16414	30021
CAMP CREEK	33.15954	22215	16427	30043
CAMP CREEK	34.5504	22333	16514	30203
CAMP CREEK	40.69315	26913	19901	36397
CAMP CREEK	41.71076	26346	19481	35630
CAMP CREEK	43.55996	25858	19121	34970
CAMP CREEK TRIBUTARY 22	0.25782	828	612	1119
CAMP CREEK TRIBUTARY 22	2.96681	4404	3257	5956
CAMP CREEK TRIBUTARY 22 1	1.00902	2149	1589	2907
CAMP CREEK TRIBUTARY 22 1	1.20129	2503	1851	3385
CAMP CREEK TRIBUTARY 22 1	2.53359	4086	3021	5526
CAMP CREEK TRIBUTARY 22 1 1	1.3176	2313	1711	3128
CAMP CREEK TRIBUTARY 9	0.61033	1264	935	1709
CARRYALL CREEK	1.26648	2677	1979	3620
CARRYALL CREEK	2.60139	4629	3423	6260
CARRYALL CREEK	3.37071	5828	4310	7882
CARRYALL CREEK	4.60823	6944	5134	9391
CARRYALL CREEK	5.26716	7514	5556	10162
CARRYALL CREEK	5.44014	7488	5537	10126
CARRYALL CREEK	7.27974	8881	6567	12011
CARTER CREEK	1.00194	1122	830	1518
CARTER CREEK	1.55407	1436	1062	1942
CARTER CREEK	7.76757	4480	3313	6059
CARTER CREEK	9.2499	4781	3535	6466
CARTER CREEK	10.19436	5071	3750	6858
CARTER CREEK	10.91795	5032	3721	6805
CEDAR CREEK	2.11158	2962	2190	4005
CEDAR CREEK	2.83831	3055	2259	4131
CEDAR CREEK	5.63321	4171	3084	5640
CEDAR CREEK	8.5212	5845	4322	7905
CEDAR CREEK	9.0667	5978	4420	8084
CEDAR CREEK	13.05312	8088	5981	10939
CEDAR CREEK	16.63151	9254	6843	12515
CEDAR CREEK	18.60042	9803	7249	13257
CEDAR CREEK	19.53215	9680	7158	13091

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CEDAR CREEK	20.60439	9640	7128	13037
CEDAR CREEK	26.9855	11035	8160	14924
CEDAR CREEK	29.93106	11583	8565	15664
CEDAR CREEK	31.63022	12011	8882	16244
CEDAR CREEK	32.81752	11689	8643	15808
CEDAR CREEK	38.17294	12940	9568	17500
CEDAR CREEK	48.63389	14941	11048	20206
CEDAR CREEK	49.7438	15041	11122	20341
CEDAR CREEK	52.42275	15417	11400	20850
CEDAR CREEK	53.97611	15445	11421	20888
CEDAR CREEK	54.90173	15477	11444	20930
CEDAR CREEK	61.84205	16421	12142	22207
CEDAR CREEK	64.7142	16722	12365	22614
CEDAR CREEK	65.3071	16827	12443	22757
CEDAR CREEK	67.60629	16658	12317	22528
CEDAR CREEK	92.23521	20916	15466	28286
CEDAR CREEK	99.49343	21402	15825	28944
CEDAR CREEK	101.12309	22174	16397	29988
CEDAR CREEK	108.74082	23237	17182	31425
CEDAR CREEK	109.9575	22934	16959	31016
CEDAR CREEK	111.79707	23341	17259	31567
CEDAR CREEK	112.75617	23120	17096	31267
CEDAR CREEK	117.18829	23378	17287	31616
CEDAR CREEK	118.97544	23424	17321	31678
CEDAR CREEK	120.01792	23427	17323	31682
CEDAR CREEK	120.95402	23064	17054	31191
CEDAR CREEK TRIBUTARY 11	0.83183	1000	739	1352
CEDAR CREEK TRIBUTARY 12	0.70054	741	548	1002
CEDAR CREEK TRIBUTARY 13	0.35484	429	317	580
CEDAR CREEK TRIBUTARY 14	0.91639	954	706	1291
CEDAR CREEK TRIBUTARY 16	1.0014	937	693	1268
CEDAR CREEK TRIBUTARY 16	1.75925	1416	1047	1914
CEDAR CREEK TRIBUTARY 2	0.41358	560	414	757
CEDAR CREEK TRIBUTARY 21	0.15379	243	179	328
CEDAR CREEK TRIBUTARY 21	0.42156	597	442	808
CEDAR CREEK TRIBUTARY 4	1.46978	1266	936	1712
CEDAR CREEK TRIBUTARY 7	0.76231	1018	753	1377
CERCEY BRANCH	1.05001	2066	1528	2794

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CERCEY BRANCH	2.04244	3606	2666	4876
CERCEY BRANCH	2.85571	4229	3127	5719
CERCEY BRANCH	3.77514	5228	3866	7070
CLEAR CREEK	0.18096	568	420	768
CLEAR CREEK	2.56704	4412	3262	5966
CLEAR CREEK	4.2298	6532	4830	8834
CLEAR CREEK	8.55044	10251	7580	13863
CLEAR CREEK	10.17974	11457	8472	15495
CLEAR CREEK	12.42127	13094	9682	17708
CLEAR CREEK	16.7671	16600	12275	22450
CLEAR CREEK	18.74156	17907	13241	24217
CLEAR CREEK	20.51472	18610	13761	25168
CLEAR CREEK	21.78929	19033	14074	25740
CLEAR CREEK	22.30637	18924	13993	25592
CLEAR CREEK	25.94208	20813	15390	28148
CLEAR CREEK	27.22634	21684	16034	29325
CLEAR CREEK	28.06097	21707	16051	29356
CLEAR CREEK	28.98182	22246	16449	30085
CLEAR CREEK	30.27631	22596	16709	30559
CLEAR CREEK	54.09259	34620	25599	46819
CLEAR CREEK	55.85272	34370	25414	46481
CLEAR CREEK	56.56772	33743	24951	45634
CLEAR CREEK	57.09115	33235	24575	44947
CLEAR CREEK	59.16471	33896	25064	45841
COBB BRANCH 1	1.11197	2642	1953	3572
COBB BRANCH 1	1.6763	3446	2548	4661
COBB BRANCH 1	4.09807	6620	4895	8953
COBB BRANCH 1	5.03131	6807	5033	9205
COBB BRANCH 1	5.43817	6881	5088	9306
COBB BRANCH 2	1.06435	1277	944	1727
COBB BRANCH 2	1.7119	1700	1257	2300
COBB BRANCH 2	3.57257	2838	2099	3838
COBB BRANCH 2	4.05412	2949	2180	3988
COBB BRANCH 2	4.82031	3387	2504	4580
COBB BRANCH SOUTH	0.87747	912	674	1233
COOK BRANCH	0.83775	1109	820	1500
COPPERAS CREEK	1.13466	1395	1032	1887
COPPERAS CREEK	2.18467	1868	1381	2526

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
COPPERAS CREEK	5.41539	3632	2685	4912
COPPERAS CREEK	6.02662	3861	2855	5221
COPPERAS CREEK	9.8119	5352	3958	7238
COPPERAS CREEK	10.33621	5429	4015	7342
COPPERAS CREEK TRIBUTARY 10	1.43758	1565	1157	2117
COPPERAS CREEK TRIBUTARY 10	1.64482	1600	1183	2164
COPPERAS CREEK TRIBUTARY 10	2.25999	2122	1569	2869
COPPERAS CREEK TRIBUTARY 10 1	0.38838	505	374	684
COPPERAS CREEK TRIBUTARY 5	1.34773	1363	1008	1843
COPPERAS CREEK TRIBUTARY 5	1.71459	1438	1063	1945
COPPERAS CREEK TRIBUTARY 5	2.81383	2124	1571	2872
COPPERAS CREEK TRIBUTARY 5 1	0.62145	838	619	1133
COTTONWOOD CREEK	1.06696	2161	1598	2923
COTTONWOOD CREEK	2.21264	3285	2429	4443
COTTONWOOD CREEK	3.06016	3856	2851	5215
COTTONWOOD CREEK	4.07672	4629	3423	6261
COTTONWOOD CREEK	4.64159	4646	3435	6283
CRAZY BRANCH	0.40237	850	629	1150
CRAZY BRANCH	2.29712	3273	2420	4427
CRAZY BRANCH	2.81975	3048	2254	4122
CRAZY BRANCH	3.52065	3598	2661	4866
DEEP BRANCH	0.68395	1798	1329	2431
DEVILS JUMP CREEK	1.08328	1403	1038	1898
DEVILS JUMP CREEK	2.33066	2476	1831	3348
DEVILS JUMP CREEK	3.30883	3766	2785	5093
DEVILS JUMP CREEK	4.13896	4286	3169	5796
DEVILS JUMP CREEK	5.3432	5084	3759	6876
DEVILS JUMP CREEK	6.25897	5844	4321	7903
DEVILS JUMP CREEK	6.92498	6114	4521	8268
DEVILS JUMP CREEK	7.65279	6474	4787	8755
DEVILS JUMP CREEK	10.86881	9403	6953	12717
DEVILS JUMP CREEK	13.14647	10116	7480	13680
DEVILS JUMP CREEK TRIBUTARY 10	0.53478	913	675	1234
DEVILS JUMP CREEK TRIBUTARY 11	0.4725	716	529	968
DEVILS JUMP CREEK TRIBUTARY 12	0.81111	2282	1687	3086
DEVILS JUMP CREEK TRIBUTARY 14 1	0.41896	792	586	1072
DEVILS JUMP CREEK TRIBUTARY 2	0.7218	2111	1561	2854
DEVILS JUMP CREEK TRIBUTARY 2 2	0.80941	1832	1354	2477

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
DEVILS JUMP CREEK TRIBUTARY 2 2	2.25775	3576	2644	4837
DEVILS JUMP CREEK TRIBUTARY 2 2	3.13576	4590	3394	6208
DEVILS JUMP CREEK TRIBUTARY 2 3	0.78914	1818	1344	2458
DEVILS JUMP CREEK TRIBUTARY 3	0.47591	712	526	963
DEVILS JUMP CREEK TRIBUTARY 6	0.542	1291	955	1746
DEVILS JUMP CREEK TRIBUTARY 9	0.21361	380	281	513
DEVILS JUMP CREEK TRIBUTARY 9	0.76152	1209	894	1635
DRY CREEK	1.02544	1042	771	1409
DRY CREEK	1.96353	1679	1241	2270
DRY CREEK	3.16948	2346	1735	3172
FERRILL BRANCH	0.26607	298	220	403
FERRILL BRANCH	1.4383	1319	975	1784
FERRILL BRANCH	1.94631	1708	1263	2309
FERRILL BRANCH	2.80728	2027	1499	2742
FERRILL BRANCH	3.51204	2371	1753	3206
FERRILL BRANCH	4.44627	2685	1985	3631
FERRILL BRANCH	5.65527	3094	2288	4185
FERRILL BRANCH	7.23302	3855	2851	5214
FERRILL BRANCH TRIBUTARY 1	1.00158	1023	756	1383
FERRILL BRANCH TRIBUTARY 3	0.59697	707	523	957
FLAG BRANCH	1.00418	2653	1962	3588
FLAG BRANCH	1.93797	3448	2550	4663
GOATHOUSE BRANCH	0.77148	2071	1532	2801
HARDIN BRANCH	0.92823	923	682	1248
HARDIN BRANCH	2.22529	1936	1432	2619
HARDIN BRANCH TRIBUTARY 1	0.87272	1095	810	1481
HAYWARD BRANCH	1.13861	1661	1228	2246
HAYWARD BRANCH	2.17498	2172	1606	2937
HOG CREEK	0.70149	878	649	1187
HUDSON BRANCH	1.00194	2384	1763	3224
HUDSON BRANCH	1.56169	3177	2349	4296
IRON CREEK	0.71435	753	557	1018
IRON CREEK	1.20326	1158	856	1566
IRON CREEK TRIBUTARY 1	0.32382	445	329	602
JACK CREEK	0.57625	501	370	678
JACK CREEK	1.33311	1068	790	1445
JACK CREEK	1.94434	1441	1065	1948
JACK CREEK	2.16655	1480	1094	2001

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
JACK CREEK	2.53207	1699	1257	2298
JACK CREEK	2.67537	1761	1302	2382
JACK CREEK	5.20824	3165	2341	4281
JACK CREEK	7.03815	3661	2707	4951
JACK CREEK TRIBUTARY 2	0.08322	139	103	188
JACK CREEK TRIBUTARY 3	0.16168	275	203	372
JACK CREEK TRIBUTARY 4	0.39027	480	355	649
LITTLE CEDAR CREEK	1.05467	1066	788	1442
LITTLE CEDAR CREEK	2.05042	1717	1269	2321
LITTLE CEDAR CREEK	2.85355	2230	1649	3016
LITTLE CEDAR CREEK	3.83729	2684	1985	3630
LITTLE CEDAR CREEK	4.30109	2843	2102	3845
LITTLE CEDAR CREEK	5.61268	3294	2436	4455
LITTLE CEDAR CREEK	7.31552	3986	2948	5391
LITTLE CEDAR CREEK	10.26754	5149	3807	6963
LITTLE CEDAR CREEK	11.86636	5536	4093	7487
LITTLE CEDAR CREEK	13.24601	6096	4507	8244
LITTLE CEDAR CREEK	13.65609	6138	4538	8300
LITTLE CEDAR CREEK	18.72292	7704	5697	10419
LITTLE CEDAR CREEK	19.54883	7706	5698	10421
LITTLE CEDAR CREEK	24.24027	9151	6767	12376
LITTLE CEDAR CREEK	26.86524	9362	6923	12661
LITTLE CEDAR CREEK TRIBUTARY 1	1.04292	1022	756	1383
LITTLE CEDAR CREEK TRIBUTARY 1	1.33948	1252	926	1693
LITTLE CEDAR CREEK TRIBUTARY 10	0.52065	567	419	767
LITTLE CEDAR CREEK TRIBUTARY 13	0.31906	361	267	489
LITTLE CEDAR CREEK TRIBUTARY 2	0.29638	399	295	540
LITTLE CEDAR CREEK TRIBUTARY 4	0.88859	932	689	1260
LITTLE CEDAR CREEK TRIBUTARY 4 1	0.12375	200	148	270
LITTLE CEDAR CREEK TRIBUTARY 6	0.99889	998	738	1350
LONG GLADE BRANCH	1.06875	3460	2558	4679
LONG GLADE BRANCH	2.15122	5061	3742	6844
MCDONALD CREEK	1.00104	1022	756	1382
MCDONALD CREEK	1.20017	1182	874	1599
MCDONALD CREEK	2.80109	2256	1668	3051
MCDONALD CREEK	2.88721	2266	1675	3064
MCDONALD CREEK	3.92544	2716	2009	3674
MELTON BRANCH	1.00203	1149	850	1554

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
MELTON BRANCH	1.72329	1613	1193	2182
MILL BRANCH	1.35679	3232	2390	4372
MILL CREEK EAST	1.99863	2420	1789	3272
MILL CREEK EAST	3.9119	4909	3630	6638
MILL CREEK EAST	4.81197	6021	4452	8143
MILL CREEK EAST	6.76859	7805	5772	10556
MILL CREEK EAST TRIBUTARY 1	1.00598	2273	1680	3073
MILLER BRANCH	1.07834	3132	2316	4236
MILLER BRANCH	1.7084	4011	2966	5424
MOORES BRANCH	0.89944	1063	786	1437
MOORES BRANCH	2.52391	2245	1660	3036
MOORES BRANCH	4.78236	3663	2709	4954
MOORES BRANCH	5.85434	4084	3020	5524
MOORES BRANCH	6.17234	4186	3095	5661
MOORES BRANCH TRIBUTARY 2	1.00759	1323	979	1790
MOORES BRANCH TRIBUTARY 2	1.31329	1551	1147	2098
MOORES BRANCH TRIBUTARY 3	1.02544	1077	796	1457
MOORES BRANCH TRIBUTARY 3	1.21223	1231	910	1665
MORTON BRANCH	0.86904	1741	1287	2354
MOSS SPRING BRANCH	1.0414	1288	953	1742
MOSS SPRING BRANCH	2.04199	2032	1503	2749
MOSS SPRING BRANCH	2.26367	2122	1569	2870
MYRTLE CREEK	0.81219	919	679	1243
NAVASOTA RIVER TRIBUTARY 1	0.64306	746	552	1009
NAVASOTA RIVER TRIBUTARY 1	1.41516	1392	1029	1882
NAVASOTA RIVER TRIBUTARY 1	2.02101	1836	1358	2483
NAVASOTA RIVER TRIBUTARY 1 1	0.55159	779	576	1054
NAVASOTA RIVER TRIBUTARY 2	8.51815	4331	3202	5857
NAVASOTA RIVER TRIBUTARY 2	9.21726	4422	3270	5980
NAVASOTA RIVER TRIBUTARY 2	11.91559	5058	3740	6840
NAVASOTA RIVER TRIBUTARY 2 1	1.73619	1293	956	1748
NAVASOTA RIVER TRIBUTARY 2 1	2.37765	1609	1190	2176
NAVASOTA RIVER TRIBUTARY 2 1	5.81696	3234	2391	4373
NAVASOTA RIVER TRIBUTARY 2 2	1.16135	1249	923	1689
NAVASOTA RIVER TRIBUTARY 2 2	2.47181	2144	1586	2900
NAVASOTA RIVER TRIBUTARY 3	1.05915	1270	939	1718
NAVASOTA RIVER TRIBUTARY 3	2.24825	2028	1499	2742
NAVASOTA RIVER TRIBUTARY 3 1	1.00015	1804	1334	2440

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
NAVASOTA RIVER TRIBUTARY 3 1	2.11615	3159	2336	4272
NAVASOTA RIVER TRIBUTARY 3 1	3.48469	4762	3521	6440
OLD CEDAR CREEK	1.0014	1026	758	1387
OLD CEDAR CREEK	1.93748	1700	1257	2300
OLD CEDAR CREEK	2.66481	2118	1566	2864
OLD CEDAR CREEK	3.3334	2275	1682	3077
OLD CEDAR CREEK	3.85382	2434	1800	3292
ORCHARD BRANCH	1.16579	2756	2038	3728
PARKER BRANCH	0.64575	738	546	998
PARKER BRANCH	0.80837	912	675	1234
PECAN BRANCH	1.23267	1023	756	1383
PECAN BRANCH	1.84489	1338	990	1810
PIGEON ROOST CREEK	1.33939	3240	2396	4382
PIGEON ROOST CREEK	2.63235	4838	3578	6543
PIGEON ROOST CREEK	5.28179	8299	6137	11223
PIGEON ROOST CREEK	9.34162	12748	9426	17240
PIGEON ROOST CREEK	10.47074	13544	10015	18317
PIGEON ROOST CREEK	11.4569	14156	10468	19145
PIGEON ROOST CREEK	12.65119	14862	10990	20099
PIGEON ROOST CREEK	18.97957	19584	14481	26485
PIGEON ROOST CREEK	20.04616	20192	14930	27307
PIGEON ROOST CREEK	22.88035	21596	15969	29206
RAYLEIGH BRANCH	1.2933	1189	879	1608
RAYLEIGH BRANCH	5.81373	3581	2648	4842
RED BANK CREEK	1.17627	2014	1489	2724
RED BANK CREEK	2.48427	3913	2894	5292
RED BANK CREEK	3.42344	4584	3390	6199
RED BANK CREEK	4.04126	4897	3621	6623
REISS CREEK	1.02579	2254	1666	3048
REISS CREEK	1.88533	3422	2531	4628
REISS CREEK	2.02316	3584	2650	4847
REISS CREEK	2.41119	3917	2896	5297
REISS CREEK	2.78988	4297	3177	5811
REISS CREEK	6.93512	7912	5851	10701
REISS CREEK	7.91625	8583	6346	11607
REISS CREEK	8.22545	8777	6490	11870
REISS CREEK	8.78915	9225	6821	12475
REISS CREEK	9.49364	9368	6927	12669

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
REISS CREEK	10.14127	9734	7198	13164
ROCKY BRANCH	0.72906	1587	1173	2146
ROCKY BRANCH	2.32546	4009	2964	5422
ROCKY BRANCH	3.11567	4165	3080	5633
ROCKY BRANCH	3.54558	4109	3038	5557
ROCKY BRANCH TRIBUTARY 1	0.23845	436	323	590
ROCKY CREEK	0.74296	622	460	841
ROCKY CREEK	2.24968	1541	1140	2085
ROCKY CREEK	2.38706	1594	1178	2155
ROCKY CREEK TRIBUTARY 1	0.509	431	319	584
RUNNING CREEK	0.89083	1722	1274	2329
RUNNING CREEK	2.46965	3671	2714	4964
RUNNING CREEK	2.66586	4631	3425	6264
RUNNING CREEK	5.03652	7506	5550	10151
RUNNING CREEK	5.74674	7789	5760	10534
RUNNING CREEK	11.56029	15341	11344	20747
RUNNING CREEK	12.80696	15628	11556	21136
RUNNING CREEK	20.76482	20071	14841	27144
SAND BRANCH	1.67002	1503	1111	2032
SAND BRANCH	2.65071	1905	1409	2576
SAND BRANCH	2.95166	2111	1561	2855
SANDY BRANCH	1.04436	976	722	1320
SANDY BRANCH SOUTH	1.06068	1724	1275	2332
SANDY BRANCH SOUTH	1.94748	3275	2422	4429
SANDY CREEK	1.07269	2635	1948	3563
SANDY CREEK	2.00334	4285	3169	5795
SANDY CREEK	3.02438	5934	4388	8025
SANDY CREEK	4.14443	7088	5241	9585
SANDY CREEK	4.61746	7330	5420	9913
SANDY CREEK	5.87471	8633	6383	11675
SANDY CREEK	6.74931	9188	6794	12425
SHEPHERD CREEK	1.29392	1152	852	1558
SHEPHERD CREEK	2.22072	1685	1246	2279
SHEPHERD CREEK	2.953	2073	1533	2804
SHEPHERD CREEK	6.4324	3710	2743	5017
SHEPHERD CREEK	7.29803	3965	2932	5363
SHEPHERD CREEK	9.49552	4753	3514	6428
SHEPHERD CREEK	10.1688	4943	3655	6685

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
SHEPHERD CREEK	12.37033	5637	4168	7624
SHEPHERD CREEK	13.46706	5874	4344	7944
SHEPHERD CREEK	16.22466	6594	4875	8917
SHEPHERD CREEK	20.16507	7668	5670	10370
SHEPHERD CREEK	23.70428	8468	6262	11452
SHEPHERD CREEK	26.30155	8644	6392	11690
SMITH BRANCH	1.42754	1079	798	1459
SMITH BRANCH	2.67205	1712	1266	2316
SMITH BRANCH	3.71784	2298	1699	3108
SMITH BRANCH	5.24098	3026	2237	4092
SMITH BRANCH	5.92188	3330	2462	4504
SMITH BRANCH TRIBUTARY 1	0.37269	474	351	641
SMITH BRANCH TRIBUTARY 1 1	0.29118	377	279	510
SMITH CREEK	0.37744	526	389	712
SMITH CREEK	0.72413	881	652	1192
SMITH CREEK	1.33087	1417	1048	1916
SMITH CREEK TRIBUTARY 2	0.12976	234	173	317
SNAKE BRANCH	0.55706	741	548	1002
SNAKE BRANCH	1.88542	1613	1193	2181
SNAKE BRANCH	2.55754	2024	1496	2737
SNAKE BRANCH	2.93336	2218	1640	3000
SNAKE BRANCH TRIBUTARY 1	0.09138	109	80	147
SNAKE BRANCH TRIBUTARY 2	0.32534	402	298	544
SPARKS BRANCH	1.00015	928	686	1255
SPARKS BRANCH	1.92533	1484	1098	2008
SPRING BRANCH	1.11439	2227	1647	3012
SPRING BRANCH	1.74355	3263	2413	4413
SYCAMORE BRANCH	1.00015	3046	2252	4120
SYCAMORE BRANCH	1.77727	4573	3381	6184
SYCAMORE BRANCH	2.73868	6327	4678	8557
SYCAMORE BRANCH	3.89101	8138	6018	11006
SYCAMORE BRANCH	4.80471	9110	6736	12321
SYCAMORE BRANCH	5.4127	9478	7008	12818
TIGER BRANCH	0.73919	697	516	943
TIGER BRANCH	2.64004	2049	1515	2770
TIGER BRANCH	3.02815	2142	1584	2897
TIGER BRANCH	4.71019	2825	2089	3821
TIGER BRANCH TRIBUTARY 1	0.90922	867	641	1172

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
TIGER BRANCH TRIBUTARY 2	0.91182	951	703	1286
TOMLIN BRANCH	1.1213	2816	2082	3808
TOMLIN BRANCH	1.97267	4206	3110	5688
TOMLIN BRANCH	2.70564	5300	3919	7168
TOWN BRANCH	1.07727	1066	788	1442
TOWN BRANCH	1.97348	1605	1187	2170
TOWN BRANCH	2.97103	2221	1642	3004
TOWN BRANCH	3.65471	2440	1805	3300
UNNAMED TRIB TO WEST CANEY CREEK	0.84653	1628	1204	2202
UNNAMED TRIB TO WEST CANEY CREEK	1.84794	2926	2164	3957
UNT0347 IN CEDR CR	1.18237	2738	2025	3703
UNT0347 IN CEDR CR	1.83233	3651	2700	4937
UNT0349 IN CEDR CR	1.08552	2954	2184	3995
UNT0350 IN CEDR CR	1.12381	2608	1929	3527
UNT0352 IN CEDR CR	1.29086	2706	2001	3660
UNT0354 IN CEDR CR	1.11628	3251	2404	4397
UNT0354 IN CEDR CR	1.8057	4269	3157	5773
UNT0360 IN CEDR CR	1.06803	2718	2010	3676
UNT0360 IN CEDR CR	1.95232	4003	2960	5414
UNT0363 IN CEDR CR	1.01136	3046	2252	4119
UNT0363 IN CEDR CR	2.21372	5421	4009	7332
UNT0380 IN CEDR CR	1.37535	2805	2074	3794
UNT0381 IN CEDR CR	1.2307	3122	2308	4222
UNT0381 IN CEDR CR	2.23004	4386	3243	5931
UNT0381 IN CEDR CR	3.22768	5880	4348	7952
UNT0381 IN CEDR CR	3.64754	6306	4663	8528
UNT0381 IN CEDR CR	4.76884	7579	5604	10250
UNT0388 IN CEDR CR	1.27688	2173	1606	2938
UNT0388 IN CEDR CR	1.4357	2353	1740	3182
UNT0393 IN CEDR CR	1.07646	1207	892	1632
UNT0394 IN CEDR CR	1.03934	1287	951	1740
UNT0397 IN CEDR CR	1.00104	1186	877	1604
UNT0397 IN CEDR CR	1.80731	1686	1247	2280
UNT04013 IN CEDR CR	1.13708	2146	1587	2902
UNT0403 IN CEDR CR	1.29312	2005	1483	2712
UNT0403 IN CEDR CR	2.23847	2596	1919	3511
UNT0403 IN CEDR CR	3.46442	3567	2638	4824
UNT04113 IN CEDR CR	0.27342	601	445	813

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT04118 IN CEDR CR	0.50272	1010	747	1366
UNT04119 IN CEDR CR	0.27683	671	496	907
UNT0412 IN CEDR CR	1.011	902	667	1220
UNT0412 IN CEDR CR	2.06836	1517	1122	2051
UNT0412 IN CEDR CR	3.01389	2076	1535	2808
UNT0414 IN CEDR CR	1.08937	1109	820	1499
UNT0414 IN CEDR CR	1.37346	1280	946	1731
UNT0415 IN CEDR CR	1.26989	1242	919	1680
UNT0416 IN CEDR CR	1.01109	1027	760	1389
UNT0416 IN CEDR CR	1.97303	1601	1184	2166
UNT0416 IN CEDR CR	2.72756	1945	1439	2631
UNT0419 IN CEDR CR	1.00095	1146	847	1549
UNT0419 IN CEDR CR	1.79216	1679	1242	2271
UNT0421 IN CEDR CR	1.08498	1030	762	1393
UNT04222 IN CEDR CR	0.15738	226	167	306
UNT04285 IN CEDR CR	0.33745	536	396	725
UNT04382 IN CEDR CR	1.00212	1154	853	1561
UNT04382 IN CEDR CR	1.36817	1462	1081	1978
UNT04382 IN CEDR CR	3.45716	2543	1881	3440
VESTAL BRANCH	1.1343	3079	2277	4164
VESTAL BRANCH	2.01787	4557	3369	6162
VESTAL BRANCH	3.00232	6134	4536	8296
VESTAL BRANCH	3.94329	7100	5250	9602
VESTAL BRANCH	4.32037	7152	5289	9672
WEST CANEY CREEK	1.05709	1976	1461	2673
WEST CANEY CREEK	1.39014	2261	1672	3058
WEST CANEY CREEK	3.36354	4736	3502	6405
WEST CANEY CREEK	3.94795	5344	3952	7228
WEST CANEY CREEK	5.23335	6114	4521	8268
WEST CANEY CREEK	6.19333	6238	4613	8436
WEST CANEY CREEK	14.16697	13734	10155	18573
WEST CANEY CREEK	18.82999	16516	12213	22337
WEST CANEY CREEK	20.20695	16777	12406	22689
WEST CANEY CREEK	22.52281	16556	12242	22391
WEST CANEY CREEK	23.58457	16869	12474	22813
WEST CANEY CREEK	29.32817	18726	13847	25325
WEST CANEY CREEK	31.28309	18479	13664	24991
Wickson Creek – Navasota River (WICK)				

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
ALLCORN CREEK	0.79829	841	622	1138
ALLCORN CREEK	1.03826	1015	750	1372
ALLCORN CREEK	1.6407	1524	1127	2060
ALLCORN CREEK	2.15534	1889	1397	2555
ALLCORN CREEK	3.32758	2561	1893	3463
ALLCORN CREEK	3.58925	2612	1931	3532
ALLCORN CREEK	4.18631	2799	2070	3785
ALLCORN CREEK	4.9064	3294	2436	4455
ALLCORN CREEK	7.02632	4371	3232	5911
ALLCORN CREEK	7.46788	4208	3111	5690
ALLCORN CREEK	9.96533	5188	3836	7016
ALLCORN CREEK	11.08268	5508	4073	7449
ALLCORN CREEK	12.87825	5823	4305	7874
ALLCORN CREEK TRIB 11	0.16509	252	186	340
ALLCORN CREEK TRIB 12	0.19244	293	217	397
ALLCORN CREEK TRIB 14	0.19711	309	229	418
ALLCORN CREEK TRIB 15	0.29926	369	272	498
ALLCORN CREEK TRIB 16	0.53599	618	457	835
ALLCORN CREEK TRIB 6	1.00167	1076	795	1455
ALLCORN CREEK TRIB 6	1.66096	1471	1088	1990
ALLCORN CREEK TRIB 7	0.16446	227	168	307
ALLCORN CREEK TRIB 8	0.28705	434	321	587
BOWMAN CREEK	0.41771	458	339	620
BOWMAN CREEK	1.06418	913	675	1234
BOWMAN CREEK	1.97832	1542	1140	2085
BOWMAN CREEK	2.84772	1940	1435	2624
BOWMAN CREEK	3.45985	2256	1668	3051
BOWMAN CREEK	3.98463	2417	1787	3268
BOWMAN CREEK	4.81715	2804	2073	3792
BOWMAN CREEK	5.47422	2956	2186	3997
BOWMAN CREEK	7.05439	3500	2588	4734
BOWMAN CREEK	7.27839	3614	2673	4888
BOWMAN CREEK	7.41596	3713	2745	5021
BOWMAN CREEK	8.0817	3924	2901	5306
BOWMAN CREEK	8.63321	4116	3044	5567
BOWMAN CREEK	9.64313	4434	3279	5997
BOWMAN CREEK	9.81835	4483	3315	6062
BOWMAN CREEK	10.66622	4556	3369	6161

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BOWMAN CREEK	14.41394	5674	4196	7674
BOWMAN CREEK	15.36862	5931	4386	8021
BOWMAN CREEK	16.16619	5932	4387	8023
BOWMAN CREEK	17.81666	6365	4707	8608
BOWMAN CREEK TRIB 1	2.33676	1769	1308	2392
BOWMAN CREEK TRIB 11	0.85523	775	573	1049
BOWMAN CREEK TRIB 12	0.23703	271	200	366
BOWMAN CREEK TRIB 13	0.36184	419	310	567
BOWMAN CREEK TRIB 13 1	0.13106	216	160	292
BOWMAN CREEK TRIB 13 1	0.35108	465	344	629
BOWMAN CREEK TRIB 13 1	0.72153	803	594	1086
BOWMAN CREEK TRIB 13 1 1	0.20244	296	219	400
BOWMAN CREEK TRIB 14	0.34659	399	295	540
BOWMAN CREEK TRIB 15	0.59553	559	413	756
BOWMAN CREEK TRIB 16	0.44308	480	355	649
BOWMAN CREEK TRIB 16	0.60737	598	442	808
BOWMAN CREEK TRIB 17	0.66494	645	477	873
BOWMAN CREEK TRIB 18	0.1893	251	186	340
BOWMAN CREEK TRIB 2	0.26015	349	258	471
BOWMAN CREEK TRIB 2	0.43098	551	407	745
BOWMAN CREEK TRIB 2 1	0.12492	225	166	304
BOWMAN CREEK TRIB 4	0.49402	570	421	771
BOWMAN CREEK TRIB 4	0.64647	721	533	975
BOWMAN CREEK TRIB 4 1	0.08205	123	91	166
BOWMAN CREEK TRIB 7	0.37888	369	273	499
BOWMAN CREEK TRIB 8	0.13532	196	145	265
BOWMAN CREEK TRIB 9	0.17675	285	210	385
BRUSHY CREEK	0.26867	374	276	505
BRUSHY CREEK	0.53464	699	517	945
BRUSHY CREEK	0.94787	1052	778	1423
BRUSHY CREEK	1.11386	1144	846	1547
BRUSHY CREEK	1.46753	1396	1032	1888
BRUSHY CREEK	1.96837	1765	1305	2387
BRUSHY CREEK	2.33478	1914	1415	2589
BRUSHY CREEK	3.06492	2213	1636	2993
BRUSHY CREEK	3.43002	2472	1828	3343
BRUSHY CREEK	6.38541	4005	2962	5417
BRUSHY CREEK	6.64236	4121	3047	5573

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BRUSHY CREEK	8.06189	4502	3329	6089
BRUSHY CREEK	8.25845	4625	3420	6255
BRUSHY CREEK	10.24144	5270	3897	7127
BRUSHY CREEK	11.72189	5633	4166	7618
BRUSHY CREEK TRIB 10	0.21558	293	216	396
BRUSHY CREEK TRIB 10	0.4325	520	385	704
BRUSHY CREEK TRIB 10	0.82761	817	604	1105
BRUSHY CREEK TRIB 10	1.34025	1174	868	1587
BRUSHY CREEK TRIB 10	2.00858	1646	1217	2227
BRUSHY CREEK TRIB 10	2.49207	1867	1381	2525
BRUSHY CREEK TRIB 10	2.70968	2029	1500	2744
BRUSHY CREEK TRIB 10 1	0.2689	399	295	539
BRUSHY CREEK TRIB 10 2	0.61879	681	504	921
BRUSHY CREEK TRIB 10 3	0.2866	409	302	553
BRUSHY CREEK TRIB 10 4	0.27279	348	258	471
BRUSHY CREEK TRIB 10 5	0.16016	214	159	290
BRUSHY CREEK TRIB 11	0.18455	284	210	384
BRUSHY CREEK TRIB 11	0.26553	391	289	529
BRUSHY CREEK TRIB 11	0.42672	551	407	745
BRUSHY CREEK TRIB 11 1	0.09766	193	143	261
BRUSHY CREEK TRIB 12	0.12447	220	163	297
BRUSHY CREEK TRIB 13	0.03892	73	54	99
BRUSHY CREEK TRIB 13	0.15191	279	206	377
BRUSHY CREEK TRIB 13	0.29028	461	341	623
BRUSHY CREEK TRIB 13 1	0.09003	177	131	240
BRUSHY CREEK TRIB 14	0.258	349	258	473
BRUSHY CREEK TRIB 15	0.12079	183	136	248
BRUSHY CREEK TRIB 15	0.41161	496	367	671
BRUSHY CREEK TRIB 15 1	0.14877	210	156	285
BRUSHY CREEK TRIB 16	0.1555	229	169	309
BRUSHY CREEK TRIB 2	0.64423	737	545	997
BRUSHY CREEK TRIB 2	1.01997	1097	811	1484
BRUSHY CREEK TRIB 2 1	0.37502	502	371	678
BRUSHY CREEK TRIB 4	1.27563	1377	1019	1863
BRUSHY CREEK TRIB 4	1.42799	1473	1089	1992
BRUSHY CREEK TRIB 5	0.14698	270	200	365
BRUSHY CREEK TRIB 7	0.25647	346	256	468
BRUSHY CREEK TRIB 8	0.36493	555	411	751

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BRUSHY CREEK TRIBUTARY 6	1.18139	1208	893	1633
BULL CREEK	0.35713	476	352	644
BULL CREEK	1.15511	1374	1016	1858
BULL CREEK	2.09454	2032	1502	2748
BULL CREEK	3.00959	2348	1736	3175
BULL CREEK	5.55663	3624	2680	4901
BULL CREEK	6.34246	3800	2810	5139
BULL CREEK	7.7725	4376	3236	5919
BULL CREEK	8.43341	4456	3295	6027
BULL CREEK	9.40531	4633	3425	6265
BULL CREEK	10.1341	4655	3442	6295
BULL CREEK	11.86815	4942	3655	6684
JONES CREEK	1.21061	1295	958	1751
JONES CREEK	1.52672	1403	1037	1897
JONES CREEK	2.55224	2217	1640	2999
JONES CREEK	3.33071	2591	1916	3504
JONES CREEK	3.76582	2670	1975	3611
JONES CREEK	4.66795	3099	2291	4191
JONES CREEK	5.63913	3456	2556	4675
JONES CREEK	5.8852	3480	2573	4707
JONES CREEK	6.55812	3729	2757	5043
JONES CREEK	8.59536	4490	3320	6072
JONES CREEK	9.91753	4805	3553	6498
MATHIS CREEK	1.02207	776	574	1049
MATHIS CREEK	1.64827	1054	780	1426
MATHIS CREEK	2.83701	1764	1304	2386
MATHIS CREEK	3.94028	2148	1588	2905
MATHIS CREEK	4.96581	2484	1837	3360
MATHIS CREEK	5.9742	2783	2057	3763
MATHIS CREEK	8.242	3603	2664	4873
MATHIS CREEK	9.04513	3668	2712	4961
MATHIS CREEK	10.4915	4221	3122	5709
MATHIS CREEK	10.78133	4248	3141	5745
MATHIS CREEK	11.36422	4250	3143	5748
MATHIS CREEK	12.25765	4542	3359	6143
MATHIS CREEK	13.25744	4684	3464	6335
MATHIS CREEK	13.59023	4698	3474	6354
MATHIS CREEK TRIB 10	0.89863	800	591	1082

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
MATHIS CREEK TRIB 2	0.41394	545	403	737
MATHIS CREEK TRIB 6	0.17475	228	169	309
MATHIS CREEK TRIB 6	0.72942	756	559	1023
MATHIS CREEK TRIB 6 1	0.47261	514	380	695
MATHIS CREEK TRIB 7	0.3344	435	322	588
MATHIS CREEK TRIB 9	0.33422	449	332	607
MATHIS CREEK TRIB 9 1	0.81577	786	581	1063
MATHIS CREEK TRIB 9 1	1.20389	1129	835	1527
MORGAN CREEK	1.0796	1063	786	1437
MORGAN CREEK	2.07544	1688	1248	2283
MORGAN CREEK	2.45145	1870	1383	2530
MORGAN CREEK	5.83965	3690	2728	4990
MORGAN CREEK	6.11737	3821	2825	5168
MORGAN CREEK	9.19619	4759	3519	6435
NAVASOTA RIVER TRIB 18 4 2	1.30657	1233	912	1668
NAVASOTA RIVER TRIB 18 4 2	1.61263	1241	918	1679
NAVASOTA RIVER TRIB 18 5	1.03934	1113	823	1505
NAVASOTA RIVER TRIB 18 5	1.33347	1189	880	1609
NAVASOTA RIVER TRIB 9	1.17214	987	730	1335
NEVILLE CREEK	1.1395	1325	980	1792
NEVILLE CREEK	2.04092	1827	1351	2470
NEVILLE CREEK	2.96538	2462	1821	3330
NEVILLE CREEK	3.70592	2740	2026	3705
NEVILLE CREEK	4.38314	3078	2276	4163
NEVILLE CREEK	6.08258	3460	2558	4679
RAGAN CREEK	1.05288	1271	940	1720
RAGAN CREEK	1.70168	1657	1225	2241
RAGAN CREEK	3.5245	2974	2199	4022
RAGAN CREEK	4.36655	3469	2565	4692
RAGAN CREEK	4.97069	3577	2645	4837
RAGAN CREEK	6.13136	3883	2871	5252
RAGAN CREEK	6.94041	4217	3118	5703
RAGAN CREEK	7.7899	4396	3250	5945
RAGAN CREEK	8.35755	4609	3408	6234
ROBERTSON BRANCH	1.09314	1058	782	1430
ROBERTSON BRANCH	1.43417	1292	956	1748
ROBERTSON BRANCH	2.09921	1691	1250	2286
ROBERTSON BRANCH TRIB 1	0.41798	516	381	697

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
SAND CREEK	0.35189	370	274	501
SAND CREEK	0.88958	851	629	1151
SAND CREEK	2.16108	1482	1096	2005
SAND CREEK	2.73151	1632	1207	2207
SAND CREEK	3.97395	2317	1713	3133
SAND CREEK	5.70531	2991	2212	4045
SAND CREEK	6.75944	3293	2435	4453
SAND CREEK	8.51654	4067	3007	5500
SAND CREEK	9.65667	4351	3217	5884
SAND CREEK	10.05761	4458	3296	6028
SAND CREEK	10.36761	4632	3425	6264
SAND CREEK	10.64919	4519	3342	6112
SAND CREEK	11.62961	4700	3475	6356
SAND CREEK	12.57694	4981	3683	6737
SAND CREEK TRIB 11	0.27853	350	259	474
SAND CREEK TRIB 13	1.03449	1076	795	1455
SAND CREEK TRIB 13	1.30325	1203	889	1627
SAND CREEK TRIB 16	0.81757	754	558	1020
SAND CREEK TRIB 17	0.77578	792	586	1072
SAND CREEK TRIB 19	0.555	444	328	600
SAND CREEK TRIB 20	0.52012	514	380	695
SAND CREEK TRIB 5	0.1086	194	143	262
SAND CREEK TRIB 6	0.28992	417	309	564
SAND CREEK TRIB 7	0.19899	283	209	382
STEEP HOLLOW BRANCH	0.16662	254	188	344
STEEP HOLLOW BRANCH	0.67938	770	570	1042
STEEP HOLLOW BRANCH	0.95576	1010	747	1366
STEEP HOLLOW BRANCH	1.40413	1282	948	1734
STEEP HOLLOW BRANCH	1.57819	1376	1017	1861
STEEP HOLLOW BRANCH	2.10432	1647	1218	2228
STEEP HOLLOW BRANCH	2.35855	1750	1294	2367
STEEP HOLLOW BRANCH	2.54023	1820	1346	2461
STEEP HOLLOW BRANCH	2.67384	1949	1441	2636
STEEP HOLLOW BRANCH	2.99739	2066	1528	2794
STEEP HOLLOW BRANCH	3.37206	2159	1596	2919
STEEP HOLLOW BRANCH	4.11941	2644	1955	3576
STEEP HOLLOW BRANCH TRIB 1	0.16733	296	219	400
STEEP HOLLOW BRANCH TRIB 1	0.72861	933	690	1262

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
STEEP HOLLOW BRANCH TRIB 1 1	0.26373	436	323	590
STEEP HOLLOW BRANCH TRIB 10	0.30696	367	272	497
STEEP HOLLOW BRANCH TRIB 11	0.19424	245	181	331
STEEP HOLLOW BRANCH TRIB 11	0.35099	434	321	587
STEEP HOLLOW BRANCH TRIB 11	0.51222	604	447	817
STEEP HOLLOW BRANCH TRIB 11 1	0.07936	117	86	158
STEEP HOLLOW BRANCH TRIB 11 2	0.12555	156	116	212
STEEP HOLLOW BRANCH TRIB 12	0.16886	226	167	306
STEEP HOLLOW BRANCH TRIB 2	0.11191	188	139	254
STEEP HOLLOW BRANCH TRIB 3	0.1711	305	226	413
STEEP HOLLOW BRANCH TRIB 4	0.13093	212	157	287
STEEP HOLLOW BRANCH TRIB 5	0.11712	199	147	269
STEEP HOLLOW BRANCH TRIB 6	0.15541	259	192	350
STEEP HOLLOW BRANCH TRIB 6	0.25172	381	281	515
STEEP HOLLOW BRANCH TRIB 6 1	0.06062	101	75	136
STEEP HOLLOW BRANCH TRIB 7	0.15397	245	181	332
STEEP HOLLOW BRANCH TRIB 8	0.14196	197	146	266
UNT003 IN WICK	0.29525	292	216	395
UNT013 IN WICK	0.1589	286	212	387
UNT0464 IN WICK	1.00786	1030	761	1393
UNT0464 IN WICK	2.60228	1962	1451	2654
UNT0467 IN WICK	1.05879	1084	801	1466
UNT0467 IN WICK	1.4539	1241	917	1678
UNT0467 IN WICK	2.03051	1596	1180	2158
UNT0467 IN WICK	2.3876	1819	1345	2460
UNT0468 IN WICK	0.80241	841	622	1137
UNT0468 IN WICK	1.47982	1286	951	1740
UNT0468 IN WICK	1.87735	1496	1106	2023
UNT0470 IN WICK	0.64719	668	494	903
UNT0470 IN WICK	1.26047	1163	860	1572
UNT0470 IN WICK	1.44556	1329	983	1797
UNT0475 IN WICK	0.83398	972	719	1315
UNT0475 IN WICK	1.59918	1703	1259	2303
UNT0475 IN WICK	2.58067	2300	1701	3111
UNT0475 IN WICK	3.30157	2613	1932	3533
UNT0475 IN WICK	4.25491	2652	1961	3586
UNT0481 IN WICK	1.1387	1206	891	1630
UNT0481 IN WICK	1.61263	1464	1083	1980

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT04824 IN WICK	0.48263	513	380	694
UNT0485 IN WICK	0.41304	683	505	923
UNT0485 IN WICK	1.1934	1417	1047	1916
UNT0485 IN WICK	1.73234	1961	1450	2652
UNT04878 IN WICK	0.36336	491	363	664
UNT04879 IN WICK	0.15343	278	206	377
UNT04881 IN WICK	0.7628	898	664	1214
UNT04883 IN WICK	0.12698	256	190	347
UNT04886 IN WICK	0.46219	595	440	805
UNT05021 IN WICK	0.56989	787	582	1065
UNT05025 IN WICK	0.32983	545	403	737
UNT05058 IN WICK	0.72332	939	695	1271
UNT05062 IN WICK	0.35727	502	372	680
UNT05132 IN WICK	0.14465	202	149	273
UNT102 IN WICK	0.10922	150	111	202
UNT114 IN WICK	0.04143	92	68	124
UNT115 IN WICK	0.10304	200	148	270
UNT117 IN WICK	0.06941	125	93	170
UNT997 IN WICK	0.28248	404	298	546
WICKSON CREEK	1.18071	988	730	1336
WICKSON CREEK	3.1619	2266	1676	3064
WICKSON CREEK	4.13048	2799	2070	3785
WICKSON CREEK	5.42964	3075	2274	4159
WICKSON CREEK	6.65233	3646	2696	4930
WICKSON CREEK	7.13935	3661	2707	4951
WICKSON CREEK	13.95771	6036	4463	8163
WICKSON CREEK	16.70536	6820	5043	9223
WICKSON CREEK	17.69896	7171	5302	9698
WICKSON CREEK	18.88805	7504	5549	10149
WICKSON CREEK	19.09027	7448	5507	10073
WICKSON CREEK	20.74442	7715	5705	10434
WICKSON CREEK	22.65432	7927	5861	10720
WICKSON CREEK	30.56681	10112	7477	13675
WICKSON CREEK	31.54821	9887	7310	13370
WICKSON CREEK	32.41421	9914	7331	13408
WICKSON CREEK	33.07897	9924	7338	13421
WICKSON CREEK	36.32754	10613	7847	14352
WICKSON CREEK	38.99242	11104	8210	15016

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
WICKSON CREEK	52.79033	13556	10024	18333
WICKSON CREEK	55.37145	13946	10312	18860
WICKSON CREEK	56.09163	13863	10251	18748
WICKSON CREEK	57.04085	14059	10396	19013
WICKSON CREEK	61.98231	14466	10697	19564
WICKSON CREEK	62.96622	14467	10697	19565
WICKSON CREEK	63.40428	14612	10805	19761
WICKSON CREEK	64.2979	14457	10690	19552
WICKSON CREEK	72.05139	15602	11536	21099
WICKSON CREEK	73.51184	15803	11685	21372
WICKSON CREEK	74.35972	15614	11546	21117
WICKSON CREEK	75.42569	15848	11718	21432
WICKSON CREEK	87.53596	17313	12802	23414
WICKSON CREEK	91.93946	17722	13104	23967
WICKSON CREEK TRIB 13	0.94105	707	523	957
WICKSON CREEK TRIB 14	1.02463	905	669	1223
WICKSON CREEK TRIB 14	2.02809	1498	1108	2026
WICKSON CREEK TRIB 14	3.00995	2011	1487	2720
WICKSON CREEK TRIB 14	3.99987	2545	1882	3442
WICKSON CREEK TRIB 14	4.94845	2657	1965	3593
WICKSON CREEK TRIB 14	6.75245	3374	2494	4562
WICKSON CREEK TRIB 19	1.34432	1312	970	1774
WICKSON CREEK TRIB 19	1.6068	1439	1064	1946
WICKSON CREEK TRIB 22	1.0805	1131	836	1529
WICKSON CREEK TRIB 22	2.23973	1752	1296	2370
WICKSON CREEK TRIB 23	1.2377	1137	841	1538
WICKSON CREEK TRIB 23	1.94828	1512	1118	2045
WICKSON CREEK TRIB 23	2.92915	1949	1441	2636
WICKSON CREEK TRIB 23	3.24122	2117	1565	2863
WICKSON CREEK TRIB 31	1.27428	1210	894	1636
WICKSON CREEK TRIB 31	2.23587	1662	1229	2248
WICKSON CREEK TRIB 31	2.9617	1965	1453	2658
WICKSON CREEK TRIB 31	6.43357	3505	2592	4740
WICKSON CREEK TRIB 31	6.98534	3716	2748	5026
WICKSON CREEK TRIB 31 1	0.20195	393	291	532
WICKSON CREEK TRIB 31 3	1.39239	1276	944	1726
WICKSON CREEK TRIB 31 3	2.02747	1482	1096	2004
WICKSON CREEK TRIB 31 3	2.63331	1848	1367	2500

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
WICKSON CREEK TRIB 31 3	3.11953	2019	1493	2730
WICKSON CREEK TRIB 31 3 2	0.2388	314	232	424
WICKSON CREEK TRIB 33	0.44479	541	400	732
WICKSON CREEK TRIB 33	1.0683	1144	846	1548
WICKSON CREEK TRIB 33	1.36145	1250	924	1690
WICKSON CREEK TRIB 36	0.19522	192	142	260
WICKSON CREEK TRIB 36	0.45214	437	323	590
WICKSON CREEK TRIB 36	0.66028	643	475	869
WICKSON CREEK TRIB 37	0.81811	807	597	1092
WICKSON CREEK TRIB 37	1.11224	1041	770	1408
WICKSON CREEK TRIB 38	0.91271	765	565	1034
WICKSON CREEK TRIB 39	0.64105	649	480	878
WICKSON CREEK TRIB 39	2.20081	1597	1181	2160
WICKSON CREEK TRIB 39	2.72944	1855	1371	2508
WICKSON CREEK TRIB 39 2	1.23205	1049	776	1419
WICKSON CREEK TRIB 39 2	1.39498	1136	840	1536
WICKSON CREEK TRIB 41	0.85227	825	610	1116
WICKSON CREEK TRIB 41	1.48843	1461	1080	1975
WICKSON CREEK TRIB 41	3.70332	2533	1873	3425
WICKSON CREEK TRIB 41	5.19318	3213	2376	4345
WICKSON CREEK TRIB 41	6.38971	3615	2673	4889
WICKSON CREEK TRIB 41 1	0.67902	674	499	912
WICKSON CREEK TRIB 41 2	1.00042	809	599	1095
WICKSON CREEK TRIB 41 3	1.17187	1095	810	1481
WICKSON CREEK TRIB 41 3	1.34638	1167	863	1578
WICKSON CREEK TRIB 41 3	1.88652	1511	1118	2044
WICKSON CREEK TRIB 41 3 1	0.51518	604	447	817
WICKSON CREEK TRIB 41 4	0.53518	627	463	847
WICKSON CREEK TRIB 45	1.10166	1154	853	1560
WICKSON CREEK TRIB 45	1.56645	1335	987	1805
WICKSON CREEK TRIB 7	1.27908	924	683	1250
WICKSON CREEK TRIB 7	1.75979	1289	953	1743
WICKSON CREEK TRIB 9	0.47106	576	426	778
Gibbons Creek – Navasota River (GIBB)				
A2 LOWER	0.77237	809	598	1094
A2A	0.31862	399	295	540
A2B	0.07712	117	86	158
A3 TRIB	0.15096	209	155	283

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
AC1	0.12913	192	142	259
AC1	0.89846	980	725	1326
AC1 TRIBUTARY 1	0.0679	103	76	140
AC1 TRIBUTARY 1	0.13371	209	155	283
ALUM CREEK	0.60289	754	557	1020
ALUM CREEK	1.34315	1510	1117	2043
ALUM CREEK	2.06934	1779	1316	2406
ALUM CREEK	2.61791	1978	1462	2675
ALUM CREEK 2	0.94068	943	698	1276
ALUM CREEK 2	1.90578	1719	1271	2325
ALUM CREEK 2	2.06065	1917	1418	2593
ALUM CREEK 2	2.55889	1975	1460	2671
ALUM CREEK 2	2.96709	2157	1595	2917
ALUM CREEK 2	4.33984	2791	2064	3774
ALUM CREEK TRIBUTARY 2	0.91367	851	629	1151
ALUM CREEK TRIBUTARY 4	0.34408	463	343	627
ANDERSON CREEK	1.05019	996	736	1347
ANDERSON CREEK	1.50392	1194	883	1614
ANDERSON CREEK	2.48923	1887	1395	2552
ANDERSON CREEK	4.61007	2956	2186	3998
ANDERSON CREEK	5.89856	3587	2652	4850
ANDERSON CREEK	6.36541	3777	2793	5108
ANDERSON CREEK	7.74496	4326	3199	5850
ANDERSON CREEK	8.40275	4417	3266	5973
ANDERSON CREEK	9.10982	4679	3460	6328
AUSTINS CREEK	0.88211	869	642	1175
BEE CREEK	0.91011	996	736	1347
BEE CREEK	4.70875	2838	2098	3837
BEE CREEK	5.7445	3282	2427	4438
BEE CREEK	8.72665	4575	3383	6188
BEE CREEK TRIB 3	1.00616	892	659	1206
BEE CREEK TRIB 3	1.49019	1126	832	1522
BEE CREEK TRIB A	0.99728	966	714	1306
BEE CREEK TRIB A	1.71924	1449	1072	1960
BEE CREEK TRIB A	2.15745	1703	1259	2303
BEE CREEK TRIB B	0.4686	496	367	671
BEE CREEK TRIB B	1.17818	1018	753	1377
BEE CREEK TRIB B	2.96045	2191	1620	2964

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
BEE CREEK TRIB B	3.5402	2455	1815	3320
BIG BRANCH	1.00894	1012	748	1368
BIG BRANCH	2.00277	1611	1191	2178
BIG BRANCH	2.78486	2111	1561	2855
BURTON CREEK	1.04427	975	721	1319
BURTON CREEK	1.5795	1338	989	1809
BURTON CREEK	4.75745	3172	2345	4289
BURTON CREEK	6.29851	3868	2860	5231
BURTON CREEK	6.96256	3959	2927	5354
BURTON CREEK	7.64365	4434	3279	5996
BURTON CREEK TRIB 1	0.21679	306	226	414
BURTON CREEK TRIB C	0.28373	401	297	543
BURTON CREEK TRIB C	1.14739	1147	848	1552
BURTON CREEK TRIB C	1.29625	1199	887	1622
BURTON CREEK TRIB C 1	0.13308	212	157	286
BURTON CREEK TRIB C 4	0.37704	465	344	629
BURTON CREEK TRIB D	0.13803	186	138	252
BURTON CREEK TRIB D	0.51527	539	399	729
BURTON CREEK TRIB D	0.8225	821	607	1110
BURTON CREEK TRIB D	1.88079	1514	1119	2047
BURTON CREEK TRIB D 1	0.61194	558	412	754
BURTON CREEK TRIB D 2	0.28382	280	207	378
BURTON CREEK TRIB D 3	0.35828	398	294	538
CARTERS CREEK	0.64875	614	454	830
CARTERS CREEK	0.80016	708	524	958
CARTERS CREEK	1.42337	1153	852	1559
CARTERS CREEK	3.48137	2256	1668	3051
CARTERS CREEK	4.74807	2740	2026	3705
CARTERS CREEK	8.1347	4126	3051	5579
CARTERS CREEK	10.36931	4897	3621	6623
CARTERS CREEK	10.82076	4844	3582	6551
CARTERS CREEK	14.83137	6171	4563	8346
CARTERS CREEK	22.91102	8512	6294	11512
CARTERS CREEK	26.42311	9156	6770	12382
CARTERS CREEK	28.44248	9711	7181	13133
CARTERS CREEK	29.351	9865	7295	13342
CARTERS CREEK	33.43809	10056	7435	13599
CARTERS CREEK	43.4038	12388	9160	16754

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CARTERS CREEK	47.41182	12937	9566	17495
CARTERS CREEK	48.69756	13150	9723	17784
CARTERS CREEK	53.24134	13839	10233	18716
CARTERS CREEK	55.37154	14028	10373	18971
CARTERS CREEK	56.30125	13860	10249	18744
CARTERS CREEK	58.47247	13826	10223	18698
CARTERS CREEK TRIB 13	0.74311	745	551	1007
CARTERS CREEK TRIB 13	1.26179	1132	837	1530
CARTERS CREEK TRIB 13 1	0.13353	199	147	269
CARTERS CREEK TRIB 15	2.97703	2167	1603	2931
CARTERS CREEK TRIB 15 1	0.81576	872	645	1179
CARTERS CREEK TRIB 15 1	1.32379	1219	901	1648
CARTERS CREEK TRIB 15 1 1	0.36321	484	358	654
CARTERS CREEK TRIB 17	0.37574	388	287	525
CARTERS CREEK TRIB 17	0.88348	886	655	1198
CARTERS CREEK TRIB 29	0.57141	573	423	774
CARTERS CREEK TRIB A	1.02795	856	633	1157
CARTERS CREEK TRIB A	1.24967	1001	740	1354
CARTERS CREEK TRIB A EAST FORK	0.24548	301	222	407
CARTERS CREEK TRIB A WEST FORK	0.57771	544	402	736
CARTERS CREEK TRIB B	0.21056	265	196	359
CARTERS CREEK TRIB B	0.64476	668	494	904
CARTERS CREEK TRIB B	1.82025	1658	1226	2242
CARTERS CREEK TRIB B	3.28298	2255	1668	3050
CARTERS CREEK TRIB B 4	0.27743	358	265	485
CARTERS CREEK TRIB C	1.00687	1024	758	1385
CARTERS CREEK TRIB C	1.32109	1169	864	1581
CARTERS CREEK TRIBUTARY 1	1.03331	1080	798	1460
CARTERS CREEK TRIBUTARY 1	2.17175	1774	1312	2399
CARTERS CREEK TRIBUTARY 1	4.21242	2802	2072	3789
CARTERS CREEK TRIBUTARY 1	6.83272	4221	3121	5709
CARTERS CREEK TRIBUTARY 1	8.20294	4308	3185	5826
CAT CREEK	0.99342	1056	781	1428
CAT CREEK	2.79514	2422	1791	3276
CAT CREEK	3.67955	3060	2263	4138
CAT CREEK	5.16082	3907	2889	5284
CAT CREEK	6.22522	4464	3301	6036
CAT CREEK	6.95231	4536	3354	6134

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CAT CREEK	7.53939	4701	3476	6357
CAT CREEK	10.12343	5725	4233	7742
CEDAR CREEK	0.92872	781	577	1056
CEDAR CREEK	2.07167	1469	1086	1987
CEDAR CREEK EAST	1.02277	1188	879	1607
CEDAR CREEK EAST	2.11517	1997	1477	2701
DINNER CREEK	1.14031	1452	1074	1964
DINNER CREEK	1.9556	2004	1482	2711
DINNER CREEK	3.81478	3136	2319	4241
DINNER CREEK	5.0582	3258	2409	4406
DINNER CREEK	7.01835	3827	2830	5176
DRY CREEK	1.03718	946	700	1280
DRY CREEK	2.0376	1601	1184	2165
DRY CREEK	2.63339	1791	1325	2423
FOXFIRE CREEK	1.0223	1072	793	1449
FOXFIRE CREEK	1.81599	1546	1143	2090
FOXFIRE CREEK	3.34454	2121	1568	2868
GIBBONS CREEK	1.00149	1226	907	1658
GIBBONS CREEK	2.21474	2147	1587	2903
GIBBONS CREEK	3.57915	3152	2331	4263
GIBBONS CREEK	4.29932	3449	2550	4664
GIBBONS CREEK	6.22991	4809	3556	6503
GIBBONS CREEK	12.12195	6961	5147	9414
GIBBONS CREEK	13.15965	7114	5260	9620
GIBBONS CREEK	13.41531	7179	5308	9709
GIBBONS CREEK	14.91548	7207	5329	9746
GIBBONS CREEK	25.04592	9804	7249	13258
GIBBONS CREEK	36.97686	12636	9344	17089
GIBBONS CREEK	43.19217	13920	10293	18825
GIBBONS CREEK	56.71317	16493	12196	22305
GIBBONS CREEK	84.14352	22393	16558	30284
GIBBONS CREEK	85.25729	22042	16298	29809
GIBBONS CREEK	85.28042	24614	18200	33288
GIBBONS CREEK	87.28896	24232	17918	32772
GIBBONS CREEK	90.95635	24861	18383	33621
GIBBONS CREEK	91.5144	24454	18082	33071
GIBBONS CREEK	99.79061	25455	18823	34426
GIBBONS CREEK	101.82453	25587	18920	34604

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
GIBBONS CREEK	106.48378	25899	19150	35025
GIBBONS CREEK	108.80507	26137	19327	35347
GIBBONS CREEK	110.45228	25726	19022	34791
GIBBONS CREEK	114.53209	25831	19100	34933
GIBBONS CREEK	115.66429	25616	18941	34643
GIBBONS CREEK	118.02859	25981	19211	35136
HARVEY HILLSIDES CREEK	0.37323	420	311	568
HARVEY HILLSIDES CREEK	1.20509	1147	848	1551
HOG CREEK	1.07171	698	516	944
HOG CREEK	2.0731	1226	906	1658
HOG CREEK	3.33439	1835	1357	2482
HOG CREEK	3.9321	1953	1444	2641
HOG CREEK	4.73981	2236	1654	3024
HOG CREEK	5.53448	2523	1865	3412
HOG CREEK	6.74783	2941	2175	3977
HOG CREEK	7.44907	3270	2418	4423
HOG CREEK	8.37709	3537	2616	4784
HOG CREEK	8.52211	3462	2560	4681
HOG CREEK	10.16396	3904	2887	5280
HOG CREEK	11.69625	4123	3049	5576
HOG CREEK	12.34092	4296	3176	5809
HOG CREEK	13.39304	4186	3095	5661
HUDSON CREEK	0.991	918	679	1241
HUDSON CREEK	2.15193	1650	1220	2231
HUDSON CREEK	2.99245	2091	1546	2828
HUDSON CREEK	3.48029	2247	1662	3039
HUDSON CREEK TRIBUTARY 4	0.08338	141	104	190
HUDSON CREEK TRIBUTARY 4	0.77276	865	639	1169
HUDSON CREEK TRIBUTARY 4 1	0.51176	604	447	817
LICK CREEK	1.04364	811	599	1096
LICK CREEK	1.53004	1126	833	1523
LICK CREEK	3.66153	2358	1744	3189
LICK CREEK	4.40709	2641	1953	3572
LICK CREEK	9.1683	4754	3515	6429
LICK CREEK	10.07018	4967	3673	6717
LICK CREEK	14.69369	6575	4862	8893
LICK CREEK	16.29273	6812	5037	9212
LICK CREEK	17.29378	6964	5150	9418

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
LICK CREEK	18.56244	7050	5213	9534
LICK CREEK	20.53922	7364	5445	9958
LICK CREEK TRIBUTARY 13	1.02243	1027	759	1389
LICK CREEK TRIBUTARY 13	1.33544	1032	763	1395
LICK CREEK TRIBUTARY 13	1.44198	1308	967	1769
LICK CREEK TRIBUTARY 2	0.85335	852	630	1152
LICK CREEK TRIBUTARY 3	0.74466	812	601	1098
NAVASOTA TRIB 29	1.08319	1181	873	1597
NAVASOTA TRIB 29	2.44571	2076	1535	2807
NAVASOTA TRIB 29	2.77101	1966	1454	2659
PANTHER BRANCH	0.28517	430	318	582
PANTHER BRANCH	1.89477	1800	1331	2434
PANTHER BRANCH TRIB 2	0.91001	1043	771	1411
PANTHER CREEK	0.7259	727	538	984
PANTHER CREEK	1.31365	1263	934	1709
PANTHER CREEK	2.319	1701	1258	2300
PANTHER CREEK	3.00529	1972	1458	2667
PANTHER CREEK	5.33612	2996	2216	4052
PANTHER CREEK	6.28902	3298	2439	4461
PANTHER CREEK	7.01421	3563	2634	4818
PANTHER CREEK	7.23581	3770	2788	5099
PANTHER CREEK	10.67421	4893	3618	6617
PANTHER CREEK	11.34463	5155	3812	6972
PANTHER CREEK	12.1441	5206	3850	7041
PANTHER CREEK	15.88712	6170	4562	8344
PEACH CREEK	0.95329	1255	928	1697
PEACH CREEK	4.70409	4244	3138	5739
PEACH CREEK	7.98668	5499	4066	7437
PEACH CREEK	8.24877	5947	4398	8043
PEACH CREEK SOUTH	1.00696	845	625	1142
PEACH CREEK SOUTH	1.88173	1411	1044	1909
PEACH CREEK SOUTH	4.50014	2751	2034	3721
PEACH CREEK SOUTH	5.77211	3289	2432	4448
PEACH CREEK SOUTH	9.21932	4635	3427	6268
PEACH CREEK SOUTH	10.51045	4960	3668	6708
PEACH CREEK SOUTH	10.86813	4864	3596	6577
PEACH CREEK SOUTH	12.84974	5646	4175	7635
PEACH CREEK SOUTH	15.37028	6415	4743	8676

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
PEACH CREEK SOUTH	16.12825	6383	4720	8632
PEACH CREEK SOUTH	17.90637	6955	5143	9406
PEACH CREEK SOUTH	20.0779	7442	5503	10064
PEACH CREEK SOUTH	21.88468	8022	5932	10849
PEACH CREEK SOUTH	23.38954	8039	5944	10872
PEACH CREEK SOUTH	25.11145	8314	6148	11244
PEACH CREEK SOUTH	27.13399	8755	6474	11840
PEACH CREEK SOUTH	28.15782	8738	6461	11817
PEACH CREEK SOUTH TRIB 10	1.05095	1190	880	1610
PEACH CREEK SOUTH TRIB 10	1.88726	1884	1393	2548
PEACH CREEK SOUTH TRIB 10 2	0.64055	782	578	1057
PEACH CREEK SOUTH TRIB 11	0.23644	327	242	442
PEACH CREEK SOUTH TRIB 16	1.40158	1252	926	1693
PEACH CREEK SOUTH TRIB 16	1.46694	1214	897	1641
PEACH CREEK SOUTH TRIB 16	3.14683	2394	1770	3238
PEACH CREEK SOUTH TRIB 16 4	1.2704	1174	868	1587
PEACH CREEK SOUTH TRIB 22	0.77559	693	513	938
PEACH CREEK SOUTH TRIB 22	1.33644	1156	855	1564
PEACH CREEK SOUTH TRIB 6	1.24804	1020	754	1380
PEACH CREEK SOUTH TRIB 7	0.71267	844	624	1142
PEACH CREEK SOUTH TRIB 7	1.58774	1522	1125	2058
PEACH CREEK SOUTH TRIB 7 2	0.63794	730	540	987
PLUM CREEK	0.71304	763	564	1032
PLUM CREEK	1.91815	1588	1174	2148
PLUM CREEK	2.90377	2149	1589	2906
PLUM CREEK	3.8815	2610	1930	3530
PLUM CREEK	4.06821	2612	1931	3533
PLUM CREEK	6.1711	3612	2671	4884
ROCK LAKE CREEK	0.63446	733	542	991
ROCK LAKE CREEK	2.12611	1834	1356	2480
ROCK LAKE CREEK	2.87185	2200	1627	2975
ROCK LAKE CREEK	3.71859	2417	1787	3268
ROCK LAKE CREEK	4.51864	3244	2399	4387
SEWER CREEK	1.11699	1194	883	1615
SEWER CREEK	2.41399	1909	1411	2581
SEWER CREEK	2.75034	2134	1578	2886
SPRING CREEK	0.93724	979	724	1324
SPRING CREEK	1.73634	1643	1215	2222

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
SPRING CREEK	1.97877	1799	1330	2433
SPRING CREEK	2.55046	2156	1594	2915
SPRING CREEK	3.75129	2650	1959	3584
SPRING CREEK TRIB 5	0.32713	492	364	665
SPRING CREEK TRIBUTARY A	0.23673	273	202	369
SULPHUR CREEK	1.2203	1466	1084	1983
SULPHUR CREEK	1.69719	1744	1289	2358
SULPHUR CREEK	2.24069	2198	1625	2972
SULPHUR CREEK	3.78779	3256	2408	4403
SULPHUR CREEK	4.23688	3442	2545	4655
SULPHUR CREEK	4.82089	3639	2691	4922
SULPHUR CREEK	6.95966	5088	3762	6881
SULPHUR CREEK	8.85623	6072	4490	8212
SULPHUR CREEK	9.38312	6244	4617	8444
SULPHUR CREEK	9.90638	6189	4576	8370
SULPHUR CREEK	10.3558	6384	4721	8634
SULPHUR CREEK	11.00663	6524	4824	8823
SULPHUR CREEK	13.48257	7565	5594	10231
SULPHUR CREEK	14.46302	7643	5651	10336
SULPHUR CREEK	15.60778	8089	5982	10940
SULPHUR CREEK	16.70154	8151	6027	11023
SULPHUR CREEK	21.65434	9889	7312	13374
SULPHUR CREEK	23.72512	10267	7592	13885
SULPHUR CREEK	24.70389	10186	7532	13775
SULPHUR CREEK	26.43589	10165	7516	13747
UNNAMED TRIB 2 TO BEE CR TRIB B	0.31063	398	294	538
UNNAMED TRIB BURTON CREEK	0.31699	436	323	590
UNNAMED TRIB TO BEE CREEK TRIB B	0.32893	386	285	522
UNT004 IN GIBB	1.29567	1343	993	1817
UNT005 IN GIBB	0.23845	411	304	555
UNT005 IN GIBB	1.60433	1935	1431	2617
UNT006 IN GIBB	1.11924	1562	1155	2113
UNT007 IN GIBB	1.01919	1028	760	1391
UNT007 IN GIBB	2.47603	2234	1652	3022
UNT007 IN GIBB	2.98901	2403	1777	3250
UNT007 IN GIBB	4.90077	3390	2507	4584
UNT007 IN GIBB	5.55843	3570	2640	4828
UNT008 IN GIBB	1.00942	1004	742	1357



Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT008 IN GIBB	1.20765	1157	855	1564
UNT009 IN GIBB	0.16074	234	173	316
UNT011 IN GIBB	0.7706	841	622	1138
UNT012 IN GIBB	0.18197	275	204	372
UNT015 IN GIBB	1.2394	1185	876	1603
UNT015 IN GIBB	1.30522	1179	872	1595
UNT016 IN GIBB	0.80968	874	647	1182
UNT016 IN GIBB	1.22084	1177	871	1592
UNT017 IN GIBB	0.14222	233	172	315
UNT018 IN GIBB	0.22634	324	240	439
UNT019 IN GIBB	0.57096	587	434	793
UNT019 IN GIBB	0.65454	661	489	894
UNT020 IN GIBB	0.6417	892	660	1206
UNT022 IN GIBB	1.25641	1870	1383	2529
UNT024 IN GIBB	1.08073	1946	1439	2632
UNT025 IN GIBB	0.55632	782	578	1057
UNT026 IN GIBB	0.94212	940	695	1271
UNT026 IN GIBB	1.62559	1378	1019	1864
UNT028 IN GIBB	0.19655	290	214	392
UNT029 IN GIBB	0.45815	465	344	629
UNT031 IN GIBB	0.29875	373	276	504
UNT034 IN GIBB	0.56926	602	445	814
UNT034 IN GIBB	1.16353	1127	833	1524
UNT035 IN GIBB	0.49007	548	405	741
UNT036 IN GIBB	0.46134	533	394	721
UNT038 IN GIBB	0.53034	965	714	1306
UNT039 IN GIBB	1.04256	1345	995	1819
UNT040 IN GIBB	0.38995	699	517	945
UNT041 IN GIBB	0.40255	717	530	970
UNT042 IN GIBB	1.13538	1370	1013	1853
UNT042 IN GIBB	1.30504	1542	1140	2085
UNT042 IN GIBB	1.84242	1873	1385	2533
UNT043 IN GIBB	0.91102	1183	875	1600
UNT043 IN GIBB	1.82964	2200	1627	2975
UNT043 IN GIBB	1.88805	2120	1568	2867
UNT044 IN GIBB	0.49349	758	561	1025
UNT045 IN GIBB	0.3552	505	374	683
UNT046 IN GIBB	0.29155	509	376	688



Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT047 IN GIBB	0.13792	279	206	378
UNT048 IN GIBB	0.63668	1045	773	1414
UNT049 IN GIBB	0.95827	1268	938	1715
UNT049 IN GIBB	2.16212	2359	1744	3190
UNT050 IN GIBB	0.68054	897	664	1214
UNT051 IN GIBB	0.91352	1472	1089	1991
UNT052 IN GIBB	0.45677	881	652	1192
UNT053 IN GIBB	0.7139	1309	968	1771
UNT054 IN GIBB	1.15923	1736	1284	2348
UNT054 IN GIBB	2.17265	2576	1905	3483
UNT054 IN GIBB	2.636	2932	2168	3965
UNT054 IN GIBB	2.83555	2898	2143	3919
UNT054 IN GIBB	4.55201	4093	3026	5535
UNT055 IN GIBB	1.0516	1264	934	1709
UNT056 IN GIBB	1.07307	1587	1173	2146
UNT057 IN GIBB	0.74328	1380	1021	1867
UNT057 IN GIBB	1.4716	2111	1561	2855
UNT059 IN GIBB	1.21339	1685	1246	2279
UNT059 IN GIBB	1.50382	1969	1456	2664
UNT059 IN GIBB	2.8756	3080	2278	4166
UNT060 IN GIBB	0.86249	1133	838	1533
UNT062 IN GIBB	0.85269	1431	1058	1936
UNT062 IN GIBB	1.64276	2593	1917	3506
UNT062 IN GIBB	2.0471	2604	1925	3521
UNT063 IN GIBB	1.24855	1115	824	1507
UNT064 IN GIBB	0.95206	977	722	1321
UNT066 IN GIBB	1.32701	1289	953	1743
UNT066 IN GIBB	2.12476	1902	1406	2572
UNT067 IN GIBB	1.08206	1076	795	1455
UNT074 IN GIBB	0.40569	457	338	618
UNT075 IN GIBB	0.29979	346	256	467
UNT101 IN GIBB	1.25606	1188	878	1606
UNT101 IN GIBB	1.83103	1597	1181	2160
UNT101 IN GIBB	2.50261	1897	1403	2566
UNT101 IN GIBB	3.77688	2590	1915	3503
UNT101 IN GIBB	4.11132	2658	1965	3595
UNT114 IN GIBB	0.98427	974	720	1317
UNT114 IN GIBB	1.34682	1244	920	1682

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT115 IN GIBB	0.2137	255	189	346
UNT116 IN GIBB	1.0151	848	627	1147
UNT116 IN GIBB	1.96066	1490	1102	2015
UNT116 IN GIBB	2.58229	1766	1306	2388
UNT119 IN GIBB	0.41529	744	550	1006
UNT140 IN GIBB	0.776	928	686	1255
UNT141 IN GIBB	0.90324	1123	831	1519
UNT142 IN GIBB	0.52307	624	462	844
UNT147 IN GIBB	0.54318	533	394	721
UNT148 IN GIBB	0.32794	434	321	587
UNT149 IN GIBB	0.64225	600	444	812
WILSON BRANCH	0.78654	806	596	1091
WOLF PEN CREEK	0.39305	548	405	741
WOLF PEN CREEK	1.23169	1156	855	1563
WOLF PEN CREEK	1.76473	1556	1151	2104
WOLF PEN CREEK	3.08097	2118	1566	2865
WOLF PEN CREEK	3.40843	2374	1755	3210
WOLF PEN CREEK TRIB A	0.51482	590	436	798
WOLF PEN CREEK TRIB B	0.43246	484	358	654
WOLF PEN CREEK TRIB C	0.71946	754	557	1019
Rocky Creek – Navasota River (ROCK)				
BIG CREEK	16.26426	6180	4570	8358
BIG CREEK	17.94845	6663	4927	9011
BIG CREEK	19.08194	6802	5029	9199
BIG CREEK	20.2844	6304	4661	8525
BIG CREEK	29.79507	8511	6293	11509
BIG CREEK	32.70118	8605	6363	11637
BIG CREEK	34.84397	8429	6233	11400
BIG CREEK	37.62165	8475	6267	11462
BIG CREEK	40.13979	8586	6349	11612
BIG CREEK	41.36846	9158	6772	12385
CEDAR CREEK	0.60132	640	473	866
CEDAR CREEK	1.74971	1585	1172	2144
CEDAR CREEK	3.98095	3075	2274	4159
CEDAR CREEK	6.27959	4153	3071	5617
CEDAR CREEK TRIB 1	0.53995	725	536	981
CEDAR CREEK TRIB 1	0.93184	1131	836	1529
CLIFTY CREEK	1.02517	1023	757	1384

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
CLIFTY CREEK	2.29864	1902	1406	2572
CLIFTY CREEK	5.51026	3779	2795	5111
CLIFTY CREEK	6.77962	4348	3215	5881
FRANKS CREEK	1.29724	1248	923	1688
FRANKS CREEK	2.66114	2082	1540	2816
FRANKS CREEK	2.89698	2172	1606	2938
FRANKS CREEK	4.38888	2750	2034	3720
FRANKS CREEK	9.79138	5071	3749	6858
FRANKS CREEK	11.35655	5499	4066	7437
FRANKS CREEK	12.36728	5477	4050	7407
FRANKS CREEK	13.60198	5462	4039	7387
FRANKS CREEK TRIB 1	1.01611	1091	807	1475
FRANKS CREEK TRIB 1	1.982	1658	1226	2242
FRANKS CREEK TRIB 6	0.29201	426	315	576
FRANKS CREEK TRIB 7	0.13637	245	181	331
FRANKS CREEK TRIB 9	0.66171	794	587	1074
HIGH PRAIRIE CREEK	1.20219	1299	960	1757
HIGH PRAIRIE CREEK	2.4458	2131	1576	2882
HIGH PRAIRIE CREEK	3.46872	2588	1913	3499
HIGH PRAIRIE CREEK	4.02361	2669	1973	3609
HOLLAND CREEK	1.00409	1682	1244	2275
HOLLAND CREEK	1.99448	2679	1981	3623
HOLLAND CREEK	3.26149	4011	2966	5424
HOLLAND CREEK	4.65661	5322	3935	7198
HOLLAND CREEK	9.81495	9015	6666	12191
HOLLAND CREEK	10.16304	9055	6696	12246
HOLLAND CREEK	12.59758	9928	7341	13426
HOLLAND CREEK	14.90332	10928	8081	14779
HOLLAND CREEK	15.47205	11066	8183	14966
HOLLAND CREEK	22.47149	14663	10842	19830
HOLLAND CREEK	24.51455	15203	11241	20560
HOLLAND CREEK	25.40108	15237	11267	20606
HOLLAND CREEK	27.34945	15163	11212	20506
HOLLAND CREEK	29.51622	15906	11761	21511
HOLLAND CREEK	37.82629	18880	13961	25533
HOLLAND CREEK	39.22302	19254	14237	26039
HOLLAND CREEK	40.55676	19628	14514	26545
HOLLAND CREEK	42.56602	20123	14880	27214

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
HONEY CREEK	0.10137	205	151	277
HONEY CREEK	1.01234	1375	1016	1859
HONEY CREEK	1.26047	1508	1115	2040
HONEY CREEK	1.79349	1921	1421	2598
HONEY CREEK	2.04679	2054	1519	2778
HONEY CREEK	2.29589	2143	1584	2898
HUTTON MILL BRANCH	1.0692	1211	895	1638
HUTTON MILL BRANCH	1.78488	1665	1231	2251
HUTTON MILL BRANCH	2.23058	1929	1426	2609
HUTTON MILL BRANCH TRIB 1	0.21329	343	254	464
JACK BRANCH	1.08982	1412	1044	1909
JONES CREEK	0.60647	827	612	1119
JONES CREEK	1.10285	1297	959	1754
JONES CREEK	3.82293	2897	2142	3917
JONES CREEK	4.45094	3047	2253	4121
JONES CREEK	6.1206	3751	2773	5072
JONES CREEK TRIB 1	0.60674	719	531	972
JONES CREEK TRIB 7	0.37094	497	367	672
LITTLE FLOCK CREEK	1.19654	1799	1330	2433
LITTLE FLOCK CREEK	1.40754	1830	1353	2475
LITTLE FLOCK CREEK	1.8865	2222	1643	3006
LITTLE FLOCK CREEK	2.314	2503	1851	3386
MILlican CREEK	1.27966	1158	856	1566
MILlican CREEK	1.44995	1448	1071	1958
MILlican CREEK	1.99589	1777	1314	2404
MILlican CREEK	5.28133	3562	2634	4818
MILlican CREEK TRIB 2	1.10964	1408	1041	1904
MILlican CREEK TRIB 2	1.52883	1726	1276	2334
MILlican CREEK TRIBUTARY 4	0.09063	143	106	194
NEBLETT'S CREEK	1.69639	2771	2049	3748
NEBLETT'S CREEK	2.74052	3321	2456	4492
NEBLETT'S CREEK	4.0192	4663	3448	6307
PINE CREEK	1.00293	1887	1396	2553
PINE CREEK	1.50905	2353	1740	3182
PINE CREEK	3.03382	3962	2930	5358
PINE CREEK	4.54093	4740	3505	6410
PINE CREEK	6.2656	5634	4166	7619
ROCKY CREEK	1.1734	1624	1201	2197

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
ROCKY CREEK	3.54761	3770	2788	5098
ROCKY CREEK	4.69064	4416	3265	5972
ROCKY CREEK	5.67821	4771	3528	6452
ROCKY CREEK	7.37677	5733	4240	7754
ROCKY CREEK	13.16868	8747	6468	11829
ROCKY CREEK	15.46596	9807	7252	13263
ROCKY CREEK	16.03635	10008	7400	13535
ROCKY CREEK	19.12081	11140	8237	15066
ROCKY CREEK	19.6759	10884	8048	14719
ROCKY CREEK	21.78308	10951	8097	14810
ROCKY CREEK	22.7791	11430	8452	15458
ROCKY CREEK	29.99426	13393	9903	18113
ROCKY CREEK	32.89254	14308	10580	19350
ROCKY CREEK	35.40483	14505	10726	19617
ROCKY CREEK	38.19796	14815	10955	20036
ROCKY CREEK	39.10294	15182	11226	20532
ROCKY CREEK	40.33311	14732	10893	19923
ROCKY CREEK	42.32466	14934	11043	20197
SPRING BRANCH	1.04319	1596	1180	2158
SPRING BRANCH	2.29607	2573	1903	3480
SPRING BRANCH 2	1.14238	1431	1058	1936
SPRING CREEK	0.25548	520	384	703
SPRING CREEK	0.89335	1474	1090	1993
SPRING CREEK	1.5044	2251	1664	3044
SPRING CREEK	2.85999	2991	2212	4045
SPRING CREEK	4.10585	3817	2823	5163
SPRING CREEK	5.5472	4719	3489	6382
SPRING CREEK	6.11601	4948	3659	6691
SPRING CREEK	8.28992	6083	4498	8227
TANYARD BRANCH	1.02857	1306	965	1766
TANYARD BRANCH	2.38886	2315	1712	3131
TANYARD BRANCH	2.89193	2576	1905	3484
THOMAS CREEK	1.20272	1964	1452	2656
THOMAS CREEK	3.13314	3937	2911	5324
THOMAS CREEK	5.59194	5552	4105	7509
THOMAS CREEK	6.25289	5976	4419	8082
THOMAS CREEK	6.66739	6061	4482	8197
THOMAS CREEK	6.89106	6199	4584	8384

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
TURKEY CREEK	0.79407	1064	787	1439
TURKEY CREEK	1.68234	1851	1369	2503
TURKEY CREEK	2.55736	2385	1763	3225
TURKEY CREEK	3.01941	2702	1998	3654
TURKEY CREEK	3.92508	2968	2195	4014
TURKEY CREEK	7.39278	4803	3552	6496
TURKEY CREEK	8.3976	5266	3894	7122
TURKEY CREEK	9.02007	5363	3966	7253
TURKEY CREEK	10.0099	5824	4306	7876
UNT002 IN ROCK	0.39054	618	457	836
UNT003 IN ROCK	1.35429	1766	1306	2389
UNT004 IN ROCK	1.15071	1749	1293	2365
UNT004 IN ROCK	2.28017	2495	1845	3375
UNT004 IN ROCK	4.37678	4527	3347	6122
UNT005 IN ROCK	1.00493	1711	1265	2314
UNT005 IN ROCK	1.79305	2248	1662	3041
UNT007 IN ROCK	0.56955	834	617	1128
UNT008 IN ROCK	1.17941	1786	1320	2415
UNT008 IN ROCK	1.67006	2170	1605	2935
UNT009 IN ROCK	0.76879	1058	782	1431
UNT012 IN ROCK	0.4131	634	469	857
UNT016 IN ROCK	1.2832	1702	1259	2302
UNT016 IN ROCK	1.41792	1708	1263	2310
UNT017 IN ROCK	0.15267	263	194	356
UNT018 IN ROCK	0.28831	505	374	683
UNT021 IN ROCK	0.09876	164	121	221
UNT021 IN ROCK	1.15152	1209	894	1635
UNT022 IN ROCK	0.08645	173	128	235
UNT024 IN ROCK	0.31987	551	407	745
UNT024 IN ROCK	0.70655	923	683	1249
UNT025 IN ROCK	0.27674	426	315	576
UNT026 IN ROCK	0.38715	563	416	762
UNT026 IN ROCK	0.63497	840	621	1136
UNT027 IN ROCK	0.21089	299	221	404
UNT028 IN ROCK	0.39769	568	420	768
UNT029 IN ROCK	0.46491	646	478	874
UNT030 IN ROCK	0.38784	471	348	637
UNT030 IN ROCK	1.58958	1323	978	1789

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT030 IN ROCK	2.31344	1813	1341	2452
UNT030 IN ROCK	3.13409	2284	1689	3088
UNT031 IN ROCK	0.67516	764	565	1034
UNT032 IN ROCK	0.49079	538	398	727
UNT033 IN ROCK	0.83319	959	709	1297
UNT042 IN ROCK	0.66745	851	629	1151
UNT045 IN ROCK	0.13161	191	141	258
UNT047 IN ROCK	0.1739	354	262	479
UNT051 IN ROCK	0.95223	1468	1086	1986
UNT052 IN ROCK	1.3905	1979	1464	2677
UNT054 IN ROCK	1.27827	2033	1503	2749
UNT055 IN ROCK	1.47698	2167	1603	2931
UNT057 IN ROCK	0.13666	328	242	443
UNT058 IN ROCK	0.17236	396	293	535
UNT059 IN ROCK	0.07426	198	147	268
UNT060 IN ROCK	0.11344	257	190	348
UNT061 IN ROCK	1.35541	2118	1566	2864
UNT063 IN ROCK	1.01091	1683	1244	2276
UNT063 IN ROCK	2.26134	2723	2013	3682
UNT064 IN ROCK	0.64615	944	698	1277
UNT065 IN ROCK	0.05308	163	121	221
UNT065 IN ROCK	0.2823	639	472	864
UNT066 IN ROCK	0.17011	440	326	595
UNT067 IN ROCK	0.17706	370	274	501
UNT068 IN ROCK	0.39656	680	503	919
UNT068 IN ROCK	0.81308	1172	867	1585
UNT068 IN ROCK	1.12448	1562	1155	2112
UNT068 IN ROCK	1.28362	1751	1295	2368
UNT068 IN ROCK	2.01877	2178	1611	2946
UNT069 IN ROCK	0.1718	313	232	424
UNT070 IN ROCK	0.22392	392	290	530
UNT071 IN ROCK	0.15563	343	254	464
UNT072 IN ROCK	0.70027	1117	826	1510
UNT072 IN ROCK	1.02597	1500	1109	2029
UNT072 IN ROCK	1.5851	1953	1444	2641
UNT074 IN ROCK	0.28373	516	381	697
UNT075 IN ROCK	0.14384	292	216	394
UNT076 IN ROCK	0.57507	849	628	1148

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT077 IN ROCK	0.46126	678	501	917
UNT077 IN ROCK	1.38615	1433	1060	1938
UNT078 IN ROCK	0.20724	415	307	561
UNT082 IN ROCK	0.5122	986	729	1333
UNT084 IN ROCK	0.4049	641	474	867
UNT084 IN ROCK	0.72971	1028	760	1390
UNT085 IN ROCK	0.25458	530	392	717
UNT086 IN ROCK	0.20614	427	316	577
UNT086 IN ROCK	0.50417	932	689	1260
UNT086 IN ROCK	1.02786	1512	1118	2045
UNT087 IN ROCK	0.14339	310	229	419
UNT088 IN ROCK	0.48577	864	639	1169
UNT088 IN ROCK	1.07646	1584	1172	2143
UNT089 IN ROCK	0.25943	415	307	562
UNT090 IN ROCK	0.48277	731	540	988
UNT091 IN ROCK	0.3665	573	424	775
UNT091 IN ROCK	0.70727	1054	779	1426
UNT091 IN ROCK	1.44523	1888	1396	2554
UNT091 IN ROCK	1.80391	2155	1594	2915
UNT092 IN ROCK	0.30897	522	386	705
UNT093 IN ROCK	0.32916	562	416	761
UNT094 IN ROCK	0.37558	621	459	839
UNT094 IN ROCK	0.69826	1041	770	1408
UNT094 IN ROCK	1.0223	1354	1001	1831
UNT094 IN ROCK	1.42337	1674	1238	2264
UNT094 IN ROCK	1.83945	1935	1431	2617
UNT095 IN ROCK	0.16602	339	250	458
UNT096 IN ROCK	0.30212	494	365	668
UNT097 IN ROCK	1.2791	1233	912	1667
UNT097 IN ROCK	2.88709	2200	1627	2976
UNT097 IN ROCK	4.07088	2526	1868	3416
UNT098 IN ROCK	0.49227	659	487	891
UNT101 IN ROCK	0.6193	884	653	1195
UNT102 IN ROCK	0.33888	550	407	744
UNT103 IN ROCK	1.96505	2169	1604	2933
UNT104 IN ROCK	0.33719	377	279	510
UNT105 IN ROCK	0.07233	1935	1431	2617
UNT106 IN ROCK	0.06564	131	97	178

Stream Name	Drainage Area (sq. mi.)	1% Peak Discharge	1%- Peak Discharge	1%+ Peak Discharge
		(cfs)	(cfs)	(cfs)
UNT107 IN ROCK	0.34453	695	514	940
UNT108 IN ROCK	0.11117	248	183	335
UNT109 IN ROCK	0.5376	963	712	1303
UNT110 IN ROCK	0.88118	1285	951	1738
UNT110 IN ROCK	1.53105	1727	1277	2335
UNT111 IN ROCK	0.11546	289	213	390
UNT112 IN ROCK	0.09095	223	165	301
UNT113 IN ROCK	0.10848	258	191	349
UPSHUR BRANCH	1.05252	1067	789	1443
UPSHUR BRANCH	1.71224	1541	1140	2084

Appendix B BLE Map

