

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 1 OF 9



DOUGLAS COUNTY, GEORGIA AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
AUSTELL, CITY OF	130054
DOUGLAS COUNTY, UNINCORPORATED AREAS	130306
DOUGLASVILLE, CITY OF	130305

PRELIMINARY

MAY 12 2016



FEMA

REVISED:

TBD

FLOOD INSURANCE STUDY NUMBER
13097CV001C

Version Number 2.3.3.3

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Published Separately

Flood Insurance Rate Map (FIRM)

FLOOD INSURANCE STUDY REPORT DOUGLAS COUNTY, GEORGIA

SECTION 1.0 – INTRODUCTION

1.1 The National Flood Insurance Program

The National Flood Insurance Program (NFIP) is a voluntary Federal program that enables property owners in participating communities to purchase insurance protection against losses from flooding. This insurance is designed to provide an alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods.

For decades, the national response to flood disasters was generally limited to constructing flood-control works such as dams, levees, sea-walls, and the like, and providing disaster relief to flood victims. This approach did not reduce losses nor did it discourage unwise development. In some instances, it may have actually encouraged additional development. To compound the problem, the public generally could not buy flood coverage from insurance companies, and building techniques to reduce flood damage were often overlooked.

In the face of mounting flood losses and escalating costs of disaster relief to the general taxpayers, the U.S. Congress created the NFIP. The intent was to reduce future flood damage through community floodplain management ordinances, and provide protection for property owners against potential losses through an insurance mechanism that requires a premium to be paid for the protection.

The U.S. Congress established the NFIP on August 1, 1968, with the passage of the National Flood Insurance Act of 1968. The NFIP was broadened and modified with the passage of the Flood Disaster Protection Act of 1973 and other legislative measures. It was further modified by the National Flood Insurance Reform Act of 1994 and the Flood Insurance Reform Act of 2004. The NFIP is administered by the Federal Emergency Management Agency (FEMA), which is a component of the Department of Homeland Security (DHS).

Participation in the NFIP is based on an agreement between local communities and the Federal Government. If a community adopts and enforces floodplain management regulations to reduce future flood risks to new construction and substantially improved structures in Special Flood Hazard Areas (SFHAs), the Federal Government will make flood insurance available within the community as a financial protection against flood losses. The community's floodplain management regulations must meet or exceed criteria established in accordance with Title 44 Code of Federal Regulations (CFR) Part 60.3, *Criteria for Land Management and Use*.

SFHAs are delineated on the community's Flood Insurance Rate Maps (FIRMs). Under the NFIP, buildings that were built before the flood hazard was identified on the community's FIRMs are generally referred to as "Pre-FIRM" buildings. When the NFIP was created, the U.S. Congress recognized that insurance for Pre-FIRM buildings would be prohibitively expensive if the premiums were not subsidized by the Federal Government. Congress also recognized that most of these floodprone buildings were built by individuals who did not have sufficient knowledge of the flood hazard to make informed decisions. The NFIP requires that full actuarial rates reflecting the complete flood risk be charged on all buildings constructed or substantially improved on or after the effective date of the initial FIRM for the community or after December 31, 1974, whichever is

later. These buildings are generally referred to as “Post-FIRM” buildings.

1.2 Purpose of this Flood Insurance Study Report

This Flood Insurance Study (FIS) Report revises and updates information on the existence and severity of flood hazards for the study area. The studies described in this report developed flood hazard data that will be used to establish actuarial flood insurance rates and to assist communities in efforts to implement sound floodplain management.

In some states or communities, floodplain management criteria or regulations may exist that are more restrictive than the minimum Federal requirements. Contact your State NFIP Coordinator to ensure that any higher State standards are included in the community’s regulations.

1.3 Jurisdictions Included in the Flood Insurance Study Project

This FIS Report covers the entire geographic area of Douglas County, Georgia.

The jurisdictions that are included in this project area, along with the Community Identification Number (CID) for each community and the 8-digit Hydrologic Unit Codes (HUC-8) sub-basins affecting each, are shown in Table 1. The Flood Insurance Rate Map (FIRM) panel numbers that affect each community are listed. If the flood hazard data for the community is not included in this FIS Report, the location of that data is identified.

Table 1: Listing of NFIP Jurisdictions

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Austell, City of	130054		13097C0067D	
Douglas County, Unincorporated Areas	130306		13097C0019C 13097C0038D 13097C0039D 13097C0041C ¹ 13097C0042D 13097C0043D 13097C0044D 13097C0061D 13097C0062D 13097C0063D 13097C0064D 13097C0066D 13097C0067D 13097C0068D 13097C0069D 13097C0086D 13097C0088D 13097C0089C ¹	

Table 1: Listing of NFIP Jurisdictions continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Douglas County, Unincorporated Areas	130306		13097C0106D	
			13097C0107D	
			13097C0109D	
			13097C0117D	
			13097C0119D	
			13097C0126D	
			13097C0127E	
			13097C0128D	
			13097C0129D	
			13097C0131E	
			13097C0132E	
			13097C0133D	
			13097C0134C	
			13097C0136D	
			13097C0137D	
			13097C0138D	
			13097C0139D	
			13097C0141D	
			13097C0142C	
			13097C0143E	
			13097C0144E	
			13097C0151C	
			13097C0152D	
			13097C0153C	
			13097C0154C	
			13097C0156D	
			13097C0157D	
			13097C0158C	
			13097C0159D	
			13097C0161C	
13097C0162C				
13097C0163D				
13097C0164D				
13097C0166D				
13097C0167D				
13097C0168D				
13097C0176D				
13097C0177D				
13097C0178D				
13097C0207E				
13097C0209D				

Table 1: Listing of NFIP Jurisdictions continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Douglas County, Unincorporated Areas	130306		13097C0226E 13097C0227E 13097C0228D 13097C0229D 13097C0231E 13097C0232E 13097C0233D 13097C0251D	
Douglasville, City of	130305		13097C0042D 13097C0043D 13097C0044D 13097C0061D 13097C0063D 13097C0064D 13097C0068D 13097C0069D 13097C0086D 13097C0088D 13097C0131E 13097C0132E 13097C0134C 13097C0151C 13097C0152D 13097C0153C 13097C0154C 13097C0157D 13097C0159D 13097C0176D 13097C0177D 13097C0178D	
Villa Rica, City of	130289	03130002, 03150108	N/A	Carroll County FIS Report, 2007

¹ Panel not Printed

1.4 Considerations for using this Flood Insurance Study Report

The NFIP encourages State and local governments to implement sound floodplain management programs. To assist in this endeavor, each FIS Report provides floodplain data, which may include a combination of the following: 10-, 4-, 2-, 1-, and 0.2-percent annual chance flood elevations (the 1% annual chance flood elevation is also referred to as the Base Flood Elevation (BFE)); delineations of the 1% annual chance and 0.2% annual chance floodplains; and 1% annual chance floodway. This information is presented on the FIRM and/or in many components

of the FIS Report, including Flood Profiles, Floodway Data tables, Summary of Non-Coastal Stillwater Elevations tables, and Coastal Transect Parameters tables (not all components may be provided for a specific FIS).

This section presents important considerations for using the information contained in this FIS Report and the FIRM, including changes in format and content. Figures 1, 2, and 3 present information that applies to using the FIRM with the FIS Report.

- Part or all of this FIS Report may be revised and republished at any time. In addition, part of this FIS Report may be revised by a Letter of Map Revision (LOMR), which does not involve republication or redistribution of the FIS Report. Refer to Section 6.5 of this FIS Report for information about the process to revise the FIS Report and/or FIRM.

It is, therefore, the responsibility of the user to consult with community officials by contacting the community repository to obtain the most current FIS Report components. Communities participating in the NFIP have established repositories of flood hazard data for floodplain management and flood insurance purposes. Community map repository addresses are provided in Table 31, “Map Repositories,” within this FIS Report.

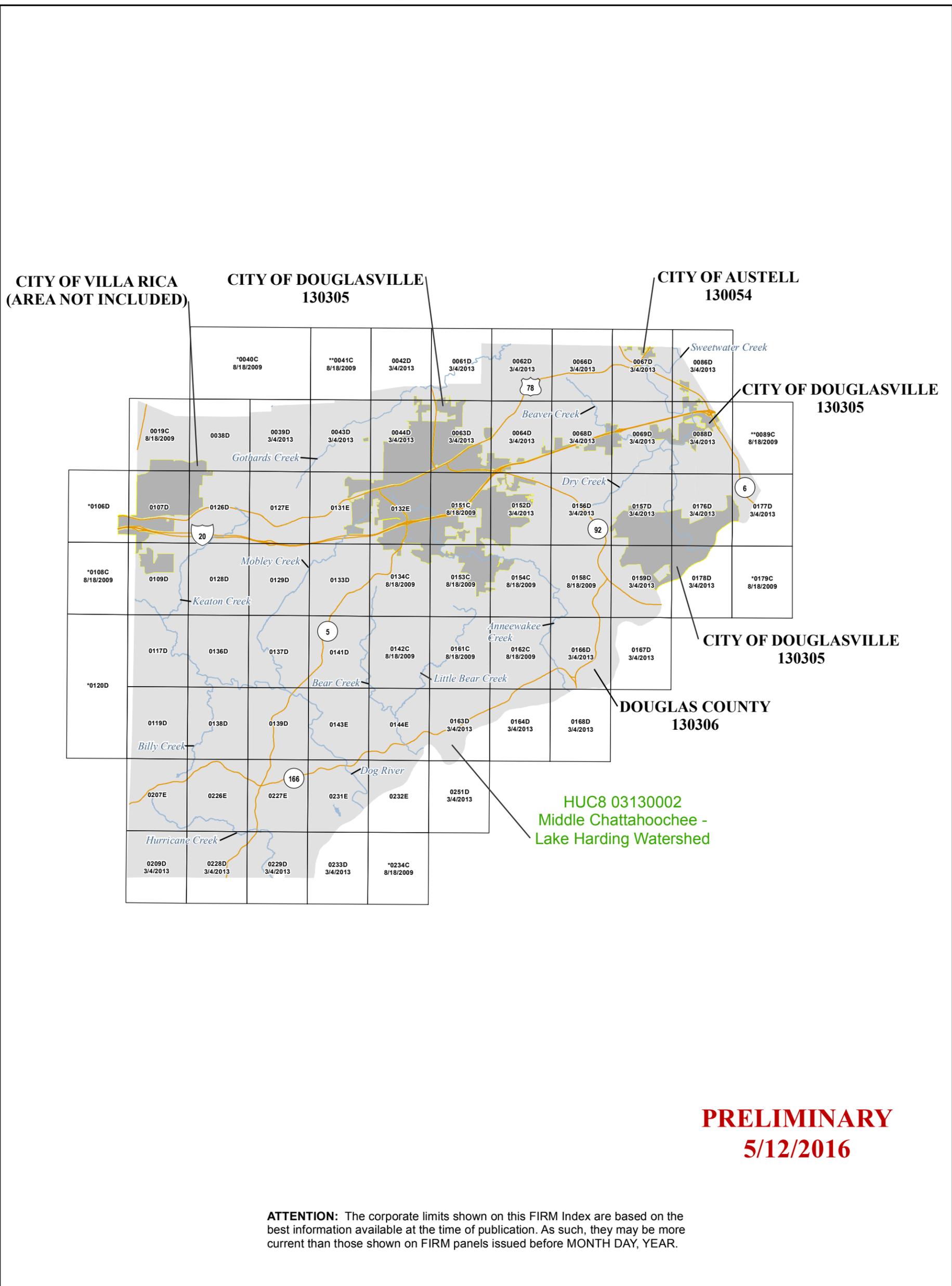
- New FIS Reports are frequently developed for multiple communities, such as entire counties. A countywide FIS Report incorporates previous FIS Reports for individual communities and the unincorporated area of the county (if not jurisdictional) into a single document and supersedes those documents for the purposes of the NFIP.

The initial Countywide FIS Report for Douglas County became effective on August 18, 2009. Refer to Table 28 for information about subsequent revisions to the FIRMs.

- FEMA has developed a *Guide to Flood Maps* (FEMA 258) and online tutorials to assist users in accessing the information contained on the FIRM. These include how to read panels and step-by-step instructions to obtain specific information. To obtain this guide and other assistance in using the FIRM, visit the FEMA Web site at www.fema.gov/online-tutorials.

The FIRM Index in Figure 1 shows the overall FIRM panel layout within Douglas County, and also displays the panel number and effective date for each FIRM panel in the county. Other information shown on the FIRM Index includes community boundaries, flooding sources, watershed boundaries, and United States Geological Survey (USGS) Hydrologic Unit Code – 8 (HUC-8) codes.

Figure 1: FIRM Panel Index



1 inch = 15,000 feet 1:180,000

0 7,500 15,000 30,000 Feet

Map Projection:
Georgia State Plane Zone 1002;
North American Datum 1983

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTP://MSC.FEMA.GOV](http://MSC.FEMA.GOV)

SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

*PANEL NOT PRINTED - AREA NOT INCLUDED
**PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS



**NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP PANEL INDEX**

DOUGLAS COUNTY, GEORGIA and Incorporated Areas

PANELS PRINTED:
0019, 0038, 0039, 0042, 0043, 0044, 0061, 0062, 0063, 0064, 0066, 0067, 0068, 0069, 0086, 0088, 0107, 0109, 0117, 0119, 0126, 0127, 0128, 0129, 0131, 0132, 0133, 0134, 0136, 0137, 0138, 0139, 0141, 0142, 0143, 0144, 0151, 0152, 0153, 0154, 0156, 0157, 0158, 0159, 0161, 0162, 0163, 0164, 0166, 0167, 0168, 0176, 0177, 0178, 0207, 0209, 0226, 0227, 0228, 0229, 0231, 0232, 0233, 0251



FEMA

MAP NUMBER
13097CINDOC
MAP REVISED

Each FIRM panel may contain specific notes to the user that provide additional information regarding the flood hazard data shown on that map. However, the FIRM panel does not contain enough space to show all the notes that may be relevant in helping to better understand the information on the panel. Figure 2 contains the full list of these notes.

Figure 2: FIRM Notes to Users

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products, or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Flood Map Service Center website or by calling the FEMA Map Information eXchange.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to Table 28 in this FIS Report.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

PRELIMINARY FIS REPORT: FEMA maintains information about map features, such as street locations and names, in or near designated flood hazard areas. Requests to revise information in or near designated flood hazard areas may be provided to FEMA during the community review period, at the final Consultation Coordination Officer's meeting, or during the statutory 90-day appeal period. Approved requests for changes will be shown on the final printed FIRM.

The map is for use in administering the NFIP. It may not identify all areas subject to flooding, particularly from local drainage sources of small size. Consult the community map repository to find updated or additional flood hazard information.

BASE FLOOD ELEVATIONS: For more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, consult the Flood Profiles and Floodway Data and/or Summary of Non-Coastal Stillwater Elevations tables within this FIS Report. Use the flood elevation data within the FIS Report in conjunction with the FIRM for construction and/or floodplain management.

FLOODWAY INFORMATION: Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the FIS Report for this jurisdiction.

Figure 2. FIRM Notes to Users

FLOOD CONTROL STRUCTURE INFORMATION: Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 4.3 "Non-Levee Flood Protection Measures" of this FIS Report for information on flood control structures for this jurisdiction.

PROJECTION INFORMATION: The projection used in the preparation of the map was State Plane Transverse Mercator, Georgia West Zone. The horizontal datum was North American Datum 1983, GRS 1980 Spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

ELEVATION DATUM: Flood elevations on the FIRM are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

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

Local vertical monuments may have been used to create the map. To obtain current monument information, please contact the appropriate local community listed in Table 31 of this FIS Report.

BASE MAP INFORMATION: Base map information shown on the FIRM was provided by Douglas County GIS Department at a scale of 1:100. For information about base maps, refer to Section 6.2 "Base Map" in this FIS Report.

The map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables may reflect stream channel distances that differ from what is shown on the map.

Corporate limits shown on the map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after the map was published, map users should contact appropriate community officials to verify current corporate limit locations.

NOTES FOR FIRM INDEX

REVISIONS TO INDEX: As new studies are performed and FIRM panels are updated within Douglas County, GA, corresponding revisions to the FIRM Index will be incorporated within the FIS Report to reflect the effective dates of those panels. Please refer to Table 28 of this FIS Report to determine the most recent FIRM revision date for each community. The most recent FIRM panel effective date will correspond to the most recent index date.

Figure 2. FIRM Notes to Users

SPECIAL NOTES FOR SPECIFIC FIRM PANELS

This Notes to Users section was created specifically for Douglas County, GA, effective TBD.

FLOOD RISK REPORT: A Flood Risk Report (FRR) may be available for many of the flooding sources and communities referenced in this FIS Report. The FRR is provided to increase public awareness of flood risk by helping communities identify the areas within their jurisdictions that have the greatest risks. Although non-regulatory, the information provided within the FRR can assist communities in assessing and evaluating mitigation opportunities to reduce these risks. It can also be used by communities developing or updating flood risk mitigation plans. These plans allow communities to identify and evaluate opportunities to reduce potential loss of life and property. However, the FRR is not intended to be the final authoritative source of all flood risk data for a project area; rather, it should be used with other data sources to paint a comprehensive picture of flood risk.

Each FIRM panel contains an abbreviated legend for the features shown on the maps. However, the FIRM panel does not contain enough space to show the legend for all map features. Figure 3 shows the full legend of all map features. Note that not all of these features may appear on the FIRM panels in Douglas County.

Figure 3: Map Legend for FIRM

<p>SPECIAL FLOOD HAZARD AREAS: <i>The 1% annual chance flood, also known as the base flood or 100-year flood, has a 1% chance of happening or being exceeded each year. Special Flood Hazard Areas are subject to flooding by the 1% annual chance flood. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood. The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. See note for specific types. If the floodway is too narrow to be shown, a note is shown.</i></p>	
	<p>Special Flood Hazard Areas subject to inundation by the 1% annual chance flood (Zones A, AE, AH, AO, AR, A99, V and VE)</p>
<p>Zone A</p>	<p>The flood insurance rate zone that corresponds to the 1% annual chance floodplains. No base (1% annual chance) flood elevations (BFEs) or depths are shown within this zone.</p>
<p>Zone AE</p>	<p>The flood insurance rate zone that corresponds to the 1% annual chance floodplains. Base flood elevations derived from the hydraulic analyses are shown within this zone.</p>
<p>Zone AH</p>	<p>The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot BFEs derived from the hydraulic analyses are shown at selected intervals within this zone.</p>
<p>Zone AO</p>	<p>The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-foot depths derived from the hydraulic analyses are shown within this zone.</p>
<p>Zone AR</p>	<p>The flood insurance rate zone that corresponds to areas that were formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.</p>
<p>Zone A99</p>	<p>The flood insurance rate zone that corresponds to areas of the 1% annual chance floodplain that will be protected by a Federal flood protection system where construction has reached specified statutory milestones. No base flood elevations or flood depths are shown within this zone.</p>
<p>Zone V</p>	<p>The flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations are not shown within this zone.</p>
<p>Zone VE</p>	<p>Zone VE is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations derived from the coastal analyses are shown within this zone as static whole-foot elevations that apply throughout the zone.</p>

Figure 3: Map Legend for FIRM

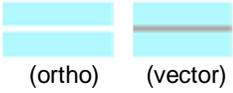
	Regulatory Floodway determined in Zone AE.
	Non-encroachment zone (see Section 2.4 of this FIS Report for more information)
OTHER AREAS OF FLOOD HAZARD	
	Shaded Zone X: Areas of 0.2% annual chance flood hazards and areas of 1% annual chance flood hazards with average depths of less than 1 foot or with drainage areas less than 1 square mile.
	Future Conditions 1% Annual Chance Flood Hazard – Zone X: The flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined based on future-conditions hydrology. No base flood elevations or flood depths are shown within this zone.
	Area with Reduced Flood Risk due to Levee: Areas where an accredited levee, dike, or other flood control structure has reduced the flood risk from the 1% annual chance flood. See Notes to Users for important information.
OTHER AREAS	
	Zone D (Areas of Undetermined Flood Hazard): The flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.
	Unshaded Zone X: Areas of minimal flood hazard.
FLOOD HAZARD AND OTHER BOUNDARY LINES	
	Flood Zone Boundary (white line on ortho-photography-based mapping; gray line on vector-based mapping)
	Limit of Study
	Jurisdiction Boundary
	Limit of Moderate Wave Action (LiMWA): Indicates the inland limit of the area affected by waves greater than 1.5 feet
GENERAL STRUCTURES	
 <i>Aqueduct Channel Culvert Storm Sewer</i>	Channel, Culvert, Aqueduct, or Storm Sewer
 <i>Dam Jetty Weir</i>	Dam, Jetty, Weir

Figure 3: Map Legend for FIRM

	Levee, Dike, or Floodwall
 <i>Bridge</i>	Bridge
<p>COASTAL BARRIER RESOURCES SYSTEM (CBRS) AND OTHERWISE PROTECTED AREAS (OPA): <i>CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas. See Notes to Users for important information.</i></p>	
 CBRS AREA 09/30/2009	Coastal Barrier Resources System Area: Labels are shown to clarify where this area shares a boundary with an incorporated area or overlaps with the floodway.
 OTHERWISE PROTECTED AREA 09/30/2009	Otherwise Protected Area
<p>REFERENCE MARKERS</p>	
	River mile Markers
<p>CROSS SECTION & TRANSECT INFORMATION</p>	
	Lettered Cross Section with Regulatory Water Surface Elevation (BFE)
	Numbered Cross Section with Regulatory Water Surface Elevation (BFE)
	Unlettered Cross Section with Regulatory Water Surface Elevation (BFE)
	Coastal Transect
	Profile Baseline: Indicates the modeled flow path of a stream and is shown on FIRM panels for all valid studies with profiles or otherwise established base flood elevation.
	Coastal Transect Baseline: Used in the coastal flood hazard model to represent the 0.0-foot elevation contour and the starting point for the transect and the measuring point for the coastal mapping.
	Base Flood Elevation Line
<p>ZONE AE (EL 16)</p>	Static Base Flood Elevation value (shown under zone label)

Figure 3: Map Legend for FIRM

ZONE AO (DEPTH 2)	Zone designation with Depth
ZONE AO (DEPTH 2) (VEL 15 FPS)	Zone designation with Depth and Velocity
BASE MAP FEATURES	
	River, Stream or Other Hydrographic Feature
	Interstate Highway
	U.S. Highway
	State Highway
	County Highway
MAPLE LANE 	Street, Road, Avenue Name, or Private Drive if shown on Flood Profile
 <i>RAILROAD</i>	Railroad
	Horizontal Reference Grid Line
	Horizontal Reference Grid Ticks
	Secondary Grid Crosshairs
Land Grant	Name of Land Grant
7	Section Number
R. 43 W. T. 22 N.	Range, Township Number
4276⁰⁰⁰mE	Horizontal Reference Grid Coordinates (UTM)
365000 FT	Horizontal Reference Grid Coordinates (State Plane)
80° 16' 52.5"	Corner Coordinates (Latitude, Longitude)

SECTION 2.0 – FLOODPLAIN MANAGEMENT APPLICATIONS

2.1 Floodplain Boundaries

To provide a national standard without regional discrimination, the 1% annual chance (100-year) flood has been adopted by FEMA as the base flood for floodplain management purposes. The 0.2% annual chance (500-year) flood is employed to indicate additional areas of flood hazard in the community.

Each flooding source included in the project scope has been studied and mapped using professional engineering and mapping methodologies that were agreed upon by FEMA and Douglas County as appropriate to the risk level. Flood risk is evaluated based on factors such as known flood hazards and projected impact on the built environment. Engineering analyses were performed for each studied flooding source to calculate its 1% annual chance flood elevations; elevations corresponding to other floods (e.g. 10-, 4-, 2-, 0.2-percent annual chance, etc.) may have also been computed for certain flooding sources. Engineering models and methods are described in detail in Section 5.0 of this FIS Report. The modeled elevations at cross sections were used to delineate the floodplain boundaries on the FIRM; between cross sections, the boundaries were interpolated using elevation data from various sources. More information on specific mapping methods is provided in Section 6.0 of this FIS Report.

Depending on the accuracy of available topographic data (Table 23), study methodologies employed (Section 5.0), and flood risk, certain flooding sources may be mapped to show both the 1% and 0.2% annual chance floodplain boundaries, regulatory water surface elevations (BFEs), and/or a regulatory floodway. Similarly, other flooding sources may be mapped to show only the 1% annual chance floodplain boundary on the FIRM, without published water surface elevations. In cases where the 1% and 0.2% annual chance floodplain boundaries are close together, only the 1% annual chance floodplain boundary is shown on the FIRM. Figure 3, “Map Legend for FIRM”, describes the flood zones that are used on the FIRMs to account for the varying levels of flood risk that exist along flooding sources within the project area. Table 2 and Table 3 indicate the flood zone designations for each flooding source and each community within Douglas County, GA respectively.

Table 2, “Flooding Sources Included in this FIS Report,” lists each flooding source, including its study limits, affected communities, mapped zone on the FIRM, and the completion date of its engineering analysis from which the flood elevations on the FIRM and in the FIS Report were derived. Descriptions and dates for the latest hydrologic and hydraulic analyses of the flooding sources are shown in Table 13. Floodplain boundaries for these flooding sources are shown on the FIRM (published separately) using the symbology described in Figure 3. On the map, the 1% annual chance floodplain corresponds to the SFHAs. The 0.2% annual chance floodplain shows areas that, although out of the regulatory floodplain, are still subject to flood hazards.

Small areas within the floodplain boundaries may lie above the flood elevations but cannot be shown due to limitations of the map scale and/or lack of detailed topographic data. The procedures to remove these areas from the SFHA are described in Section 6.5 of this FIS Report.

Table 2: Flooding Sources Included in this FIS Report

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Alexander Branch	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 0.9 miles upstream of Alexander Parkway	03130002	1.9	n/a	Y	AE	2011
Alexander Branch Tributary A	Douglas County, Unincorporated Areas	At confluence with Alexander Branch	Approximately 1,070 feet upstream of Cougar Trail	03130002	0.34	n/a	Y	AE	2011
Alexander Branch Tributary B	Douglas County, Unincorporated Areas	At confluence with Alexander Branch	Approximately 1,033 feet upstream of confluence with Alexander Branch	03130002	0.20	n/a	Y	AE	2011
Amber Creek	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1.76 miles upstream of confluence with Anneewakee Creek	03130002	1.76	n/a	Y	AE	2011
Amber Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Amber Creek	Approximately 0.49 miles upstream of confluence with Amber Creek	03130002	0.49	n/a	Y	AE	2011
Anneewakee Creek	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Chattahoochee River	Approximately 0.93 miles upstream of Rose Avenue	03130002	12.6	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Anneewakee Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.55 miles upstream of confluence with Anneewakee Creek	03130002	0.55	n/a	Y	AE	2011
Anneewakee Creek Tributary B	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.44 miles upstream of confluence with Anneewakee Creek	03130002	0.44	n/a	Y	AE	2011
Anneewakee Creek Tributary C	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1,397 feet upstream of confluence with Anneewakee Creek	03130002	0.26	n/a	Y	AE	2011
Anneewakee Creek Tributary D	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.41 miles upstream of confluence with Anneewakee Creek	03130002	0.41	n/a	Y	AE	2011
Anneewakee Creek Tributary E	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.55 miles upstream of confluence with Anneewakee Creek	03130002	0.55	n/a	Y	AE	2011
Anneewakee Creek Tributary F	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.76 miles upstream of confluence with Anneewakee Creek	03130002	0.76	n/a	Y	AE	2011
Anneewakee Creek Tributary G	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.81 miles upstream of confluence with Anneewakee Creek	03130002	0.81	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Anneewakee Creek Tributary H	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.47 miles upstream of confluence with Anneewakee Creek	03130002	0.47	n/a	Y	AE	2011
Anneewakee Creek Tributary I	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1,979 feet upstream of confluence with Anneewakee Creek	03130002	0.37	n/a	Y	AE	2011
Anneewakee Creek Tributary J	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 0.51 miles upstream of confluence with Anneewakee Creek	03130002	0.51	n/a	Y	AE	2011
Anneewakee Creek Tributary K	Douglasville, City of	At confluence with Anneewakee Creek	Approximately 1,553 feet upstream of Rose Lake Circle	03130002	0.52	n/a	Y	AE	2011
Anneewakee Creek Tributary L	Douglasville, City of	At confluence with Anneewakee Creek	Approximately 303 feet upstream of Gurley Road	03130002	0.36	n/a	Y	AE	2011
Arbor Branch	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1,478 feet upstream of Stewart Parkway	03130002	2.27	n/a	Y	AE	2011
Arbor Branch Tributary A	Douglasville, City of	At confluence with Arbor Branch	Approximately 1,150 feet upstream of Interstate 20	03130002	0.36	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Austin Creek	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1.49 miles upstream of confluence with Anneewakee Creek	03130002	1.49	n/a	Y	AE	2011
Ayer Creek	Douglas County, Unincorporated Areas	At confluence with Crawfish Creek	Douglas County, GA boundary	03130002	1.05	n/a	Y	AE	2012
Baggett Creek	Douglas County, Unincorporated Areas	At confluence with Mobley Creek	Approximately 100 feet upstream of Campground Road	03130002	1.18	n/a	Y	AE	2012
Baldwin Creek	Douglas County, Unincorporated Areas	At confluence with Little Bear Creek	Approximately 3.49 miles upstream of confluence with Little Bear Creek	03130002	3.49	n/a	Y	AE	2011
Baldwin Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Baldwin Creek	Approximately 0.94 miles upstream of confluence with Baldwin Creek	03130002	0.94	n/a	Y	AE	2011
Bear Creek	Douglas County, Unincorporated Areas	At confluence with Chattahoochee River	Approximately 2.03 miles upstream of Lakeside Drive	03130002	7.92	n/a	Y	AE	2011
Bear Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 1,190 feet upstream of confluence with Bear Creek	03130002	0.23	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Bear Creek Tributary B	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 528 feet upstream of Highway 166	03130002	0.33	n/a	Y	AE	2011
Bear Creek Tributary C	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 380 feet upstream of Fouts Mill Road	03130002	0.49	n/a	Y	AE	2011
Bear Creek Tributary D	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 409 feet upstream of Fox Glove Court	03130002	0.35	n/a	Y	AE	2011
Bear Creek Tributary E	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 956 feet upstream of Hickory Bend Drive	03130002	0.41	n/a	Y	AE	2011
Bear Creek Tributary F	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 406 feet upstream of Yorktown Road	03130002	0.67	n/a	Y	AE	2011
Bear Creek Tributary G	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 326 feet upstream of Kings Highway	03130002	0.55	n/a	Y	AE	2011
Beaver Creek	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 520 feet upstream of Patty Court	03130002	4.60	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Beaver Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Beaver Creek	Approximately 0.52 miles upstream of confluence with Beaver Creek	03130002	0.52	n/a	Y	AE	2011
Berea Creek	Douglas County, Unincorporated Areas	At confluence with Mobley Creek	Approximately 1.04 miles upstream of confluence with Mobley Creek	03130002	1.04	n/a	Y	AE	2012
Billy Creek	Douglas County, Unincorporated Areas	At confluence with Dog River	Approximately 1.2 miles upstream of confluence of Tributary D to Billy Creek	03130002	4.78	n/a	Y	AE	2012
Boatwright Creek	Douglas County, Unincorporated Areas	At confluence with Mobley Creek	Approximately 1,375 feet upstream of Nolandwood Lane	03130002	2.79	n/a	Y	AE	2012
Boatwright Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Boatwright Creek	Approximately 0.86 miles upstream of confluence with Boatwright Creek	03130002	0.86	n/a	Y	AE	2012
Boatwright Creek Tributary B	Douglas County, Unincorporated Areas	At confluence with Boatwright Creek	Approximately 1,387 feet upstream of confluence with Boatwright Creek	03130002	0.26	n/a	Y	AE	2012
Boatwright Creek Tributary C	Douglas County, Unincorporated Areas	At confluence with Boatwright Creek	Approximately 1,261 feet upstream of confluence with Boatwright Creek	03130002	0.24	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Bomar Branch	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1.17 miles upstream of confluence with Anneewakee Creek	03130002	1.17	n/a	Y	AE	2011
Bright Star Creek	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Mobley Creek	Approximately 0.46 miles upstream of confluence with Tributary A to Bright Star Creek	03130002	0.65	n/a	Y	AE	2012
Caine Creek	Douglas County, Unincorporated Areas	At confluence with Dog River	Approximately 1.25 miles upstream of confluence with Dog River	03130002	1.25	n/a	Y	AE	2012
Camp Branch	Douglas County, Unincorporated Areas	At confluence with Hurricane Creek	Approximately 1,022 feet upstream of confluence of Camp Branch Tributary A	03130002	1.54	n/a	Y	AE	2011
Camp Branch Tributary A	Douglas County, Unincorporated Areas	At confluence with Camp Branch	Approximately 748 feet upstream of confluence with Camp Branch	03130002	0.14	n/a	Y	AE	2011
Chapel Farms Creek	Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 745 feet upstream of confluence of Chapel Farms Creek Tributary A	03130002	1.39	n/a	Y	AE	2011
Chapel Farms Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Chapel Farms Creek	Approximately 1,020 feet upstream of confluence with Chapel Farms Creek	03130002	0.19	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Chattahoochee River	Douglasville, City of; Douglas County, Unincorporated Areas	Approximately 2.63 miles downstream of confluence with Sweetwater Creek	Approximately 2.65 miles upstream of confluence with Dog River Reservoir	03130002	21.05	n/a	Y	AE	2011
Coursey Creek	Douglas County, Unincorporated Areas	At confluence with Little Bear Creek	Approximately 1.37 miles upstream of confluence with Little Bear Creek	03130002	1.37	n/a	Y	AE	2011
Crawfish Creek	Douglas County, Unincorporated Areas	At confluence with Dog River	Douglas County, GA boundary	03130002	2.10	n/a	Y	AE	2012
Crooked Creek	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1.03 miles upstream of confluence with Crooked Creek Tributary D	03130002	3.60	n/a	Y	AE	2011
Crooked Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Crooked Creek	Approximately 0.81 miles upstream of confluence with Crooked Creek	03130002	0.81	n/a	Y	AE	2011
Crooked Creek Tributary B	Douglas County, Unincorporated Areas	At confluence with Crooked Creek	Approximately 0.43 miles upstream of confluence with Crooked Creek	03130002	0.43	n/a	Y	AE	2011
Crooked Creek Tributary C	Douglas County, Unincorporated Areas	At confluence with Crooked Creek	Approximately 0.37 miles upstream of confluence with Crooked Creek	03130002	0.37	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Crooked Creek Tributary D	Douglas County, Unincorporated Areas	At confluence with Crooked Creek	Approximately 0.54 miles upstream of confluence with Crooked Creek	03130002	0.54	n/a	Y	AE	2011
Crossing Branch	Douglasville, City of; Douglas County, Unincorporated Areas	At confluence with Anneewakee Creek	Approximately 1.20 miles upstream of confluence with Anneewakee Creek	03130002	1.20	n/a	Y	AE	2011
Dog River	Douglas County, Unincorporated Areas	At confluence with Chattahoochee River	Approximately 0.72 miles upstream of Liberty Road	03130002	14.09	n/a	Y	AE	2012
Dorsett Creek	Douglas County, Unincorporated Areas	At confluence with Bear Creek	Approximately 413 feet upstream of Dorsett Shoal Road	03130002	1.57	n/a	Y	AE	2011
Downs Creek	Douglas County, Unincorporated Areas	At confluence with Flyblow Creek	Approximately 1,403 feet upstream of Deer Run Trail	03130002	2.11	n/a	Y	AE	2012
Dry Creek	Douglas County, Unincorporated Areas	At confluence with Beaver Creek	Approximately 0.55 miles upstream of confluence of Dry Creek Tributary C	03130002	3.04	n/a	Y	AE	2011
Dry Creek Tributary A	Douglas County, Unincorporated Areas	At confluence with Dry Creek	Approximately 0.52 miles upstream of confluence with Dry Creek	03130002	0.52	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Dry Creek Tributary B	Douglas County, Unincorporated Areas	At confluence with Dry Creek	Approximately 1,170 feet upstream of confluence with Dry Creek	03130002	0.22	n/a	Y	AE	2011
Dry Creek Tributary C	Douglas County, Unincorporated Areas	At confluence with Dry Creek	Approximately 0.36 miles upstream of confluence with Dry Creek	03130002	0.36	n/a	Y	AE	2011
Duncan Creek	Douglas County, Unincorporated Areas	At confluence with Dog River	Approximately 0.62 miles upstream of Tributary B to Duncan Creek	03130002	1.27	n/a	Y	AE	2012
Ephesus Creek	Douglas County, Unincorporated Areas	At the confluence with Dog River	Approximately 0.52 miles upstream of Tributary B to Ephesus Creek	03130002	2.04	n/a	Y	AE	2012
Farm Branch	Douglas County, Unincorporated Areas	Confluence with Anneewakee Creek	Approximately 0.52 miles upstream of confluence with Anneewakee Creek	03130002	0.66	n/a	Y	AE	2011
Farm Branch Tributary A	Douglas County, Unincorporated Areas	Confluence with Farm Branch	Approximately 0.73 miles upstream of confluence with Farm Branch	03130002	0.73	n/a	Y	AE	2011
Flyblow Creek	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 881 feet upstream of Mossybrook Lane	03130002	3.12	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Gordon Creek	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Douglas County, GA boundary	03130002	0.88	n/a	Y	AE	2011
Gothards Creek	Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 1.42 miles upstream of confluence of Gothards Creek Tributary 15	03130002	10.24	n/a	Y	AE	2011
Gothards Creek Tributary 1	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 1,038 feet upstream of confluence with Gothards Creek	03130002	0.20	n/a	Y	AE	2011
Gothards Creek Tributary 2	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 0.79 miles upstream of confluence with Gothards Creek	03130002	0.79	n/a	Y	AE	2011
Gothards Creek Tributary 2.1	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Confluence with Gothards Creek Tributary 2	03130002	0.29	n/a	Y	AE	2011
Gothards Creek Tributary 3	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 0.71 miles upstream of confluence with Gothards Creek Tributary 3.2	03130002	1.22	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Gothards Creek Tributary 3.1	Douglas County, Unincorporated Areas	Confluence with Gothards Creek Tributary 3	Approximately 0.71 miles upstream of confluence of Gothards Creek Tributary 3	03130002	0.71	n/a	Y	AE	2011
Gothards Creek Tributary 3.2	Douglas County, Unincorporated Areas	Confluence with Gothards Creek Tributary 3	Approximately 828 feet upstream of confluence with Gothards Creek Tributary 3	03130002	0.16	n/a	Y	AE	2011
Gothards Creek Tributary 4	Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 1,671 feet upstream of Douglas County, GA boundary	03130002	0.35	n/a	Y	AE	2011
Gothards Creek Tributary 4.1	Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 2,081 feet upstream of Douglas County, GA boundary	03130002	0.39	n/a	Y	AE	2011
Gothards Creek Tributary 4.1.1	Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 1,792 feet upstream of Douglas County, GA boundary	03130002	0.34	n/a	Y	AE	2011
Gothards Creek Tributary 6	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 1,901 feet upstream of confluence with Gothards Creek	03130002	0.36	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Gothards Creek Tributary 8	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 0.90 miles upstream of confluence with Gothards Creek Tributary 8.1	03130002	2.18	n/a	Y	AE	2011
Gothards Creek Tributary 8.1	Douglas County, Unincorporated Areas	Confluence with Gothards Creek Tributary 8	Approximately 0.67 miles upstream of confluence with Gothards Creek Tributary 8	03130002	0.67	n/a	Y	AE	2011
Gothards Creek Tributary 9	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 0.47 miles upstream of confluence with Gothards Creek	03130002	0.47	n/a	Y	AE	2011
Gothards Creek Tributary 10	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 0.68 miles upstream of confluence with Gothards Creek	03130002	0.68	n/a	Y	AE	2011
Gothards Creek Tributary 11	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 1.00 mile upstream of confluence of Gothards Creek Tributary 11.3	03130002	4.10	n/a	Y	AE	2011
Gothards Creek Tributary 11.1	Douglas County, Unincorporated Areas	Confluence with Gothards Creek Tributary 11	Approximately 0.29 miles upstream of confluence with Gothards Creek Tributary 11	03130002	0.29	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Gothards Creek Tributary 11.2	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Gothards Creek Tributary 11	Approximately 1.05 miles upstream of confluence with Gothards Creek Tributary 11	03130002	1.05	n/a	Y	AE	2011
Gothards Creek Tributary 11.3	Douglas County, Unincorporated Areas	Confluence with Gothards Creek Tributary 11	Approximately 0.49 miles upstream of confluence with Gothards Creek Tributary 11	03130002	0.49	n/a	Y	AE	2011
Gothards Creek Tributary 12	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 0.66 miles upstream of confluence with Gothards Creek Tributary 11	03130002	0.66	n/a	Y	AE	2011
Gothards Creek Tributary 15	Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 0.53 miles upstream of confluence with Gothards Creek	03130002	0.53	n/a	Y	AE	2011
Helton Creek	Douglas County, Unincorporated Areas	Confluence with Crawfish Creek	Douglas County, GA boundary	03130002	3.41	n/a	Y	AE	2012
Hickory Creek	Douglas County, Unincorporated Areas	Confluence with Beaver Creek	Approximately 0.41 miles upstream of confluence of Hickory Creek Tributary E	03130002	3.70	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Hickory Creek Tributary A	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Hickory Creek	Approximately 1,926 feet upstream of confluence with Hickory Creek	03130002	0.36	n/a	Y	AE	2011
Hickory Creek Tributary B	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Hickory Creek	Approximately 0.64 miles upstream of confluence with Hickory Creek	03130002	0.64	n/a	Y	AE	2011
Hickory Creek Tributary C	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Hickory Creek	Approximately 0.78 miles upstream of confluence with Hickory Creek	03130002	0.78	n/a	Y	AE	2011
Hickory Creek Tributary D	Douglas County, Unincorporated Areas	Confluence with Hickory Creek	Approximately 0.46 miles upstream of confluence with Hickory Creek	03130002	0.46	n/a	Y	AE	2011
Hickory Creek Tributary E	Douglas County, Unincorporated Areas	Confluence with Hickory Creek	Approximately 0.47 miles upstream of confluence with Hickory Creek	03130002	0.47	n/a	Y	AE	2011
Huey Creek	Douglasville, City of; Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 1,200 feet upstream of Brown Street	03130002	2.72	n/a	N	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Huey Creek Tributary 1	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Huey Creek	Approximately 2.18 miles upstream of confluence with Huey Creek	03130002	2.18	n/a	N	AE	2011
Huey Creek Tributary 1.1	Douglas County, Unincorporated Areas	Confluence with Huey Creek Tributary 1.1	Approximately 1,550 feet upstream of confluence with Huey Creek Tributary 1	03130002	0.29	n/a	Y	AE	2011
Huey Creek Tributary 2	Douglas County, Unincorporated Areas	Confluence with Huey Creek	Approximately 926 feet upstream of confluence with Huey Creek	03130002	0.18	n/a	Y	AE	2011
Huey Creek Tributary 3	Douglas County, Unincorporated Areas	Confluence with Huey Creek	Approximately 1,666 feet upstream of confluence with Huey Creek	03130002	0.32	n/a	Y	AE	2011
Hurricane Creek	Douglas County, Unincorporated Areas	Approximately 0.48 miles downstream of confluence with Zion Branch	Approximately 1.06 miles upstream of confluence with Tyree Branch	03130002	7.44	n/a	Y	AE	2011
Hurricane Creek Tributary A	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 0.67 miles upstream of confluence with Hurricane Creek	03130002	0.67	n/a	Y	AE	2011
Hurricane Creek Tributary B	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 1,431 feet upstream of confluence with Hurricane Creek	03130002	0.27	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Hurricane Creek Tributary C	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 2,026 feet upstream of confluence with Hurricane Creek	03130002	0.38	n/a	Y	AE	2011
Hurricane Creek Tributary D	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 0.53 miles upstream of confluence with Hurricane Creek	03130002	0.53	n/a	Y	AE	2011
Hurricane Creek Tributary E	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 1,901 feet upstream of Tweeddale Drive	03130002	0.36	n/a	Y	AE	2011
Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 621 feet upstream of Highway 78	03130002	5.67	n/a	Y	AE	2012
Keaton Creek Tributary 1	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Just upstream of City of Villa Rica corporate limits	03130002	1.63	n/a	Y	AE	2012
Keaton Creek Tributary 2	Douglas County, Unincorporated Areas	Confluence with Keaton Creek Tributary 1	Douglas County, GA boundary	03130002	1.59	n/a	Y	AE	2012
Knollwood Branch	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Annewakee Creek	Approximately 1,913 feet upstream of confluence with Knollwood Branch Tributary A	03130002	1.98	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Knollwood Branch Tributary A	Douglas County, Unincorporated Areas	Confluence with Knollwood Branch	Approximately 1,552 feet upstream of confluence with Knollwood Branch	03130002	0.29	n/a	Y	AE	2011
Kraft Creek	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 1,110 feet upstream of confluence with Hurricane Creek	03130002	0.21	n/a	Y	AE	2011
Kraft Creek Tributary A	Douglas County, Unincorporated Areas	Confluence with Kraft Creek	Approximately 960 feet upstream of confluence with Kraft Creek	03130002	0.18	n/a	Y	AE	2011
Lamplighter Creek	Douglas County, Unincorporated Areas	Confluence with Helton Creek	Approximately 1,694 feet upstream of Tributary B to Lamplighter Creek	03130002	1.63	n/a	Y	AE	2012
Lion Branch	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Beaver Creek	Approximately 1.35 miles upstream of confluence of Lion Branch Tributary B	03130002	3.50	n/a	Y	AE	2011
Lion Branch Tributary A	Douglas County, Unincorporated Areas	Confluence with Lion Branch	Approximately 0.55 miles upstream of confluence with Lion Branch	03130002	0.55	n/a	Y	AE	2011
Lion Branch Tributary B	Douglas County, Unincorporated Areas	Confluence with Lion Branch	Approximately 0.41 miles upstream of confluence with Lion Branch	03130002	0.41	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Little Anneewakee Creek	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Anneewakee Creek	Approximately 637 feet upstream of City of Douglasville corporate limits	03130002	3.71	n/a	Y	AE	2011
Little Anneewakee Creek Tributary A	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Little Anneewakee Creek	City of Douglasville corporate limits	03130002	1.30	n/a	Y	AE	2011
Little Anneewakee Creek Tributary B	Douglasville, City of	Confluence with Little Anneewakee Creek	Approximately 0.43 miles upstream of confluence with Little Anneewakee Creek	03130002	0.43	n/a	Y	AE	2011
Little Anneewakee Creek Tributary C	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Little Anneewakee Creek	Approximately 1,910 feet upstream of confluence with Little Anneewakee Creek	03130002	0.36	n/a	Y	AE	2011
Little Anneewakee Creek Tributary D	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Little Anneewakee Creek	Approximately 108 feet upstream of City of Douglasville corporate limits	03130002	0.52	n/a	Y	AE	2011
Little Anneewakee Creek Tributary E	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Little Anneewakee Creek	Approximately 2,016 feet upstream of confluence with Little Anneewakee Creek	03130002	0.38	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Little Bear Creek	Douglas County, Unincorporated Areas	Confluence with Bear Creek	Approximately 1.00 mile upstream of confluence with Little Bear Creek Tributary F	03130002	6.81	n/a	Y	AE	2011
Little Bear Creek Tributary A	Douglas County, Unincorporated Areas	Confluence with Little Bear Creek	Approximately 0.61 miles upstream of confluence with Little Bear Creek Tributary B	03130002	1.07	n/a	Y	AE	2011
Little Bear Creek Tributary B	Douglas County, Unincorporated Areas	Confluence with Little Bear Creek Tributary A	Approximately 1,344 feet upstream of Little Bear Creek Tributary B	03130002	0.25	n/a	Y	AE	2011
Little Bear Creek Tributary C	Douglas County, Unincorporated Areas	Confluence with Little Bear Creek	Approximately 0.91 miles upstream of confluence with Little Bear Creek	03130002	0.91	n/a	Y	AE	2011
Little Bear Creek Tributary D	Douglas County, Unincorporated Areas	Confluence with Little Bear Creek	Approximately 0.60 miles upstream of confluence with Little Bear Creek	03130002	0.60	n/a	Y	AE	2011
Little Bear Creek Tributary E	Douglas County, Unincorporated Areas	Confluence with Little Bear Creek	Approximately 1.42 miles upstream of confluence with Little Bear Creek	03130002	1.42	n/a	Y	AE	2011
Little Bear Creek Tributary F	Douglas County, Unincorporated Areas	Confluence with Little Bear Creek	Approximately 2,054 feet upstream of confluence with Little Bear Creek	03130002	0.39	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Little Hurricane Creek	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 431 feet upstream of Summer Hill Drive	03130002	2.75	n/a	Y	AE	2011
Little Hurricane Creek Tributary A	Douglas County, Unincorporated Areas	Confluence with Little Hurricane Creek	Approximately 0.68 miles upstream of Gable Drive	03130002	0.77	n/a	Y	AE	2011
Margie Branch	Douglas County, Unincorporated Areas	Confluence with Beaver Creek	Approximately 0.48 miles upstream of Margie Lane	03130002	1.93	n/a	N	AE	2011
Margie Branch Tributary A	Douglas County, Unincorporated Areas	Confluence with Margie Branch	Approximately 1,839 feet upstream of confluence with Margie Branch	03130002	0.35	n/a	Y	AE	2011
Mason Creek	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 1.21 miles upstream of confluence with Mobley Creek	03130002	1.21	n/a	Y	AE	2012
McCoy Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 1,440 feet upstream of Interstate 20	03130002	1.36	n/a	Y	AE	2012
Mill Creek	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Gothards Creek	Approximately 1.09 miles upstream of confluence with Mill Creek Tributary 1	03130002	2.80	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Mill Creek Tributary 1	Douglasville, City of	Confluence with Mill Creek	Approximately 0.83 miles upstream of confluence with Mill Creek	03130002	0.83	n/a	Y	AE	2011
Miller Creek	Douglas County, Unincorporated Areas	Confluence with Beaver Creek	Approximately 610 feet upstream of Miller Street	03130002	0.73	n/a	Y	AE	2011
Miller Creek Tributary A	Douglas County, Unincorporated Areas	Confluence with Miller Creek	Approximately 1,454 feet upstream of confluence with Miller Creek	03130002	0.28	n/a	Y	AE	2011
Mobley Creek	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.74 miles upstream of John West Road	03130002	8.54	n/a	Y	AE	2012
Mobley Creek Tributary 6	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 0.60 miles upstream of East Union Hill Road	03130002	1.93	n/a	Y	AE	2012
Mobley Creek Tributary 7	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 0.41 miles upstream of confluence with Tributary C to Mobley Creek Tributary 7	03130002	2.33	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Mud Creek	Douglas County, Unincorporated Areas	Approximately 0.95 miles downstream of confluence of Waterfall Branch	Approximately 2.64 miles upstream of confluence with Town Branch	03130002	4.09	n/a	Y	AE	2011
Nalley Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 0.77 miles upstream of Highway 78	03130002	2.01	n/a	Y	AE	2012
Nancy Long Creek	Douglas County, Unincorporated Areas	Confluence with Billy Creek	Approximately 1.77 miles upstream of Liberty Road	03130002	2.13	n/a	Y	AE	2012
Palmer Branch	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 0.55 miles upstream of confluence with Palmer Branch Tributary C	03130002	2.33	n/a	Y	AE	2011
Palmer Branch Tributary A	Douglasville, City of	Confluence with Palmer Branch	Approximately 0.55 miles upstream of confluence with Palmer Branch	03130002	0.55	n/a	Y	AE	2011
Palmer Branch Tributary B	Douglasville, City of	Confluence with Palmer Branch	Approximately 0.54 miles upstream of confluence with Palmer Branch	03130002	0.54	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Palmer Branch Tributary C	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Palmer Branch	Approximately 0.46 miles upstream of confluence with Palmer Branch	03130002	0.46	n/a	Y	AE	2011
Panther Creek	Douglas County, Unincorporated Areas	Confluence with Chapel Farms Creek	Approximately 0.69 miles upstream of confluence of Panther Creek Tributary A	03130002	1.68	n/a	Y	AE	2011
Panther Creek Tributary A	Douglas County, Unincorporated Areas	Confluence with Panther Creek	Approximately 1,317 feet upstream of confluence with Panther Creek	03130002	0.25	n/a	Y	AE	2011
Park Creek	Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 1.42 miles upstream of confluence with Pinewood Branch	03130002	1.54	n/a	Y	AE	2011
Pine Creek	Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Douglas County, GA boundary	03130002	0.72	n/a	Y	AE	2011
Pinewood Branch	Douglas County, Unincorporated Areas	Confluence with Park Creek	Approximately 1,610 feet upstream of Lakeside Drive	03130002	0.92	n/a	Y	AE	2011
Pinewood Branch Tributary A	Douglas County, Unincorporated Areas	Confluence with Pinewood Branch	Approximately 0.59 miles upstream of confluence with Pinewood Branch	03130002	0.59	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Pool Creek	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 0.95 miles upstream of Pool Road	03130002	2.33	n/a	Y	AE	2012
Shell Creek	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 0.82 miles upstream of Shell Road	03130002	1.21	n/a	Y	AE	2011
Shoals Branch	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 1.17 mile upstream of confluence of Shoals Branch Tributary B	03130002	2.13	n/a	Y	AE	2011
Shoals Branch Tributary A	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Shoals Branch	Approximately 0.44 miles upstream of confluence with Shoals Branch	03130002	0.44	n/a	Y	AE	2011
Shoals Branch Tributary B	Douglas County, Unincorporated Areas	Confluence with Shoals Branch	Approximately 0.21 miles upstream of confluence with Shoals Branch	03130002	0.21	n/a	Y	AE	2011
Simon Creek	Douglas County, Unincorporated Areas	Confluence with Anneewakee Creek	Approximately 1.55 miles upstream of confluence with Anneewakee Creek	03130002	1.55	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Slater Mill Creek	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Little Anneewakee Creek	Approximately 0.46 miles upstream of Slater Mill Creek Tributary A	03130002	1.66	n/a	Y	AE	2011
Slater Mill Creek Tributary A	Douglasville, City of	Confluence with Slater Mill Creek	Approximately 1.58 miles upstream of confluence with Slater Mill Creek	03130002	1.58	n/a	Y	AE	2011
Slater Mill Creek Tributary B	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Slater Mill Creek	Approximately 0.71 miles upstream of confluence with Slater Mill Creek	03130002	0.71	n/a	Y	AE	2011
Spivey Branch	Douglas County, Unincorporated Areas	Confluence with Hickory Creek	Approximately 0.83 miles upstream of confluence of Spivey Branch Tributary B	03130002	1.92	n/a	Y	AE	2011
Spivey Branch Tributary A	Douglas County, Unincorporated Areas	Confluence with Spivey Branch	Approximately 0.76 miles upstream of confluence with Spivey Branch	03130002	0.76	n/a	Y	AE	2011
Spivey Branch Tributary B	Douglas County, Unincorporated Areas	Confluence with Spivey Branch	Approximately 2,003 feet upstream of confluence with Spivey Branch	03130002	0.38	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Sweetwater Creek	Austell, City of; Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Chattahoochee River	Douglas County, GA boundary	03130002	12.40	n/a	Y	AE	2011
Sweetwater Creek	Austell, City of; Douglasville, City of; Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 0.76 miles upstream of Douglas County, Ga boundary	03130002	0.76	n/a	Y	AE	2011
Sweetwater Creek Tributary A	Douglasville, City of	Confluence with Sweetwater Creek	Approximately 0.63 miles upstream of confluence with Sweetwater Creek	03130002	0.63	n/a	Y	AE	2011
Sweetwater Creek Tributary B	Douglasville, City of	Confluence with Sweetwater Creek	Approximately 0.47 miles upstream of confluence with Sweetwater Creek	03130002	0.47	n/a	Y	AE	2011
Sweetwater Creek Tributary C	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 0.77 miles upstream of confluence with Sweetwater Creek	03130002	0.77	n/a	Y	AE	2011
Sweetwater Creek Tributary D	Douglasville, City of	Confluence with Sweetwater Creek	Approximately 1.48 miles upstream of confluence with Sweetwater Creek	03130002	1.48	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Sweetwater Creek Tributary E	Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 0.88 miles upstream of confluence with Sweetwater Creek	03130002	0.88	n/a	Y	AE	2011
Sweetwater Creek Tributary F	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 0.58 miles upstream of confluence with Sweetwater Creek	03130002	0.58	n/a	Y	AE	2011
Sweetwater Creek Tributary G	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 0.84 miles upstream of confluence with Sweetwater Creek	03130002	0.84	n/a	Y	AE	2011
Sweetwater Creek Tributary H	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 0.94 miles upstream of confluence with Sweetwater Creek	03130002	0.94	n/a	Y	AE	2011
Sweetwater Creek Tributary I	Douglasville, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 0.58 miles upstream of confluence with Sweetwater Creek	03130002	0.58	n/a	Y	AE	2011
Sweetwater Creek Tributary J	Austell, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 1.02 miles upstream of confluence with Sweetwater Creek	03130002	1.02	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Sweetwater Creek Tributary K	Austell, City of; Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek	Approximately 1.04 miles upstream of confluence with Sweetwater Creek	03130002	1.04	n/a	Y	AE	2011
Sweetwater Creek Tributary L	Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 1.50 miles upstream of confluence with Sweetwater Creek Tributary L.3	03130002	2.14	n/a	Y	AE	2011
Sweetwater Creek Tributary L.2	Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek Tributary L	Approximately 0.52 miles upstream of confluence with Sweetwater Creek Tributary L	03130002	0.52	n/a	Y	AE	2011
Sweetwater Creek Tributary L.3	Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek Tributary L	Approximately 2,538 feet upstream of confluence with Sweetwater Creek Tributary L	03130002	0.48	n/a	Y	AE	2011
Sweetwater Creek Tributary L.3.1	Douglas County, Unincorporated Areas	Confluence with Sweetwater Creek Tributary L.3	Approximately 1,635 feet upstream of confluence with Sweetwater Creek Tributary L.3	03130002	0.31	n/a	Y	AE	2011
Tanyard Branch	Douglas County, Unincorporated Areas	Confluence with Little Bear Creek	Approximately 1.04 miles upstream of confluence with Tanyard Branch Tributary A	03130002	3.15	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tanyard Branch Tributary A	Douglas County, Unincorporated Areas	Confluence with Tanyard Branch	Approximately 0.50 miles upstream of confluence with Tanyard Branch	03130002	0.50	n/a	Y	AE	2011
Tiger Creek	Douglasville, City of	Confluence with Anneewakee Creek	Approximately 646 feet upstream of Rose Avenue	03130002	1.67	n/a	Y	AE	2011
Tiger Creek Tributary A	Douglasville, City of	Confluence with Tiger Creek	Approximately 891 feet upstream of confluence with Tiger Creek	03130002	0.17	n/a	Y	AE	2011
Town Branch	Douglas County, Unincorporated Areas	Confluence with Mud Creek	Approximately 3.06 miles upstream of confluence with Mud Creek	03130002	3.06	n/a	Y	AE	2011
Tributary 1 to Northern Lake	Douglas County, Unincorporated Areas	At Northern Lake	Approximately 0.93 miles upstream of Northern Lake	03130002	0.93	n/a	Y	AE	2011
Tributary 2 to Northern Lake	Douglas County, Unincorporated Areas	Confluence with Tributary 1 to Northern Lake	Approximately 0.32 miles upstream of confluence with Tributary 1 to Northern Lake	03130002	0.32	n/a	Y	AE	2011
Tributary A to Ayer Creek	Douglas County, Unincorporated Areas	Confluence with Ayer Creek	Douglas County, GA boundary	03130002	0.21	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary A to Baggett Creek	Douglas County, Unincorporated Areas	Confluence with Baggett Creek	Approximately 674 feet upstream of confluence with Baggett Creek	03130002	0.13	n/a	Y	AE	2012
Tributary A to Berea Creek	Douglas County, Unincorporated Areas	Confluence with Berea Creek	Approximatey 0.45 miles upstream of confluence with Berea Creek	03130002	0.45	n/a	Y	AE	2012
Tributary A to Billy Creek	Douglas County, Unincorporated Areas	Confluence with Billy Creek	Approximately 1,562 feet upstream of confluence with Billy Creek	03130002	0.30	n/a	Y	AE	2012
Tributary A to Bright Star Creek	Douglas County, Unincorporated Areas	Confluence with Bright Star Creek	Approximately 1,891 feet upstream of confluence with Bright Star Creek	03130002	0.37	n/a	Y	AE	2012
Tributary A to Crawfish Creek	Douglas County, Unincorporated Areas	Confluence with Crawfish Creek	Approximately 0.42 miles upstream of Longridge Drive	03130002	0.54	n/a	Y	AE	2012
Tributary A to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.74 milse upstream of confluence with Dog River	03130002	0.74	n/a	Y	AE	2012
Tributary A to Downs Creek	Douglas County, Unincorporated Areas	Confluence with Downs Creek	Approximately 0.45 miles upstream of confluence with Downs Creek	03130002	0.45	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary A to Ephesus Creek	Douglas County, Unincorporated Areas	Confluence with Ephesus Creek	Approximately 920 feet upstream of confluence with Ephesus Creek	03130002	0.17	n/a	Y	AE	2012
Tributary A to Flyblow Creek	Douglas County, Unincorporated Areas	Confluence with Flyblow Creek	Approximately 1,448 feet upstream of confluence with Flyblow Creek	03130002	0.27	n/a	Y	AE	2012
Tributary A to Helton Creek	Douglas County, Unincorporated Areas	Confluence with Helton Creek	Approximately 337 feet upstream of North Helton Road	03130002	0.19	n/a	Y	AE	2012
Tributary A to Keaton Creek Tributary 1	Douglas County, Unincorporated Areas	Confluence with Keaton Creek Tributary 1	Approximately 411 feet upstream of confluence with Keaton Creek Tributary 1	03130002	0.10	n/a	Y	AE	2012
Tributary A to Lamplighter Creek	Douglas County, Unincorporated Areas	Confluence with Lamplighter Creek	Approximately 1,416 feet upstream of confluence with Lamplighter Creek	03130002	0.27	n/a	Y	AE	2012
Tributary A to Mason Creek	Douglas County, Unincorporated Areas	Confluence with Mason Creek	Approximately 0.39 miles upstream of Interstate 20	03130002	0.67	n/a	Y	AE	2012
Tributary A to McCoy Creek	Douglas County, Unincorporated Areas	Confluence with McCoy Creek	Approximately 1,628 feet upstream of confluence with McCoy Creek	03130002	0.38	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary A to Mobley Creek	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 0.63 miles upstream of confluence with Mobley Creek	03130002	0.63	n/a	Y	AE	2012
Tributary A to Mobley Creek Tributary 6	Douglas County, Unincorporated Areas	Confluence with Mobley Creek Tributary 6	Approximately 1,152 feet upstream of Mobley Creek Tributary 6	03130002	0.22	n/a	Y	AE	2012
Tributary A to Mobley Creek Tributary 7	Douglas County, Unincorporated Areas	Confluence with Mobley Creek Tributary 7	Approximately 0.71 miles upstream of Mobley Creek Tributary 7	03130002	0.71	n/a	Y	AE	2012
Tributary A to Nalley Creek	Douglas County, Unincorporated Areas	Confluence with Nalley Creek	Approximately 787 feet upstream of Tyson Road	03130002	0.43	n/a	Y	AE	2012
Tributary A to Nancy Long Creek	Douglas County, Unincorporated Areas	Confluence with Nancy Long Creek	Approximately 820 feet upstream of Big Oak Drive	03130002	0.53	n/a	Y	AE	2012
Tributary A to Pool Creek	Douglas County, Unincorporated Areas	Confluence with Pool Creek	Approximately 0.69 miles upstream of Gibbs Way	03130002	0.87	n/a	Y	AE	2012
Tributary A to Tyson Creek	Douglas County, Unincorporated Areas	Confluence with Tyson Creek	Approximately 0.66 miles upstream of Liberty Road	03130002	0.71	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary B to Billy Creek	Douglas County, Unincorporated Areas	Confluence with Billy Creek	Approximately 0.48 miles upstream of confluence with Billy Creek	03130002	0.48	n/a	Y	AE	2012
Tributary B to Crawfish Creek	Douglas County, Unincorporated Areas	Confluence with Crawfish Creek	Approximately 0.43 miles upstream of confluence with Crawfish Creek	03130002	0.43	n/a	Y	AE	2012
Tributary B to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.69 miles upstream of confluence with Dog River	03130002	0.69	n/a	Y	AE	2012
Tributary B to Duncan Creek	Douglas County, Unincorporated Areas	Confluence with Duncan Creek	Approximately 0.55 miles upstream of confluence with Duncan Creek	03130002	0.55	n/a	Y	AE	2012
Tributary B to Ephesus Creek	Douglas County, Unincorporated Areas	Confluence with Ephesus Creek	Approximately 737 feet upstream of confluence with Ephesus Creek	03130002	0.14	n/a	Y	AE	2012
Tributary B to Flyblow Creek	Douglas County, Unincorporated Areas	Confluence with Flyblow Creek	Approximately 0.51 miles upstream of confluence with Flyblow Creek	03130002	0.51	n/a	Y	AE	2012
Tributary B to Helton Creek	Douglas County, Unincorporated Areas	Confluence with Helton Creek	Approximately 0.42 miles upstream of North Helton Road	03130002	0.46	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary B to Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 0.78 miles upstream of confluence with Keaton Creek	03130002	0.78	n/a	Y	AE	2012
Tributary B to Keaton Creek Tributary 1	Douglas County, Unincorporated Areas	Confluence with Keaton Creek Tributary 1	Approximately 422 feet upstream of confluence with Keaton Creek Tributary 1	03130002	0.08	n/a	Y	AE	2012
Tributary B to Lamplighter Creek	Douglas County, Unincorporated Areas	Confluence with Lamplighter Creek	Approximately 0.86 miles upstream of confluence with Lamplighter Creek	03130002	0.86	n/a	Y	AE	2012
Tributary B to McCoy Creek	Douglas County, Unincorporated Areas	Confluence with McCoy Creek	Approximately 1,888 feet upstream of confluence with McCoy Creek	03130002	0.36	n/a	Y	AE	2012
Tributary B to Mobley Creek	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 450 feet upstream of Pool Road	03130002	0.33	n/a	Y	AE	2012
Tributary B to Mobley Creek Tributary 6	Douglas County, Unincorporated Areas	Confluence with Mobley Creek Tributary 6	Approximately 715 feet upstream of confluence with Mobley Creek Tributary 6	03130002	0.14	n/a	Y	AE	2012
Tributary B to Mobley Creek Tributary 7	Douglas County, Unincorporated Areas	Confluence with Mobley Creek Tributary 7	Approximately 100 feet upstream of Briarcliff Drive	03130002	0.67	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary B to Pool Creek	Douglas County, Unincorporated Areas	Confluence with Pool Creek	Approximately 2,837 feet upstream of confluence with Pool Creek	03130002	0.54	n/a	Y	AE	2012
Tributary C to Billy Creek	Douglas County, Unincorporated Areas	Confluence with Billy Creek	Approximately 1,870 feet upstream of confluence with Billy Creek	03130002	0.35	n/a	Y	AE	2012
Tributary C to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.47 miles upstream of confluence with Dog River	03130002	0.47	n/a	Y	AE	2012
Tributary C to Flyblow Creek	Douglas County, Unincorporated Areas	Confluence with Flyblow Creek	Approximately 1.20 milse upstream of confluence with Flyblow Creek	03130002	1.20	n/a	Y	AE	2012
Tributary C to Helton Creek	Douglas County, Unincorporated Areas	Confluence with Helton Creek	Approximately 1,185 feet upstream of confluence with Helton Creek	03130002	0.22	n/a	Y	AE	2012
Tributary C to Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 1,393 feet upstream of confluence with Keaton Creek	03130002	0.26	n/a	Y	AE	2012
Tributary C to Lamplighter Creek	Douglas County, Unincorporated Areas	Douglas County, GA boundary	Approximately 838 feet upstream of Douglas County, GA boundary	03130002	0.16	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary C to Mobley Creek	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 1,227 feet upstream of confluence with Mobley Creek	03130002	0.23	n/a	Y	AE	2012
Tributary C to Mobley Creek Tributary 7	Douglas County, Unincorporated Areas	Confluence with Mobley Creek Tributary 7	Approximately 525 feet upstream of Rainbow Drive	03130002	0.30	n/a	Y	AE	2012
Tributary D to Billy Creek	Douglas County, Unincorporated Areas	Confluence with Billy Creek	Approximately 0.53 miles upstream of confluence with Billy Creek	03130002	0.53	n/a	Y	AE	2012
Tributary D to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 1,428 feet upstream of confluence with Dog River	03130002	0.27	n/a	Y	AE	2012
Tributary D to Flyblow Creek	Douglas County, Unincorporated Areas	Confluence with Flyblow Creek	Approximately 420 feet upstream of Ansbury Parkway	03130002	0.49	n/a	Y	AE	2012
Tributary D to Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 0.45 miles upstream of confluence with Keaton Creek	03130002	0.45	n/a	Y	AE	2012
Tributary D to Mobley Creek	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 1,640 feet upstream of confluence with Mobley Creek	03130002	0.31	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary E to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.69 miles upstream of confluence with Dog River	03130002	0.69	n/a	Y	AE	2012
Tributary E to Flyblow Creek	Douglas County, Unincorporated Areas	Confluence with Flyblow Creek	Approximately 1,685 feet upstream of confluence with Flyblow Creek	03130002	0.32	n/a	Y	AE	2012
Tributary E to Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 0.70 miles upstream of confluence with Keaton Creek	03130002	0.70	n/a	Y	AE	2012
Tributary E to Mobley Creek	Douglas County, Unincorporated Areas	Confluence with Mobley Creek	Approximately 674 feet upstream of South Baggett Road	03130002	0.39	n/a	Y	AE	2012
Tributary F to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.45 miles upstream of Dukes Road	03130002	0.99	n/a	Y	AE	2012
Tributary F to Flyblow Creek	Douglas County, Unincorporated Areas	Confluence with Flyblow Creek	Approximately 0.59 miles upstream of confluence with Flyblow Creek	03130002	0.59	n/a	Y	AE	2012
Tributary F to Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 0.59 miles upstream of confluence with Keaton Creek	03130002	0.59	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary F to Mobley Creek	Douglas County, Unincorporated Areas; Douglasville, City of	Confluence with Mobley Creek	Approximately 0.50 miles upstream of confluence with Mobley Creek	03130002	0.50	n/a	Y	AE	2012
Tributary G to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.27 miles upstream of confluence with Dog River	03130002	0.27	n/a	Y	AE	2012
Tributary G to Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 1,898 feet upstream of confluence with Keaton Creek	03130002	0.36	n/a	Y	AE	2012
Tributary H to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.56 miles upstream of confluence with Dog River	03130002	0.56	n/a	Y	AE	2012
Tributary H to Keaton Creek	Douglas County, Unincorporated Areas	Confluence with Keaton Creek	Approximately 645 feet upstream of confluence with Keaton Creek	03130002	0.12	n/a	Y	AE	2012
Tributary I to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 1,769 feet upstream of confluence with Dog River	03130002	0.34	n/a	Y	AE	2012
Tributary J to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Just downstream of Trout Creek Drive	03130002	0.20	n/a	Y	AE	2012

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tributary K to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.35 miles upstream of confluence with Dog River	03130002	0.35	n/a	Y	AE	2012
Tributary M to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.55 miles upstream of Jenkins Road	03130002	0.88	n/a	Y	AE	2012
Tributary N to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.43 miles upstream of confluence with Dog River	03130002	0.43	n/a	Y	AE	2012
Tributary O to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 1,106 feet upstream of confluence with Dog River	03130002	0.21	n/a	Y	AE	2012
Tributary P to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 1,658 feet upstream of Watkins Mill Road	03130002	0.37	n/a	Y	AE	2012
Tributary Q to Dog River	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 595 feet upstream of West Union Hill Road	03130002	0.70	n/a	Y	AE	2012
Tyree Branch	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 1.10 miles upstream of confluence with Hurricane Creek	03130002	1.10	n/a	Y	AE	2011

Table 2: Flooding Sources included in this FIS Report continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tyson Creek	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 0.75 miles upstream of Liberty Road	03130002	1.15	n/a	Y	AE	2012
Waterfall Branch	Douglas County, Unincorporated Areas	Confluence with Mud Creek	Approximately 1.03 miles upstream of confluence with Mud Creek	03130002	1.03	n/a	Y	AE	2011
Yellow Rock Creek	Douglas County, Unincorporated Areas	Confluence with Dog River	Approximately 402 feet upstream of Pamela Drive	03130002	1.74	n/a	Y	AE	2012
Zion Branch	Douglas County, Unincorporated Areas	Confluence with Hurricane Creek	Approximately 1.51 miles upstream of confluence with Hurricane Creek	03130002	1.51	n/a	Y	AE	2011

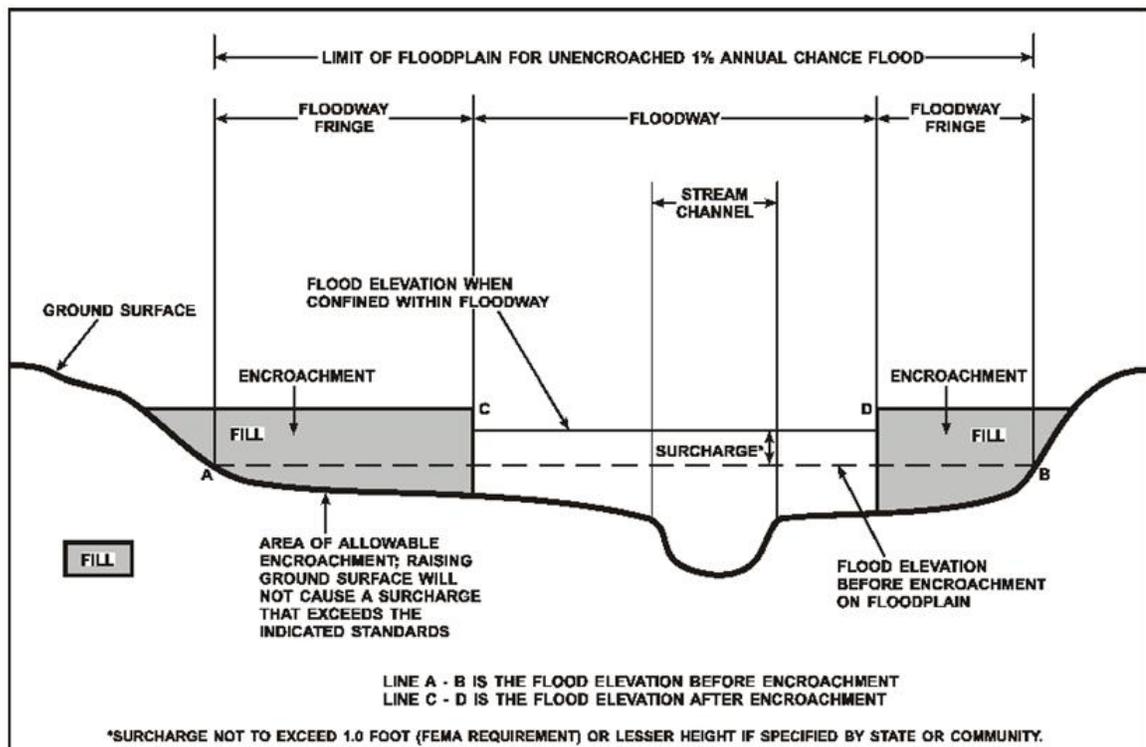
2.2 Floodways

Encroachment on floodplains, such as structures and fill, reduces flood-carrying capacity, increases flood heights and velocities, and increases flood hazards in areas beyond the encroachment itself. One aspect of floodplain management involves balancing the economic gain from floodplain development against the resulting increase in flood hazard.

For purposes of the NFIP, a floodway is used as a tool to assist local communities in balancing floodplain development against increasing flood hazard. With this approach, the area of the 1% annual chance floodplain on a river is divided into a floodway and a floodway fringe based on hydraulic modeling. The floodway is the channel of a stream, plus any adjacent floodplain areas, that must be kept free of encroachment in order to carry the 1% annual chance flood. The floodway fringe is the area between the floodway and the 1% annual chance floodplain boundaries where encroachment is permitted. The floodway must be wide enough so that the floodway fringe could be completely obstructed without increasing the water surface elevation of the 1% annual chance flood more than 1 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to floodplain development are shown in Figure 4.

To participate in the NFIP, Federal regulations require communities to limit increases caused by encroachment to 1.0 foot, provided that hazardous velocities are not produced. Regulations for State require communities in Douglas County to limit increases caused by encroachment to 1.0 foot and several communities have adopted additional restrictions. The floodways in this project are presented to local agencies as minimum standards that can be adopted directly or that can be used as a basis for additional floodway projects.

Figure 4: Floodway Schematic



Floodway widths presented in this FIS Report and on the FIRM were computed at cross sections. Between cross sections, the floodway boundaries were interpolated. For certain stream segments, floodways were adjusted so that the amount of floodwaters conveyed on each side of the floodplain would be reduced equally. The results of the floodway computations have been tabulated for selected cross sections and are shown in Table 24, "Floodway Data."

All floodways that were developed for this Flood Risk Project are shown on the FIRM using the symbology described in Figure 3. In cases where the floodway and 1% annual chance floodplain boundaries are either close together or collinear, only the floodway boundary has been shown on the FIRM. For information about the delineation of floodways on the FIRM, refer to Section 6.3.

2.3 Base Flood Elevations

The hydraulic characteristics of flooding sources were analyzed to provide estimates of the elevations of floods of the selected recurrence intervals. The Base Flood Elevation (BFE) is the elevation of the 1% annual chance flood. These BFEs are most commonly rounded to the whole foot, as shown on the FIRM, but in certain circumstances or locations they may be rounded to 0.1 foot. Cross section lines shown on the FIRM may also be labeled with the BFE rounded to 0.1 foot. Whole-foot BFEs derived from engineering analyses that apply to coastal areas, areas of ponding, or other static areas with little elevation change may also be shown at selected intervals on the FIRM.

Cross sections with BFEs shown on the FIRM correspond to the cross sections shown in the Floodway Data table and Flood Profiles in this FIS Report. BFEs are primarily intended for flood insurance rating purposes. For construction and/or floodplain management purposes, users are cautioned to use the flood elevation data presented in this FIS Report in conjunction with the data shown on the FIRM.

2.4 Non-Encroachment Zones

This section is not applicable to this Flood Risk Project.

2.5 Coastal Flood Hazard Areas

This section is not applicable to this Flood Risk Project.

2.5.1 Water Elevations and the Effects of Waves

This section is not applicable to this Flood Risk Project.

Figure 5: Wave Runup Transect Schematic

[Not Applicable to this Flood Risk Project]

2.5.2 Floodplain Boundaries and BFEs for Coastal Areas

This section is not applicable to this Flood Risk Project.

2.5.3 Coastal High Hazard Areas

This section is not applicable to this Flood Risk Project.

Figure 6: Coastal Transect Schematic

[Not Applicable to this Flood Risk Project]

2.5.4 Limit of Moderate Wave Action

This section is not applicable to this Flood Risk Project.

SECTION 3.0 – INSURANCE APPLICATIONS

3.1 National Flood Insurance Program Insurance Zones

For flood insurance applications, the FIRM designates flood insurance rate zones as described in Figure 3. Each FIRM panel contains an abbreviated legend for the features shown on the maps. However, the FIRM panel does not contain enough space to show the legend for all map features. Figure 3 shows the full legend of all map features. Note that not all of these features may appear on the FIRM panels in Douglas County.

Figure 3, “Map Legend for FIRM.” Flood insurance zone designations are assigned to flooding sources based on the results of the hydraulic or coastal analyses. Insurance agents use the zones shown on the FIRM and depths and base flood elevations in this FIS Report in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

The 1% annual chance floodplain boundary corresponds to the boundary of the areas of special flood hazards (e.g. Zones A, AE, V, VE, etc.), and the 0.2% annual chance floodplain boundary corresponds to the boundary of areas of additional flood hazards.

Table 3 lists the flood insurance zones in Douglas County.

Table 3: Flood Zone Designations by Community

Community	Flood Zone(s)
Austell, City of	AE, X
Douglas County, Unincorporated Areas	A, AE, X
Douglasville, City of	A, AE, X

3.2 Coastal Barrier Resources System

This section is not applicable to this Flood Risk Project.

Table 4: Coastal Barrier Resources System Information

[Not Applicable to this Flood Risk Project]

SECTION 4.0 – AREA STUDIED

4.1 Basin Description

Table 5 contains a description of the characteristics of the HUC-8 sub-basins within which each

community falls. The table includes the main flooding sources within each basin, a brief description of the basin, and its drainage area.

Table 5: Basin Characteristics

HUC-8 Sub-Basin Name	HUC-8 Sub-Basin Number	Primary Flooding Source	Description of Affected Area	Drainage Area (square miles)
Middle Chattahoochee-Lake Harding Watershed	03130002	Chattahoochee River	Basin covers the entirety of Douglas County	3,047

4.2 Principal Flood Problems

Table 6 contains a description of the principal flood problems that have been noted for Douglas County by flooding source.

Table 6: Principal Flood Problems

Flooding Source	Description of Flood Problems
Chattahoochee River	Flooding on the Chattahoochee River is a slower flooding source that can be caused by rain from as far north as Helen, Georgia on its way to discharge into the Gulf of Mexico. It effects the southeastern portion of Dougals County (County Development Services, 2016).
Dog River	Dog River covers the southwestern portion of Douglas County. Recently, Douglas County suffered damage during floods in September of 2009, within which the peak streamflow estimate is 59,900 cfs, six times the 0.2% annual probability (USGS Gage No. 02337410, USGS 2016b).
Sweetwater Creek	Sweetwater Creek is the source of several major flooding events in the vicinity of the City of Austell in July of 1916, February of 1982, July of 2005, and September of 2009 with peak flows of 12,600 cfs, 10,700 cfs, 13,400 cfs, and 31,490 cfs respectively (USGS Gage No. 02337000, USGS 2007). The Most recent flooding along Sweetwater Creek occurred on April 8, 2014, with a peak flow of 4,170 cfs Most flooding in this region occurs during tropical storms and affects the northern and eastern areas of Dougals County (USGS, 2016a).

Table 7 contains information about historic flood elevations in the communities within Douglas County.

Table 7: Historic Flooding Elevations

Flooding Source	Location	Historic Peak (Feet NAVD88)	Event Date	Approximate Recurrence Interval (years)	Source of Data
Dog River	At Georgia 5, near Fairplay, Georgia	33.83	2009	N/A	USGS, 2016b
Sweetwater Creek	Vicinity of the City of Austell	20.0	1916	N/A	USGS, 2007
Sweetwater Creek	Vicinity of the City of Austell	19.9	1982	N/A	USGS, 2016a
Sweetwater Creek	Vicinity of the City of Austell	21.87	2005	N/A	USGS, 2016a

4.3 Non-Levee Flood Protection Measures

This section is not applicable to this Flood Risk Project.

Table 8: Non-Levee Flood Protection Measures

[Not applicable to this Flood Risk Project]

4.4 Levees

This section is not applicable to this Flood Risk Project.

Table 9: Levees

[Not applicable to this Flood Risk Project]

SECTION 5.0 – ENGINEERING METHODS

For the flooding sources in the community, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this study. Flood events of a magnitude that are expected to be equaled or exceeded at least once on the average during any 10-, 25-, 50-, 100-, or 500-year period (recurrence interval) have been selected as having special significance for floodplain management and for flood insurance rates. These events, commonly termed the 10-, 25-, 50-, 100-, and 500-year floods, have a 10-, 4-, 2-, 1-, and 0.2% annual chance, respectively, of being equaled or exceeded during any year.

Although the recurrence interval represents the long-term, average period between floods of a specific magnitude, rare floods could occur at short intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than 1 year are considered. For example, the risk of having a flood that equals or exceeds the 100-year flood (1-percent chance of annual exceedance) during the term of a 30-year mortgage is approximately 26 percent (about 3 in 10); for any 90-year period, the risk increases to approximately 60 percent (6 in 10). The analyses reported herein reflect flooding potentials based on conditions existing in the community at the time of completion of this study. Maps and flood elevations will be amended periodically to reflect future changes.

The engineering analyses described here incorporate the results of previously issued Letters of Map Change (LOMCs) listed in Table 27, “Incorporated Letters of Map Change”, which include Letters of Map Revision (LOMRs). For more information about LOMRs, refer to Section 6.5, “FIRM Revisions.”

5.1 Hydrologic Analyses

Hydrologic analyses were carried out to establish the peak elevation-frequency relationships for floods of the selected recurrence intervals for each flooding source studied. Hydrologic analyses are typically performed at the watershed level. Depending on factors such as watershed size and shape, land use and urbanization, and natural or man-made storage, various models or methodologies may be applied. A summary of the hydrologic methods applied to develop the discharges used in the hydraulic analyses for each stream is provided in Table 13. Greater detail (including assumptions, analysis, and results) is available in the archived project documentation.

A summary of the discharges is provided in Table 10. Frequency Discharge-Drainage Area A summary of stillwater elevations developed for non-coastal flooding sources is provided in Table 11. (Coastal stillwater elevations are discussed in Section 5.3 and shown in Table 17.) Stream gage information is provided in Table 12.

Table 10: Summary of Discharges

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Alexander Branch	At the confluence with Bear Creek	1.43	1,070	*	1,519	1,714	2,232
Alexander Branch	Just downstream of the confluence with Alexander Branch Tributary A	1.36	1,043	*	1,479	1,668	2,155
Alexander Branch	Just downstream of the confluence of Alexander Branch Tributary B	0.80	459	*	680	780	1,032
Alexander Branch	Approximately 3,640 feet upstream of confluence of Alexander Branch Tributary B	0.15	221	*	321	365	475
Alexander Branch Tributary A	At the confluence with Alexander Branch	0.36	406	*	606	695	917
Alexander Branch Tributary A	Just upstream of Cougar Trail	0.34	401	*	598	685	904
Alexander Branch Tributary B	At the confluence with Alexander Branch	0.45	160	*	220	246	311
Alexander Branch Tributary B	Just downstream of Lake Sarah Glenn	0.40	51	*	72	81	153
Amber Creek	At the confluence with Anneewakee Creek	1.11	966	*	1,665	1,950	2,645

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Amber Creek	Just downstream of the confluence of Amber Creek Tributary A	0.81	774	*	1,259	1,465	1,980
Amber Creek	Approximately 0.69 miles upstream of confluence of Alexander Branch Tributary B	0.38	435	*	651	746	984
Amber Creek Tributary A	At the confluence with Amber Creek	0.31	400	*	597	685	912
Anneewakee Creek	At the confluence with the Chattahoochee River	29.89	6,024	*	9,286	10,744	14,493
Anneewakee Creek	Just downstream of the confluence of Anneewakee Creek Tributaries A and B	29.36	6,499	*	9,924	11,496	15,560
Anneewakee Creek	Just downstream of the confluence of Chapel Farms Creek	28.47	6,421	*	9,818	11,379	15,409
Anneewakee Creek	Just downstream of confluence of Anneewakee Creek Tributary C	25.82	6,366	*	9,696	11,232	15,213
Anneewakee Creek	Just upstream of the confluence of Amber Creek	25.19	6,364	*	9,682	11,214	15,204

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Anneewakee Creek	Just downstream of the confluence of Aneewakee Creek Tributary D	23.78	6,232	*	9,479	10,970	14,821
Anneewakee Creek	Approximately 680 feet upstream of Anneewakee Road	23.06	6,200	*	9,431	10,913	14,780
Anneewakee Creek	Just upstream of the confluence of Crooked Creek	22.82	6,172	*	9,381	10,849	14,622
Anneewakee Creek	Just downstream of the confluence of Simon Creek	19.01	5,122	*	7,692	8,840	11,688
Anneewakee Creek	Just downstream of the confluence of Anneewakee Creek Tributary F	18.02	5,038	*	7,548	8,669	11,421
Anneewakee Creek	Just downsream o fhte confluence of Bomar Branch	17.61	4,992	*	7,474	8,584	11,307
Anneewakee Creek	Just downstream of the confluence of Farm Branch	16.70	5,359	*	8,112	9,326	12,291
Anneewakee Creek	Just downstream of the confluence of Anneewakee Creek Tributary G	16.40	5,775	*	8,739	10,011	13,136

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Anneewakee Creek	Just downstream of the confluence of Anneewakee Creek Tributary H	16.03	5,868	*	8,861	10,146	13,307
Anneewakee Creek	Just downstream of the confluence of Anneewakee Creek Tributary I	15.69	6,323	*	9,552	10,930	14,348
Anneewakee Creek	Just downstream of the confluence of Little Anneewakee Creek	8.94	6,837	*	10,286	11,756	15,413
Anneewakee Creek	Just downstream of the confluence of Crossing Branch	7.21	3,706	*	5,360	6,076	7,852
Anneewakee Creek	Just downstream of the confluence of Austin Creek	6.08	3,921	*	5,489	6,162	7,827
Anneewakee Creek	Just downstream of the confluence of Anneewakee Creek Tributary J	5.42	3,526	*	4,886	5,428	6,790
Anneewakee Creek	Just downstream of the confluence of Knollwood Branch	4.27	3,697	*	5,053	5,620	6,972
Anneewakee Creek	Just downstream of the confluence of Arbor Branch	2.26	2,518	*	3,321	3,623	4,300

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Anneewakee Creek	Just downstream of the confluence of Tiger Creek	1.64	1,548	*	2,123	2,365	2,879
Anneewakee Creek	Just upstream of the confluence of Tiger Creek	1.63	708	*	1,035	1,209	1,676
Anneewakee Creek	Just downstream of confluence of Anneewakee Creek Tributary K	1.29	956	*	1,399	1,639	2,242
Anneewakee Creek	Just downstream of confluence of Anneewakee Creek Tributary L	0.75	626	*	1,018	1,260	1,821
Anneewakee Creek	Just upstream of the confluence of Anneewakee Creek Tributary L	0.38	291	*	556	725	1,128
Anneewakee Creek Tributary A	At the confluence with Anneewakee Creek	0.33	185	*	285	398	783
Anneewakee Creek Tributary A	Approximately 1,000 feet upstream of the confluence with Anneewakee Creek	0.25	69	*	256	357	708
Anneewakee Creek Tributary B	At the confluence with Anneewakee Creek	0.23	307	*	455	522	692

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Anneewakee Creek Tributary C	At the confluence with Anneewakee Creek	0.19	378	*	546	620	807
Anneewakee Creek Tributary D	At the confluence with Anneewakee Creek	0.27	317	*	467	536	707
Anneewakee Creek Tributary E	At the confluence with Anneewakee Creek	0.24	208	*	306	349	459
Anneewakee Creek Tributary F	At the confluence with Anneewakee Creek	0.36	311	*	462	529	703
Anneewakee Creek Tributary G	At the confluence with Anneewakee Creek	0.30	222	*	370	487	777
Anneewakee Creek Tributary G	Approximately 0.45 miles upstream of Warren Road	0.29	117	*	221	303	473
Anneewakee Creek Tributary H	At the confluence with Anneewakee Creek	0.25	289	*	422	480	628
Anneewakee Creek Tributary I	At the confluence with Anneewakee Creek	0.26	466	*	674	765	995
Anneewakee Creek Tributary J	At the confluence with Anneewakee Creek	0.23	352	*	502	567	731
Anneewakee Creek Tributary K	At the confluence with Anneewakee Creek	0.95	132	*	198	226	292
Anneewakee Creek Tributary L	At the confluence with Anneewakee Creek	0.32	255	*	368	418	544
Anneewakee Creek Tributary L	At the confluence with Anneewakee Creek	1.69	1,170	*	1,450	1,565	1,794

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Anneewakee Creek Tributary L	Approximately 500 feet downstream of State Highway 5	0.99	1,717	*	2,304	2,546	3,154
Anneewakee Creek Tributary L	Just downstream of the confluence of Arbor Branch Tributary A	0.52	903	*	1,156	1,268	1,547
Arbor Branch Tributary A	At the confluence with Arbor Branch	0.40	285	*	335	357	410
Austin Creek	At the confluence with Anneewakee Creek	1.00	374	*	600	707	985
Austin Creek	Just upstream of Yancey Road	0.43	356	*	521	595	790
Ayer Creek	Confluence with Crawfish Creek	1.07	1,031	1,422	1,614	1,789	2,289
Ayer Creek	Confluence with Tributary A to Ayer Creek	0.57	562	775	943	1,117	1,561
Baggett Creek	Confluence with Mobley Creek	0.77	241	384	531	697	944
Baggett Creek	Just upstream of confluence with Mobley Creek	0.32	470	646	756	847	1,052
Baggett Creek	Approximately 1,380 feet upstream of confluence with Mobley Creek	0.27	455	625	732	820	966

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Baggett Creek	At Interstate 20	0.18	582	828	1,026	1,235	1,776
Baggett Creek	Just upstream of confluence with Tributary A to Baggett Creek	0.08	341	476	585	699	991
Baldwin Creek	At the confluence with Little Bear Creek	2.41	1,731	*	2,585	2,976	4,004
Baldwin Creek	At Bear Creek Golf Course	2.20	1,761	*	2,647	3,055	4,097
Baldwin Creek	Just downstream of the confluence of Baldwin Creek Tributary A	1.13	1,345	*	1,985	2,265	2,959
Baldwin Creek	Just upstream of North Bear Drive	0.27	354	*	507	574	743
Baldwin Creek Tributary A	At the confluence with Anneewakee Creek	0.35	394	*	585	678	885
Baldwin Creek Tributary A	Just upstream of Dorsett Shoals Road	0.12	230	*	334	380	496
Bear Creek	At confluence with Chattahoochee River	17.55	4,180	*	6,484	7,574	10,479
Bear Creek	Just downstream of the confluence of Bear Creek Tributary A	17.39	4,269	*	6,685	7,832	10,913

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Bear Creek	Just downstream of the confluence of Bear Creek Tributary B	17.13	4,259	*	6,669	7,814	10,893
Bear Creek	Just downstream of Bear Creek Reservoir	16.79	4,281	*	6,713	7,877	11,012
Bear Creek	Just downstream of Little Bear Creek	15.70	4,385	*	6,886	8,094	11,374
Bear Creek	Just downstream of the confluence of Bear Creek Tributary D	5.97	2,168	*	3,250	3,810	5,317
Bear Creek	Just downstream of the confluence of Bear Creek Tributary F	5.90	2,310	*	3,441	3,987	5,541
Bear Creek	Just downstream of the confluence of Bear Creek Tributary G	4.81	1,985	*	3,163	3,706	5,154
Bear Creek	Just downstream of Kings Highway	4.29	1,899	*	3,030	3,544	4,901
Bear Creek	Just downstream of the confluence of Dorsett Creek	4.01	1,969	*	3,162	3,700	5,116
Bear Creek	Just downstream of the confluence of Alexander Branch	3.13	1,720	*	2,809	3,287	4,452
Bear Creek	Just upstream of South Skyline Drive	0.58	691	*	1,076	1,251	1,693

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Bear Creek	Just downstream of Hillpine Drive	0.33	492	*	724	827	1,089
Bear Creek Tributary A	At the confluence with Bear Creek	0.25	315	*	465	538	752
Bear Creek Tributary A	Approximately 1,180 feet upstream of the confluence with Bear Creek	0.16	233	*	346	398	529
Bear Creek Tributary B	At the confluence with Bear Creek	0.10	179	*	261	297	388
Bear Creek Tributary C	At the confluence with Bear Creek	0.35	308	*	453	517	684
Bear Creek Tributary C	Just downstream of Fouts Mill Road	0.28	415	*	613	702	929
Bear Creek Tributary D	At the confluence with Bear Creek	0.20	355	*	527	602	792
Bear Creek Tributary D	At Double Birch Road	0.14	252	*	368	420	551
Bear Creek Tributary E	At the confluence with Bear Creek	0.22	103	*	172	272	530
Bear Creek Tributary E	Approximately 1,160 feet upstream of the confluence with Bear Creek	0.17	30	*	152	242	466

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Bear Creek Tributary F	At the confluence with Bear Creek	0.35	518	*	760	868	1,152
Bear Creek Tributary F	Just downstream of Yorktown Road	0.26	421	*	617	704	924
Bear Creek Tributary G	At the confluence with Bear Creek	0.18	217	*	319	365	481
Beaver Creek	At the confluence with Sweetwater Creek	13.60	2,260	*	3,202	3,573	5,195
Beaver Creek	Approximately 650 feet downstream of Lee Road	10.30	2,221	*	2,957	3,268	5,290
Beaver Creek	Approximately 150 feet downstream of the confluence of Miller Creek	2.43	1,416	*	2,275	2,685	3,892
Beaver Creek	Approximately 260 feet downstream of the confluence of Margie Branch	0.69	907	*	1,466	1,764	2,610
Beaver Creek Tributary A	At the confluence with Beaver Creek	0.24	112	*	231	276	373
Berea Creek	Confluence with Mobley Creek	0.45	592	831	1,023	1,226	1,755
Berea Creek	Confluence with Tributary A to Berea Creek	0.27	190	273	339	408	587

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Billy Creek	Confluence with Dog River	1.92	1,190	1,664	2,003	2,516	4,181
Billy Creek	Confluence with Tributary A to Billy Creek	1.60	1,035	1,429	1,706	2,331	3,957
Billy Creek	Confluence with Nancy Long Creek	1.58	811	1,111	1,443	1,953	3,183
Billy Creek	Confluence with Tributary B to Billy Creek	1.01	745	1,093	1,431	1,872	2,941
Billy Creek	Confluence with Tributary C to Billy Creek	0.75	740	1,087	1,380	1,685	2,443
Billy Creek	Confluence with Tributary D to Billy Creek	0.68	515	748	947	1,156	1,777
Billy Creek	Approximately 1,840 feet upstream of confluence with Tributary D to Billy Creek	0.50	269	411	532	663	1,019
Billy Creek	Approximately 0.69 miles upstream of confluence with Tributary D to Billy Creek	0.38	132	218	297	385	621
Billy Creek	Approximately 0.90 miles upstream of confluence with Tributary D to Billy Creek	0.30	154	228	289	353	520

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Billy Creek	Approximately 1.15 miles upstream of confluence with Tributary D to Billy Creek	0.19	149	203	246	289	428
Boatwright Creek	Confluence with Mobley Creek	1.16	934	1,302	1,687	2,094	3,216
Boatwright Creek	Just upstream of confluence with Boatwright Creek Tributary A	0.79	520	791	1,023	1,334	2,224
Boatwright Creek	Confluence with Boatwright Creek Tributary B	0.72	423	638	889	1,188	1,957
Boatwright Creek	Just upstream of confluence with Boatwright Creek Tributary C	0.44	149	320	484	647	1,051
Boatwright Creek	Approximately 447 feet upstream of Post Road	0.32	144	211	268	328	490
Boatwright Creek	Approximately 783 feet upstream of Nolandwood Lane	0.22	278	394	485	580	826
Boatwright Creek Tributary A	Confluence with Boatwright Creek	0.48	380	563	712	868	1,280
Boatwright Creek Tributary A	Approximately 0.80 miles upstream of Lambert Road	0.32	271	399	503	611	895

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Boatwright Creek Tributary B	Confluence with Boatwright Creek	0.21	189	278	350	425	622
Boatwright Creek Tributary C	Confluence with Boatwright Creek	0.18	145	210	262	316	458
Bomar Branch	At the confluence with Annewakee Creek	0.35	418	*	609	694	909
Bright Star Creek	Confluence with Mobley Creek	0.36	717	972	1,175	1,379	1,880
Bright Star Creek	Confluence with Tributary A to Bright Star Creek	0.20	196	281	350	421	606
Caine Creek	Confluence with Dog River	0.74	421	587	730	873	1,233
Caine Creek	Approximately 0.96 miles upstream of confluence with Dog River	0.46	394	559	694	828	1,167
Caine Creek	Approximately 1.20 miles upstream of confluence with Dog River	0.24	222	312	382	455	644
Camp Branch	At the confluence with Hurricane Creek	0.78	652	*	1,117	1,353	1,939

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Camp Branch	Approximately 1.05 miles upstream of the confluence with Hurricane Creek	0.37	500	*	816	958	1,318
Camp Branch	Approximately 1,100 feet upstream of the confluence of Camp Branch Tributary A	0.20	269	*	435	509	697
Camp Branch Tributary A	At the confluence with Camp Branch	0.08	114	*	189	222	308
Chapel Farms Creek	At the confluence with Aneewakee Creek	2.33	2,058	*	3,225	3,745	5,082
Chapel Farms Creek	At the confluence of Panther Creek	1.13	871	*	1,437	1,692	2,347
Chapel Farms Creek	At Bald Eagle Way	0.76	678	*	1,097	1,276	1,721
Chapel Farms Creek	Just downstream of the confluence of Chapel Farms Creek Tributary A	0.25	264	*	386	440	578
Chapel Farms Creek Tributary A	At the confluence with Chapel Farms Creek	0.23	239	*	377	438	595
Chattahoochee River	Just downstream of the confluence of Sweetwater Creek	2,243	40,420	*	53,817	59,595	73,537

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Chattahoochee River	Just downstream of the confluence oh Aneewakee Creek	2,093	38,145	*	50,688	56,087	60,086
Chattahoochee River	Just downstream of the confluence of the Dog River	1,968	35,369	*	46,873	51,809	63,657
Coursey Creek	At the confluence with Little Bear Creek	0.71	172	*	444	587	919
Coursey Creek	Just above Dorsett Shoals Road	0.44	256	*	417	491	722
Crawfish Creek	Confluence with Dog River	1.26	4,193	5,910	7,360	8,934	13,347
Crawfish Creek	Confluence with Tributary A to Crawfish Creek	1.07	4,163	5,872	7,312	8,877	13,269
Crawfish Creek	Just upstream of confluence with Tributary A to Crawfish Creek	0.72	2,600	3,776	4,792	5,875	8,839
Crawfish Creek	Confluence with Helton Creek	0.53	2,590	3,801	4,833	5,908	8,836
Crawfish Creek	Approximately 75 feet upstream of confluence with Ayer Creek	0.31	2,435	3,592	4,582	5,611	8,416
Crooked Creek	At the confluence with Anneewakee Creek	3.54	1,760	*	2,800	3,296	4,560

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Crooked Creek	Just downstream of Pope Road	3.20	1,776	*	2,848	3,359	4,662
Crooked Creek	Just downstream of the confluence of Crooked Creek Tributary A	2.21	1,790	*	2,983	3,542	4,994
Crooked Creek	Just downstream of the confluence of Crooked Creek Tributary B	1.99	1,305	*	2,196	2,641	3,734
Crooked Creek	Just downstream of the confluence of Crooked Creek Tributary C	1.80	1,186	*	1,992	2,392	3,320
Crooked Creek	Just downstream of the confluence of Crooked Creek Tributary D	1.19	1,161	*	1,900	2,187	2,902
Crooked Creek	Just upstream of Bomar Road	0.66	898	*	1,283	1,452	1,881
Crooked Creek	Approximately 0.77 miles upstream of Bomar Road	0.11	685	*	979	1,107	1,429
Crooked Creek Tributary A	At the confluence with Crooked Creek	0.64	378	*	800	1,001	1,501
Crooked Creek Tributary A	Just upstream of Legion Lake	0.30	475	*	691	786	1,027
Crooked Creek Tributary B	At the confluence with Crooked Creek	0.33	363	*	530	604	792

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Crooked Creek Tributary C	At the confluence with Crooked Creek	0.28	370	*	538	613	802
Crooked Creek Tributary D	At the confluence with Crooked Creek	0.28	185	*	383	460	638
Crooked Creek Tributary D	Approximately 1,700 feet upstream of the confluence with Crooked Creek	0.22	224	*	347	403	542
Crossing Branch	At the confluence with Anneewakee Creek	0.84	342	*	505	577	756
Crossing Branch	Approximately 1,500 feet upstream of Chapel Crossing	0.35	422	*	612	696	908
Dog River	At Dog River Road	4.90	10,108	13,964	17,504	21,559	33,006
Dog River	Approximately 730 feet upstream of confluence with Tributary A to Dog River	4.09	10,074	13,897	17,412	21,430	32,795
Dog River	Confluence with Duncan Creek	3.97	9,693	13,405	16,808	20,683	31,653
Dog River	Confluence with Tributary C to Dog River	3.69	9,592	13,275	16,650	20,495	31,391
Dog River	Confluence with Caine Creek	3.54	9,550	13,217	16,583	20,410	31,289

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Dog River	Confluence with Tributary D to Dog River	3.32	9,536	13,201	16,560	20,390	31,273
Dog River	Just downstream of confluence with Flyblow Creek	3.12	9,479	13,130	16,481	20,298	31,163
Dog River	Confluence with Yellow Rock Creek	2.75	9,466	13,113	16,458	20,273	31,127
Dog River	Confluence with Tributary E to Dog River	2.57	6,662	9,518	11,986	14,712	22,573
Dog River	Approximately 2,450 feet downstream of confluence with Tributary F to Dog River	2.38	6,638	9,487	11,949	14,670	22,542
Dog River	Approximately 375 feet downstream of confluence with Tributary G to Dog River	2.08	6,625	9,480	11,939	14,666	22,577
Dog River	Confluence with Tributary G to Dog River	2.07	6,601	9,449	11,905	14,627	22,553
Dog River	Confluence with Mobley Creek	2.03	6,592	9,443	11,895	14,625	22,562
Dog River	Confluence with Tributary H to Dog River	1.82	7,170	10,184	12,816	15,761	24,253
Dog River	Confluence with Tributary I to Dog River	1.68	6,731	9,565	12,103	14,856	22,686
Dog River	Confluence with Tributary J to Dog River	1.29	6,705	9,533	12,061	14,807	22,642

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Dog River	Confluence with Tributary K to Dog River	1.25	6,901	9,795	12,411	15,233	23,245
Dog River	Approximately 0.41 miles downstream of confluence with Tributary M to Dog River	1.02	6,897	9,803	12,419	15,251	23,309
Dog River	Confluence with Tributary M to Dog River	0.83	6,973	9,999	12,691	15,585	23,970
Dog River	Confluence with Billy Creek	0.76	3,186	5,106	6,825	8,612	13,881
Dog River	Approximately 545 feet downstream of confluence with Tributary N to Dog River	0.75	3,074	5,012	6,699	8,404	13,717
Dog River	Confluence with Tributary N to Dog River	0.74	2,876	4,755	6,330	7,873	12,511
Dog River	Confluence with Tributary O to Dog River	0.72	841	1,201	1,700	2,482	4,184
Dog River	Confluence with Tributary P to Dog River	0.66	1,045	1,347	1,909	2,807	4,601
Dog River	Approximately 0.49 miles upstream of North Helton Road	0.40	1,354	2,019	2,546	3,147	4,813
Dog River	Confluence with Crawfish Creek	0.12	1,068	1,607	2,052	2,531	3,832

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Dorsett Creek	At the confluence with Bear Creek	0.65	658	*	931	1,056	1,380
Dorsett Creek	At Gary Road	0.47	440	*	607	692	910
Downs Creek	Confluence with Flyblow Creek	1.41	890	1,249	1,518	1,748	2,249
Downs Creek	At State Highway 5	1.31	912	1,328	1,645	1,973	2,828
Downs Creek	Approximately 2,100 feet upstream of State Highway 5	1.22	930	1,349	1,664	2,012	2,878
Downs Creek	At Downs Road	1.00	532	775	973	1,177	1,695
Downs Creek	Approximately 2,630 feet downstream of Deer Run Trail	0.55	495	701	865	1,045	1,518
Dorsett Creek	At Lakeshore Drive	0.30	195	*	369	427	587
Dry Creek	At the confluence of Beaver Creek	2.29	571	*	1,124	1,495	2,158
Dry Creek	Approximately 140 feet downstream of the confluence of Tributary A to Dry Creek	1.80	1,610	*	2,396	2,753	3,646
Dry Creek	Approximately 1,050 feet downstream of the confluence of Tributary B to Dry Creek	1.10	1,157	*	1,739	2,014	2,739

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Dry Creek	Approximately 450 feet downstream of Lee Road	0.30	335	*	502	576	761
Dry Creek Tributary A	At the confluence with Dry Creek	0.23	599	*	845	948	1,219
Dry Creek Tributary B	At the confluence with Dry Creek	0.21	150	*	225	259	342
Dry Creek Tributary C	At the confluence with Dry Creek	0.18	278	*	435	505	681
Duncan Creek	Confluence with Dog River	0.69	492	714	881	1,059	1,521
Duncan Creek	Confluence with Tributary B to Duncan Creek	0.34	300	427	527	631	901
Ephesus Creek	Confluence with Dog River	1.46	200	351	485	637	1,055
Ephesus Creek	At Wood Duck Lane	1.36	177	310	433	574	963
Ephesus Creek	Confluence with Tributary A to Ephesus Creek	0.97	768	1,102	1,369	1,646	2,369
Ephesus Creek	Just upstream of confluence with Tributary A to Ephesus Creek	0.85	124	182	229	278	636

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Ephesus Creek	Approximately 670 feet downstream of confluence with Tributary B to Ephesus Creek	0.69	10	29	53	112	579
Ephesus Creek	Approximately 130 feet downstream of confluence with Tributary B to Ephesus Creek	0.57	541	816	1,039	1,276	1,897
Ephesus Creek	Just downstream of confluence with Tributary B to Ephesus Creek	0.40	320	478	606	741	1,097
Ephesus Creek	Approximately 0.41 miles upstream of confluence with Tributary B to Ephesus Creek	0.29	245	361	455	553	810
Farm Branch	At the confluence with Anneewakee Creek	0.57	549	*	809	925	1,252
Farm Branch	Just upstream of the confluence of Farm Branch Tributary A	0.24	546	*	799	911	1,196
Farm Branch Tributary A	At the confluence with Farm Branch	0.27	275	*	405	464	612

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Flyblow Creek	Confluence with Dog River	1.33	1,532	2,269	2,840	3,422	4,938
Flyblow Creek	Confluence with Tributary A to Flyblow Creek	1.32	1,505	2,215	2,773	3,334	4,785
Flyblow Creek	Confluence with Tributary B to Flyblow Creek	1.17	1,412	2,094	2,618	3,148	4,529
Flyblow Creek	Confluence with Tributary C to Flyblow Creek	0.88	1,182	1,755	2,224	2,689	3,944
Flyblow Creek	Approximately 236 feet downstream of State Highway 5	0.78	353	577	768	965	1,732
Flyblow Creek	Approximately 205 feet downstream of State Highway 5	0.69	1,241	1,614	1,935	2,297	3,408
Flyblow Creek	Approximately 727 feet downstream of Tributary D to Flyblow Creek	0.56	977	1,256	1,546	1,926	2,806
Flyblow Creek	Confluence with Tributary E to Flyblow Creek	0.20	493	700	864	1,034	1,476
Flyblow Creek	Confluence with Tributary F to Flyblow Creek	0.19	175	246	302	360	510

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Gordon Creek	At the confluence with Sweetwater Creek	2.72	1,543	*	1,961	2,170	3,930
Gordon Creek	Approximately 330 feet upstream of Thornton Road/State Highway 6	2.57	1,502	*	1,904	2,111	3,891
Gordon Creek	Approximately 0.98 miles upstream of the confluence with Sweetwater Creek	2.28	2,145	*	3,189	3,656	4,905
Gothards Creek	At he confluence of Gothards Creek Tributary 1	21.16	2,325	*	4,454	5,534	8,259
Gothards Creek	At he confluence of Gothards Creek Tributary 8	8.94	1,796	*	3,198	4,188	6,375
Gothards Creek	Approximately 350 feet downstream of the confluence of Gothards Creek Tributary 12	2.41	638	*	1,058	1,235	1,720
Gothards Creek	Approximately 0.95 miles upstream of Cedar Mountain Road	0.33	251	*	452	533	802
Gothards Creek Tributary 1	At the confluence with Gothards Creek	0.21	188	*	311	368	512
Gothards Creek Tributary 2	At the confluence with Gothards Creek	0.23	33	*	46	76	264

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Gothards Creek Tributary 2	Approximately 0.78 miles upstream of the confluence with Gothards Creek	0.18	165	*	285	340	482
Gothards Creek Tributary 2.1	At the confluence with Gothards Creek Tributary 2	0.04	50	*	85	100	140
Gothards Creek Tributary 3	At the confluence with Gothards Creek	0.92	465	*	812	978	1,406
Gothards Creek Tributary 3	At the confluence with Gothards Creek Tributary 3.2	0.44	84	*	144	174	251
Gothards Creek Tributary 3	At North Hickory Lake	0.14	74	*	124	148	207
Gothards Creek Tributary 3.1	At the confluence with Gothards Creek Tributary 3	0.32	103	*	171	203	286
Gothards Creek Tributary 3.2	At the confluence with Gothards Creek Tributary 3	0.23	232	*	382	450	623
Gothards Creek Tributary 4	At the confluence with Gothards Creek	1.00	636	*	1,282	1,607	2,249
Gothards Creek Tributary 4	At the confluence with Gothards Creek Tributary 4.1	0.82	443	*	688	844	1,256

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Gothards Creek Tributary 4	Approximately 0.64 miles upstream of the confluence of Gothards Creek Tributary 4.1	0.17	178	*	292	344	475
Gothards Creek Tributary 4.1	At the confluence with Gothards Creek Tributary 4	0.50	443	*	688	844	1,256
Gothards Creek Tributary 4.1	Approximately 0.57 miles upstream of the confluence of Gothards Creek Tributary 4.1.1	0.17	169	*	284	337	472
Gothards Creek Tributary 4.1.1	At the confluence with Gothards Creek Tributary 4.1	0.21	225	*	322	383	586
Gothards Creek Tributary 4.1.1	Approximately 1,840 feet upstream of the county boundary	0.14	188	*	295	343	464
Gothards Creek Tributary 6	At the confluence with Gothards Creek	0.22	200	*	341	406	572
Gothards Creek Tributary 8	At the confluence with Gothards Creek	1.62	659	*	1,077	1,305	1,968
Gothards Creek Tributary 8	Just upstream of Cedar Mountain Road	1.04	393	*	655	774	1,083
Gothards Creek Tributary 8.1	At the confluence with Gothards Creek Tributary 8	0.38	266	*	424	507	773

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Gothards Creek Tributary 9	At the confluence with Gothards Creek	0.48	347	*	617	742	1,078
Gothards Creek Tributary 10	At the confluence with Gothards Creek	0.36	506	*	353	421	575
Gothards Creek Tributary 11	At the confluence with Gothards Creek	3.12	1,236	*	2,283	2,778	4,092
Gothards Creek Tributary 11	At the confluence with Gothards Creek Tributary 11.3	1.39	1,022	*	1,796	2,130	2,949
Gothards Creek Tributary 11	Approximately 0.94 miles upstream of the confluence of Gothards Creek Tributary 11.3	0.24	254	*	412	483	663
Gothards Creek Tributary 11.1	At the confluence with Gothards Creek Tributary 11	0.24	252	*	422	497	707
Gothards Creek Tributary 11.2	At the confluence with Gothards Creek Tributary 11	0.53	285	*	526	657	996
Gothards Creek Tributary 11.3	At the confluence with Gothards Creek Tributary 11	0.52	537	*	995	1,198	1,682
Gothards Creek Tributary 12	At the confluence with Gothards Creek	0.31	323	*	539	640	890
Gothards Creek Tributary 15	At the confluence with Gothards Creek	0.22	178	*	339	405	470

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Helton Creek	Confluence with Crawfish Creek	1.71	1,281	1,786	2,178	2,586	3,665
Helton Creek	Confluence with Tributary A to Helton Creek	1.39	2,289	3,171	3,872	4,663	6,896
Helton Creek	Approximately 270 feet downstream of confluence with Tributary B to Helton Creek	1.22	2,094	3,051	3,825	4,621	6,839
Helton Creek	At North Helton Road	1.04	2,060	2,997	3,773	4,574	6,772
Helton Creek	Confluence with Tributary C to Helton Creek	0.61	1,961	2,861	3,589	4,361	6,468
Helton Creek	Confluence with Lamplighter Creek	0.49	1,927	2,810	3,525	4,276	6,326
Hickory Creek	At the confluence with Beaver Creek	4.32	2,743	*	4,154	4,745	6,222
Hickory Creek	Approximately 1,830 feet upstream of the confluence of Spivey Branch	2.15	1,445	*	2,166	2,462	3,221
Hickory Creek	Approximately 90 feet downstream of the confluence of Tributary C to Hickory Creek	1.38	864	*	1,274	1,449	1,899

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Hickory Creek	Approximately 1,280 feet upstream of the confluence of Tributary E to Hickory Creek	0.21	280	*	399	451	581
Hickory Creek Tributary A	At the confluence with Hickory Creek	0.22	216	*	308	335	387
Hickory Creek Tributary B	At the confluence with Hickory Creek	0.20	131	*	193	220	287
Hickory Creek Tributary C	At the confluence with Hickory Creek	0.47	262	*	356	399	454
Hickory Creek Tributary D	At the confluence with Hickory Creek	0.26	622	*	913	1,041	1,364
Hickory Creek Tributary D	Approximately 1,250 feet upstream of Lakeland Hills Drive	0.14	376	*	548	624	814
Hickory Creek Tributary E	At the confluence with Hickory Creek	0.18	100	*	155	179	240
Huey Creek	At Maroney Mill Road	2.79	1,337	*	2,366	2,876	4,078
Huey Creek	At Malone Road	1.21	793	*	1,291	1,535	2,163
Huey Creek	At Linecrest Drive	0.48	495	*	812	946	1,300
Huey Creek Tributary 1	At the confluence with Huey Creek	1.21	800	*	1,329	1,573	2,191
Huey Creek Tributary 1.1	At he confluence with Huey Creek Tributary 1	0.28	252	*	425	500	693

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Huey Creek Tributary 2	At the confluence with Huey Creek	0.11	210	*	351	400	389
Huey Creek Tributary 3	At the confluence with Huey Creek	0.22	125	*	216	270	389
Hurricane Creek	Approximately 70 feet downstream of State Highway 5	4.84	2,108	*	3,755	4,631	6,733
Hurricane Creek	Approximately 25 feet upstream of Post Road	3.39	1,918	*	3,615	4,437	6,254
Hurricane Creek	Approximately 80 feet downstream of the confluence with Hurricane Creek	0.73	667	*	1,086	1,323	1,765
Hurricane Creek Tributary A	At the confluence with Hurricane Creek	0.33	324	*	507	588	787
Hurricane Creek Tributary B	At the confluence with Hurricane Creek	0.18	282	*	472	556	775
Hurricane Creek Tributary C	At the confluence with Hurricane Creek	0.27	307	*	517	612	857
Hurricane Creek Tributary D	At the confluence with Hurricane Creek	0.37	318	*	522	614	848
Hurricane Creek Tributary E	At the confluence with Hurricane Creek	0.25	119	*	199	236	330
Keaton Creek	Confluence with Dog River	2.71	2,582	3,968	5,208	6,568	10,400

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Keaton Creek	Approximately 680 feet downstream of Cole Road	2.59	3,412	5,059	6,448	7,936	12,145
Keaton Creek	Just upstream of Shiloh Road	2.19	3,734	5,496	6,918	8,426	12,653
Keaton Creek	Confluence with Keaton Creek Tributary 2	1.83	3,721	5,454	6,862	8,354	12,542
Keaton Creek	Confluence with Keaton Creek Tributary 1	1.75	1,478	2,069	2,471	2,848	3,758
Keaton Creek	Approximately 1,090 feet downstream of confluence with Tributary D to Keaton Creek	1.46	1,489	2,056	2,435	2,787	3,645
Keaton Creek	Just downstream of confluence with Tributary D to Keaton Creek	1.14	1,003	1,444	1,742	2,007	2,706
Keaton Creek	Just upstream of confluence with Nalley Creek	0.92	963	1,390	1,678	1,930	2,595
Keaton Creek	Just upstream of confluence with Tributary E to Keaton Creek	0.80	1,055	1,475	1,701	1,955	2,567

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Keaton Creek	Just upstream of confluence with Tributary F to Keaton Creek	0.74	1,293	1,926	2,430	2,977	4,726
Keaton Creek	Approximately 500 feet upstream of confluence with McCoy Creek	0.65	724	1,022	1,261	1,545	2,377
Keaton Creek	Just upstream of the confluence with Tributary G to Keaton Creek	0.27	624	877	1,083	1,334	1,968
Keaton Creek	Confluence with Tributary H to Keaton Creek	0.27	271	367	422	472	741
Keaton Creek	Just downstream of State Highway 78	0.19	216	313	390	470	679
Keaton Creek Tributary 1	At Poole Road	1.10	2,053	2,767	3,332	3,915	5,437
Keaton Creek Tributary 1	At West Tyson Road	0.70	1,820	2,431	2,914	3,411	4,707
Keaton Creek Tributary 1	Approximately 305 feet downstream of I-20	0.70	992	1,352	1,641	1,939	2,722
Keaton Creek Tributary 1	Approximately 150 feet downstream of I-20	0.30	905	1,224	1,478	1,735	2,403
Keaton Creek Tributary 2	Approximately 1,850 feet downstream of Liberty Road	0.68	2,185	3,348	4,274	5,233	7,729

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Keaton Creek Tributary 2	At Creekstone Court	0.35	1,987	3,016	3,821	4,663	6,861
Knollwood Branch	At the confluence with Anneewakee Creek	1.12	1,446	*	2,094	2,376	3,081
Knollwood Branch	Just downstream of the confluence of Knollwood Branch Tributary A	0.45	797	*	1,136	1,284	1,655
Knollwood Branch	Just upstream of the confluence of Knollwood Branch Tributary A	0.25	409	*	586	663	856
Knollwood Branch Tributary A	At the confluence with Knollwood Branch	0.20	414	*	587	663	851
Kraft Creek	At the confluence with Hurricane Creek	0.11	312	*	528	626	879
Kraft Creek	Approximately 450 feet upstream of Kraft Drive	0.10	131	*	222	263	369
Kraft Creek Tributary A	At the confluence with Kraft Creek	0.14	182	*	310	368	518
Lamplighter Creek	Confluence with Helton Creek	0.65	1,270	1,782	2,209	2,661	3,996
Lamplighter Creek	Confluence with Tributary A to Lamplighter Creek	0.31	1,212	1,724	2,145	2,587	3,822

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Lamplighter Creek	Confluence with Tributary B to Lamplighter Creek	0.18	670	966	1,205	1,455	2,108
Lion Branch	At the confluence with Beaver Creek	2.31	1,366	*	2,159	2,479	3,273
Lion Branch	Approximately 170 feet downstream of East County Line Road	1.74	1,077	*	1,692	1,943	2,558
Lion Branch	Approximately 940 feet downstream of Mack Road	0.54	741	*	1,068	1,201	1,530
Lion Branch Tributary A	At the confluence with Lion Branch	0.21	130	*	197	228	306
Lion Branch Tributary B	At the confluence with Lion Branch	0.20	687	*	1,120	1,282	1,690
Little Anneewakee Creek	At the confluence with Anneewakee Creek	6.52	3,821	*	5,690	6,509	8,521
Little Anneewakee Creek	Just downstream of the confluence of Little Anneewakee Creek Tributary A	6.44	4,135	*	5,956	6,817	8,959
Little Anneewakee Creek	Just downstream of the confluence of Little Anneewakee Creek Tributary B	5.58	3,768	*	5,419	6,159	8,023

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Little Anneewakee Creek	Just downstream of the confluence of Little Anneewakee Creek Tributary C	5.05	3,711	*	5,402	6,143	8,016
Little Anneewakee Creek	Just downstream of confluence of Slater Mill Creek	4.55	3,877	*	5,627	6,398	8,351
Little Anneewakee Creek	Just downstream of the confluence of Little Anneewakee Creek Tributary D	1.91	1,388	*	2,023	2,304	3,017
Little Anneewakee Creek	Just downstream of confluence with Tributary E to Little Anneewakee Creek	1.55	1,270	*	1,839	2,086	2,707
Little Anneewakee Creek	Just upstream of Shawnee Lake at Fairburn Road	0.97	1,087	*	1,474	1,642	2,046
Little Anneewakee Creek	Just upstream of Interstate Highway 20	0.28	510	*	663	724	853
Little Anneewakee Creek Tributary A	At the confluence with Little Anneewakee Creek	0.78	555	*	984	1,178	1,657
Little Anneewakee Creek Tributary B	At the confluence with Little Anneewakee Creek	0.34	1,215	*	1,704	1,915	2,444

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Little Anneewakee Creek Tributary C	At the confluence with Little Anneewakee Creek	0.18	356	*	514	584	758
Little Anneewakee Creek Tributary D	At the confluence with Little Anneewakee Creek	0.31	416	*	607	692	906
Little Anneewakee Creek Tributary E	At the confluence with Little Anneewakee Creek	0.24	377	*	527	592	753
Little Bear Creek	At the confluence with Bear Creek	9.67	2,296	*	3,670	4,344	6,168
Little Bear Creek	Just downstream of the confluence of Baldwin Creek	9.56	3,142	*	4,764	5,534	7,726
Little Bear Creek	Just downstream of the confluence of Little Bear Creek Tributary A	6.67	1,954	*	3,177	3,739	5,722
Little Bear Creek	Just downstream of the confluence of Little Bear Creek Tributary C	5.81	2,012	*	3,338	3,942	5,642
Little Bear Creek	Just downstream of the confluence of Tanyard Branch	5.17	2,168	*	3,650	4,431	6,484
Little Bear Creek	Just downstream of the confluence of Little Bear Creek Tributary D	3.31	1,484	*	2,523	2,975	4,174

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Little Bear Creek	Just downstream of the confluence of Little Bear Creek Tributary E	2.57	1,350	*	2,158	2,528	3,502
Little Bear Creek	Just downstream of the confluence of Little Bear Creek Tributary F	2.18	1,419	*	2,232	2,594	3,543
Little Bear Creek	At Dorsett Shoals Road	1.08	994	*	1,425	1,626	2,141
Little Bear Creek	Just downstream of the confluence of Little Bear Creek Tributary F	0.78	821	*	1,218	1,394	1,843
Little Bear Creek	Just upstream of the confluence of Little Bear Creek Tributary F	0.47	454	*	659	747	970
Little Bear Creek	Approximately 1.05 miles upstream of confluence of Little Bear Creek Tributary F	0.11	147	*	216	246	324
Little Bear Creek Tributary A	At the confluence with Little Bear Creek	0.54	631	*	967	1,122	1,511
Little Bear Creek Tributary A	Just upstream of the confluence of Little Bear Creek Tributary B	0.29	363	*	538	616	817
Little Bear Creek Tributary B	At the confluence with Little Bear Creek Tributary A	0.17	207	*	327	381	517

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Little Bear Creek Tributary C	At the confluence with Little Bear Creek	0.55	714	*	1,066	1,220	1,610
Little Bear Creek Tributary C	Approximately 0.90 miles upstream of the confluence with Little Bear Creek	0.29	426	*	624	711	940
Little Bear Creek Tributary D	At the confluence with Little Bear Creek	0.33	381	*	596	650	861
Little Bear Creek Tributary D	Approximately 0.60 miles upstream of the confluence with Little Bear Creek	0.20	295	*	432	493	645
Little Bear Creek Tributary E	At the confluence with Little Bear Creek	0.83	398	*	720	876	1,308
Little Bear Creek Tributary E	Approximately 0.93 miles upstream of the confluence with Little Bear Creek	0.14	253	*	367	418	545
Little Bear Creek Tributary F	At the confluence with Little Bear Creek	0.31	396	*	590	677	897
Little Bear Creek Tributary F	Approximately 2,055 feet upstream of the confluence with Little Bear Creek	0.21	333	*	480	544	706
Little Hurricane Creek	At the confluence with Hurricane Creek	2.25	1,809	*	3,084	3,664	4,947

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Little Hurricane Creek	Approximately 50 feet upstream of Whitestone Boulevard	1.38	1,244	*	2,035	2,356	3,310
Little Hurricane Creek	Approximately 1,350 feet upstream of Shady Creek Lane	0.35	513	*	801	929	1,256
Little Hurricane Creek Tributary A	At the confluence with Little Hurricane Creek	0.52	345	*	845	1,155	1,786
Margie Branch	At the confluence with Beaver Creek	1.04	434	*	832	1,051	1,792
Margie Branch	Just upstream of Margie Lane	0.51	252	*	642	838	1,417
Margie Branch Tributary A	At the confluence with Margie Branch	0.12	101	*	150	178	242
Mason Creek	Confluence with Mobley Creek	0.69	422	613	751	890	1,328
Mason Creek	Approximately 1,600 feet downstream of confluence with Tributary A to Mason Creek	0.51	373	545	669	794	1,226
Mason Creek	Approximately 600 feet upstream of confluence with Tributary A to Mason Creek	0.31	53	96	133	174	446

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
McCoy Creek	Confluence with Keaton Creek	0.64	553	904	1,201	1,513	2,378
McCoy Creek	At Interstate 20	0.55	563	872	1,161	1,468	2,304
McCoy Creek	Just upstream of confluence with Tributary A to McCoy Creek	0.41	456	674	866	1,068	1,668
McCoy Creek	Approximately 1,460 feet upstream of confluence with Tributary B to McCoy Creek	0.25	237	344	430	520	753
Mill Creek	At the confluence with Gothards Creek	1.73	1,013	*	2,140	2,447	3,765
Mill Creek	At Chicago Aveue	0.20	218	*	357	419	579
Mill Creek Tributary 1	At the confluence with Mill Creek	0.53	506	*	835	979	1,370
Miller Creek	At the confluence with Beaver Creek	0.54	552	*	867	1,009	1,412
Miller Creek Tributary A	At the confluence with Miller Creek	0.09	139	*	244	288	396
Mobley Creek	Confluence with Dog River	3.82	3,163	4,635	5,863	7,156	10,670
Mobley Creek	Confluence with Pool Creek	3.46	2,985	4,372	5,530	6,751	10,052

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Mobley Creek	Confluence with Mobley Creek Tributary 6	3.00	2,866	4,221	5,350	6,535	9,728
Mobley Creek	Approximately 520 feet downstream of confluence with Tributary B to Mobley Creek	2.69	2,900	4,336	5,488	6,691	9,949
Mobley Creek	Confluence with Boatwright Creek	2.58	2,955	4,574	5,759	7,010	10,436
Mobley Creek	Approximately 1,900 feet upstream of confluence with Boatwright Creek	2.40	2,966	4,591	5,780	7,029	10,482
Mobley Creek	Approximately 700 feet downstream of Tributary C to Mobley Creek	2.09	2,856	3,998	4,925	5,939	8,884
Mobley Creek	Confluence with Mobley Creek Tributary 7	1.89	2,915	4,057	4,979	5,978	8,868
Mobley Creek	Confluence with Mason Creek	1.75	2,879	4,008	4,919	5,905	8,750
Mobley Creek	At Mason Creek Road	1.57	2,136	2,647	3,108	3,627	4,861
Mobley Creek	Confluence with Tributary E to Mobley Creek	1.45	2,046	2,490	2,907	3,338	4,215
Mobley Creek	Just upstream of confluence with Tributary E to Mobley Creek	1.33	1,986	2,419	2,821	3,236	4,062

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Mobley Creek	Confluence with Baggett Creek	0.88	1,745	2,110	2,324	2,551	3,039
Mobley Creek	Just upstream of confluence with Baggett Creek	0.83	1,660	1,990	2,180	2,376	2,695
Mobley Creek	Approximately 1,230 feet upstream of East Baggett Road	0.75	1,648	1,971	2,170	2,347	2,687
Mobley Creek	At Interstate 20	0.57	2,513	3,359	4,031	4,692	6,397
Mobley Creek	Just downstream of confluence with Tributary F to Mobley Cree	0.46	2,002	2,675	3,202	3,724	5,056
Mobley Creek	Approximately 340 feet downstream of confluence with Bright Star Creek	0.39	1,941	2,591	3,085	3,582	4,850
Mobley Creek	Just upstream of John West Road	0.32	1,312	1,716	2,023	2,336	3,119
Mobley Creek	Approximately 1,900 feet upstream of John West Road	0.24	1,318	1,722	2,035	2,347	3,135
Mobley Creek	Approximately 0.68 miles upstream of John West Road	0.15	475	630	751	875	1,186
Mobley Creek Tributary 6	Confluence with Mobley Creek	0.77	797	1,167	1,584	2,055	2,639

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Mobley Creek Tributary 6	Confluence with Tributary A to Mobley Creek Tributary 6	0.27	278	443	714	971	1,524
Mobley Creek Tributary 6	Confluence with Tributary B to Mobley Creek Tributary 6	0.24	72	258	413	563	882
Mobley Creek Tributary 6	Approximately 285 feet upstream of confluence with Tributary B to Mobley Creek Tributary 6	0.21	150	305	422	532	779
Mobley Creek Tributary 6	Approximately 1,500 feet upstream of confluence with Tributary B to Mobley Creek Tributary 6	0.16	229	322	396	473	671
Mobley Creek Tributary 7	Confluence with Mobley Creek	0.73	1,534	2,139	2,639	3,189	4,745
Mobley Creek Tributary 7	At Mason Creek Road	0.59	1,290	1,830	2,269	2,721	3,938
Mobley Creek Tributary 7	Confluence with Tributary B to Mobley Creek Tributary 7	0.45	919	1,286	1,578	1,884	2,727
Mobley Creek Tributary 7	Confluence with Tributary C to Mobley Creek Tributary 7	0.24	354	495	607	722	1,018

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Mud Creek	At the confluence with Sweetwater Creek	16.60	2,492	*	3,895	4,477	6,063
Mud Creek	Just upstream of the confluence of Waterfall Branch	13.90	2,243	*	3,512	4,042	5,484
Mud Creek	Just upstream of the confluence of Town Branch	6.00	1,315	*	2,096	2,438	3,353
Mud Creek	At Stockmar Road	4.50	1,098	*	1,759	2,055	2,838
Nalley Creek	Confluence with Keaton Creek	2.46	735	917	1,044	1,165	1,448
Nalley Creek	Just upstream of confluence with Keaton Creek	1.77	583	761	887	1,005	1,214
Nalley Creek	At Interstate 20	1.45	588	795	950	1,106	1,501
Nalley Creek	At Norfolk Southern Railroad	1.06	392	428	459	488	547
Nalley Creek	Approximately 0.87 miles upstream of Norfolk Southern Railroad	0.72	512	735	912	1,098	1,580
Nancy Long Creek	Confluence with Billy Creek	0.18	692	1,018	1,274	1,451	2,143

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Nancy Long Creek	Confluence with Tributary A to Nancy Long Creek	0.72	433	622	773	929	1,336
Nancy Long Creek	Approximately 1.09 miles upstream of confluence with Tributary A to Nancy Long Creek	0.26	229	332	415	501	727
Tributary 1 to Northern Lake	At the mouth of Northern Lake	0.63	*	*	*	507	*
Tributary 2 to Northern Lake	At the confluence with Tributary 1 to Northern Lake	0.54	*	*	*	145	*
Palmer Branch	At the confluence with Sweetwater Creek	1.97	1,643	*	2,739	3,310	5,065
Palmer Branch	Approximately 2,040 feet upstream of the confluence of Palmer Branch Tributary B	0.96	1,140	*	1,916	2,336	3,608
Palmer Branch	Approximately 1,280 feet upstream of the confluence of Palmer Branch Tributary C	0.24	537	*	923	1,099	1,505
Palmer Branch Tributary A	At the confluence with Palmer Branch	0.13	11	*	49	87	225

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Palmer Branch Tributary B	At the confluence with Palmer Branch	0.33	460	*	727	846	1,147
Palmer Branch Tributary C	At the confluence with Palmer Branch	0.30	447	*	715	870	1,252
Panther Creek	At the confluence with Chapel Farms Creek	1.17	1,229	*	1,849	2,126	2,846
Panther Creek	Just downstream of the confluence of Panther Creek Tributary A	0.76	1,106	*	1,642	1,896	2,507
Panther Creek	At Chapel Hill Farm Drive	0.31	505	*	734	835	1,089
Panther Creek Tributary A	At the confluence with Panther Creek	0.24	447	*	657	751	989
Park Creek	At the confluence with Sweetwater Creek	0.70	1,821	*	2,718	3,057	4,351
Park Creek	Approximately 1,120 feet upstream of Skyview Drive	0.31	1,066	*	1,578	1,803	2,368
Park Creek	Approximately 760 feet upstream of Sinyard Road	0.23	734	*	1,080	1,232	1,612
Pine Creek	At the confluence with Sweetwater Creek	0.68	1,585	*	2,445	2,820	3,707

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Pine Creek	Approximately 0.79 miles upstream of the confluence with Sweetwater Creek	0.20	376	*	548	624	814
Pinewood Branch	At the confluence with Park Creek	0.67	676	*	1,050	1,258	1,806
Pinewood Branch	Approximately 620 feet upstream of Paces Drive	0.34	207	*	748	936	1,343
Pinewood Branch Tributary A	At the confluence with Pinewood Branch	0.17	188	*	275	313	408
Pool Creek	Confluence with Mobley Creek	0.88	1,325	1,884	2,302	2736	3838
Pool Creek	Confluence with Tributary A to Pool Creek	0.75	934	1,337	1,629	1934	2709
Pool Creek	Just upstream of confluence with Tributary B to Pool Creek	0.38	404	564	705	867	1329
Pool Creek	Approximately 0.45 miles upstream of Tributary B to Pool Creek	0.25	358	522	659	827	1278
Shell Creek	At the confluenc with Hurricane Creek	0.66	675	*	1,001	1,176	1,670

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Shell Creek	Approximately 2,080 feet upstream of Shell Road	0.26	366	*	593	696	966
Shoals Branch	At the confluence with Sweetwater Creek	1.29	973	*	1,512	1,751	2,316
Shoals Branch	Approximately 100 feet downstream of the confluence of Tributary A to Shoals Branch	1.05	1,445	*	2,204	2,542	3,388
Shoals Branch	Approximately 3,080 feet upstream of the confluence of Tributary B to Shoals Branch	0.29	558	*	874	1,044	1,457
Shoals Branch Tributary A	At the confluence with Shoals Branch	0.19	386	*	591	681	909
Shoals Branch Tributary B	At the confluence with Shoals Branch	0.19	372	*	566	652	867
Simon Creek	At the confluence with Anneewakee Creek	0.82	896	*	1,291	1,465	1,901
Simon Creek	Approximately 1,660 feet upstream of Harvest Ridge Drive	0.25	565	*	800	902	1,156
Slater Mill Creek	At the confluence with Little Anneewakee Creek	2.61	2,660	*	3,762	4,239	5,436

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Slater Mill Creek	Just downstream of the confluence of Slater Mill Creek Tributaries A and B	0.94	2,006	*	2,782	3,101	3,891
Slater Mill Creek	At Village Creek	0.39	715	*	979	1,093	1,373
Slater Mill Creek Tributary A	At the confluence with Slater Mill Creek	0.78	861	*	1,218	1,363	1,721
Slater Mill Creek Tributary B	At the confluence with Slater Mill Creek	0.51	499	*	665	735	911
Spivey Branch	At the confluence with Hickory Creek	1.41	980	*	1,489	1,701	2,232
Spivey Branch	Approximately 160 feet upstream of Country Park Drive	0.91	645	*	961	1,156	1,668
Spivey Branch	Approximately 0.86 miles upstream of the confluence of Spivey Branch Tributary B	0.20	309	*	454	515	667
Spivey Branch Tributary A	At the confluence with Spivey Branch	0.22	145	*	222	256	342
Spivey Branch Tributary B	At the confluence with Spivey Branch	0.31	255	*	702	898	1,349
Sweetwater Creek	At the county boundary	35.75	8,648	*	14,197	17,096	25,310

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Sweetwater Creek	Just downstream of the confluence of Park Creek	4.94	8,412	*	13,810	16,630	24,620
Sweetwater Creek	Approximately 300 feet downstream of Old Alabama Road	0.21	8,333	*	13,681	16,475	24,390
Sweetwater Creek Tributary A	At the confluence with Sweetwater Creek	0.22	344	*	520	598	794
Sweetwater Creek Tributary B	At the confluence with Sweetwater Creek	0.21	323	*	497	574	769
Sweetwater Creek Tributary C	At the confluence with Sweetwater Creek	0.49	876	*	1,371	1,591	2,139
Sweetwater Creek Tributary D	At the confluence with Sweetwater Creek	0.54	757	*	1,165	1,346	1,811
Sweetwater Creek Tributary D	Approximately 1.52 miles upstream of the confluence with Sweetwater Creek	0.18	320	*	495	572	766
Sweetwater Creek Tributary E	At the confluence with Sweetwater Creek	0.45	754	*	1,178	1,365	1,838
Sweetwater Creek Tributary F	At the confluence with Sweetwater Creek	0.25	494	*	744	854	1,131
Sweetwater Creek Tributary G	At the confluence with Sweetwater Creek	0.40	789	*	1,213	1,389	1,836

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Sweetwater Creek Tributary G	Approximately 600 feet upstream of Fenmore Street	0.22	474	*	705	807	1,062
Sweetwater Creek Tributary G	Approximately 835 feet upstream of Trae Lane	0.11	245	*	366	419	553
Sweetwater Creek Tributary H	At the confluence with Sweetwater Creek	1.94	1,388	*	1,980	2,211	2,746
Sweetwater Creek Tributary H	Approximately 340 feet upstream of Thornton Road	0.65	816	*	1,129	1,261	1,634
Sweetwater Creek Tributary I	At the confluence with Sweetwater Creek	0.32	1,156	*	1,686	1,918	2,498
Sweetwater Creek Tributary I	Approximately 230 feet upstream of White Flag Trail	0.08	163	*	242	277	363
Sweetwater Creek Tributary J	At the confluence with Sweetwater Creek	0.36	808	*	1,157	1,334	1,768
Sweetwater Creek Tributary J	Approximately 230 feet upstream of White Flag Trail	0.22	655	*	963	1,114	1,471
Sweetwater Creek Tributary K	At the confluence with Sweetwater Creek	1.19	407	*	670	787	1,110
Sweetwater Creek Tributary K	Approximately 0.64 miles upstream of the confluence with Sweetwater Creek	0.41	342	*	580	697	1,009

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Sweetwater Creek Tributary L	At the confluence with Sweetwater Creek	1.79	644	*	1,070	1,307	1,944
Sweetwater Creek Tributary L	At the confluence of Sweetwater Creek Tributary L.2	1.50	297	*	503	604	960
Sweetwater Creek Tributary L	At Brownsville Road	0.10	260	*	441	525	735
Sweetwater Creek Tributary L.2	At the confluence of Sweetwater Creek Tributary L	0.21	189	*	299	347	479
Sweetwater Creek Tributary L.3	At the confluence of Sweetwater Creek Tributary L	0.17	107	*	203	258	431
Sweetwater Creek Tributary L.3.1	At the confluence of Sweetwater Creek Tributary L.3	0.05	66	*	110	130	181
Unnamed Tributary to Southern Lake	At the mouth of Southern Lake	0.23	*	*	*	258	*
Tanyard Branch	At the confluence with Little Bear Creek	1.54	850	*	1,422	1,809	2,819
Tanyard Branch	Approximately 1.07 miles upstream of Dorsett Shoals Road	1.12	758	*	1,288	1,658	2,528

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tanyard Branch	Just downstream of the confluence of Tanyard Branch Tributary A	0.82	1,211	*	1,752	1,990	2,608
Tanyard Branch	At Devonwood Avenue	0.18	383	*	554	630	821
Tanyard Branch Tributary A	At confluence with Tanyard Branch	0.23	292	*	425	484	633
Tiger Creek	At the confluence with Anneewakee Creek	0.95	886	*	1,372	1,582	2,103
Tiger Creek	Just downstream of Par Drive	0.50	909	*	1,343	1,553	2,046
Tiger Creek	Just downstream of the confluence of Tiger Creek Tributary A	0.35	703	*	1,046	1,221	1,619
Tiger Creek	Just downstream of West Salem Drive	0.28	456	*	688	818	1,094
Tiger Creek Tributary A	At the confluence with Tiger Creek	0.16	212	*	302	341	439
Town Branch	At the confluence of Mud Creek	5.70	1,472	*	2,268	2,616	3,527
Town Branch	At Brewer Road	4.80	1,361	*	2,089	2,409	3,243
Tributary 1 to Northern Lake	At Northern Lake	0.63	*	*	*	507	*
Tributary 2 to Northern Lake	At the confluence with Tributary 1 to Northern Lake	0.54	*	*	*	143	*

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary A to Ayer Creek	Confluence with Ayer Creek	1.04	501	686	830	979	1,360
Tributary A to Baggett Creek	Confluence with Baggett Creek	0.31	202	290	361	435	627
Tributary A to Berea Creek	Confluence with Berea Creek	0.27	361	507	626	749	1,062
Tributary A to Berea Creek	Approximately 1,050 feet upstream of confluence with Berea Creek	0.20	283	399	492	587	834
Tributary A to Billy Creek	Confluence with Billy Creek	0.17	260	355	429	506	701
Tributary A to Bright Star Creek	Confluence with Bright Star Creek	0.22	501	644	752	862	1,135
Tributary A to Crawfish Creek	Confluence with Crawfish Creek	0.54	314	391	442	483	567
Tributary A to Crawfish Creek	Approximately 2,030 feet upstream of Longridge Drive	0.35	343	477	582	692	972
Tributary A to Dog River	Confluence with Dog River	0.33	399	552	672	796	1,113
Tributary A to Downs Creek	Confluence with Downs Creek	0.35	254	370	463	560	813
Tributary A to Ephesus Creek	Confluence with Ephesus Creek	0.17	203	288	355	425	605
Tributary A to Flyblow Creek	Confluence with Flyblow Creek	0.19	166	237	296	356	513

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary A to Helton Creek	Approximately 311 feet upstream of North Helton Road	0.69	289	396	479	565	787
Tributary A to Keaton Creek Tributary 1	Confluence with Keaton Creek Tributary 1	0.37	583	719	824	929	1,187
Tributary A to Lamplighter Creek	Approximately 1,380 feet upstream of confluence with Lamplighter Creek	0.66	210	309	389	473	695
Tributary A to Mason Creek	Confluence with Mason Creek	0.55	213	287	329	371	450
Tributary A to Mason Creek	At Interstate 20	0.20	275	421	541	667	1000
Tributary A to McCoy Creek	Confluence with McCoy Creek	0.34	48	114	177	247	425
Tributary A to McCoy Creek	Approximately 264 feet upstream of confluence with McCoy Creek	0.20	196	285	356	430	624
Tributary A to Mobley Creek	Confluence with Mobley Creek	0.12	260	387	469	548	752
Tributary A to Mobley Creek Tributary 6	Confluence with Mobley Creek Tributary 6	0.21	213	303	374	449	643
Tributary A to Mobley Creek Tributary 7	Confluence with Mobley Creek Tributary 7	0.45	493	696	858	1,027	1,462

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary A to Mobley Creek Tributary 7	Approximately 1,800 feet upstream of confluence with Mobley Creek Tributary 7	0.36	443	622	764	911	1,292
Tributary A to Nalley Creek	Confluence with Nalley Creek	0.71	290	402	491	583	819
Tributary A to Nalley Creek	At Norfolk Southern Road	0.39	26	34	39	111	265
Tributary A to Nancy Long Creek	Approximately 824 feet upstream of Big Oak Drive	0.25	265	370	453	539	761
Tributary A to Pool Creek	Confluent with Pool Creek	0.45	410	577	711	852	1,232
Tributary A to Pool Creek	Approximately 2,020 feet upstream of Gibbs Way	0.23	306	411	493	577	790
Tributary A to Tyson Creek	Jut upstream of Liberty Road	0.46	328	495	631	774	1,151
Tributary A to Tyson Creek	Confluence with Tyson Creek	0.17	155	240	310	385	582
Tributary B to Billy Creek	Confluence with Billy Creek	0.69	344	477	583	692	970
Tributary B to Billy Creek	Approximately 160 feet upstream of confluence with Billy Creek	0.57	14	51	120	215	500
Tributary B to Crawfish Creek	Confluence with Crawfish Creek	0.32	300	434	545	664	981

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary B to Dog River	Confluence with Dog River	0.60	796	1,128	1,393	1,667	2,375
Tributary B to Duncan Creek	Confluence with Duncan Creek	0.26	205	298	372	450	651
Tributary B to Ephesus Creek	Confluence with Ephesus Creek	0.17	158	238	302	370	549
Tributary B to Flyblow Creek	Confluence with Flyblow Creek	0.19	501	678	815	957	1,315
Tributary B to Helton Creek	Confluence with Helton Creek	0.47	381	557	688	829	1,189
Tributary B to Helton Creek	At North Helton Road	0.29	312	450	558	671	963
Tributary B to Helton Creek	Approximately 0.43 miles upstream of North Helton Road	0.23	328	465	574	688	985
Tributary B to Keaton Creek	Approximately 1,743 feet upstream of confluence with Keaton Creek	0.48	298	458	591	732	1,108
Tributary B to Keaton Creek	Confluence with Keaton Creek	0.30	243	376	485	600	907
Tributary B to Keaton Creek Tributary 1	Confluence with Keaton Creek Tributary 1	0.22	217	325	413	505	748
Tributary B to Lamplighter Creek	Confluence with Lamplighter Creek	0.53	569	810	1,009	1,222	1,785

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary B to Lamplighter Creek	Approximately 0.86 miles upstream of confluence with Lamplighter Creek	0.30	478	661	805	953	1,339
Tributary B to McCoy Creek	Confluence with McCoy Creek	0.37	115	195	252	314	577
Tributary B to McCoy Creek	Approximately 642 feet upstream of confluence with McCoy Creek	0.22	210	303	377	453	655
Tributary B to Mobley Creek	Confluence with Mobley Creek	0.30	176	254	317	382	552
Tributary B to Mobley Creek Tributary 6	Confluence with Mobley Creek Tributary 6	0.14	197	280	344	418	599
Tributary B to Mobley Creek Tributary 7	Confluence with Mobley Creek Tributary 7	0.33	420	598	729	864	1,213
Tributary B to Mobley Creek Tributary 7	Approximately 650 feet upstream of Sherwood Drive	0.14	279	382	462	545	758
Tributary B to Pool Creek	Confluence with Pool Creek	0.77	371	526	631	750	1,075
Tributary C to Billy Creek	Confluence with Billy Creek	0.19	167	238	294	353	505
Tributary C to Dog River	Confluence with Dog River	0.37	161	236	298	365	539

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary C to Flyblow Creek	Confluence with Flyblow Creek	0.60	506	705	860	1,033	1,508
Tributary C to Flyblow Creek	Just upstream of confluence with Flyblow Creek	0.50	518	739	917	1,085	1,538
Tributary C to Flyblow Creek	Approximately 0.46 miles upstream of confluence with Flyblow Creek	0.39	431	610	751	909	1,290
Tributary C to Flyblow Creek	Approximately 0.96 miles upstream of confluence with Flyblow Creek	0.17	204	285	351	420	601
Tributary C to Helton Creek	Confluence with Helton Creek	0.34	457	646	797	953	1,356
Tributary C to Keaton Creek	Confluence with Keaton Creek	0.05	119	196	260	328	514
Tributary C to Lamplighter Creek	Douglas County boundary	0.68	219	307	377	449	635
Tributary C to Mobley Creek	Confluence with Mobley Creek	0.20	216	309	387	468	675
Tributary C to Mobley Creek Tributary 7	Confluence with Mobley Creek Tributary 7	0.27	405	562	685	813	1,140
Tributary D to Billy Creek	Confluence with Billy Creek	0.27	199	291	369	451	667

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary D to Dog River	Confluence with Dog River	0.22	199	289	362	438	635
Tributary D to Flyblow Creek	Confluence with Flyblow Creek	0.26	335	470	577	688	972
Tributary D to Keaton Creek	Confluence with Keaton Creek	0.22	228	343	436	533	790
Tributary D to Mobley Creek	Confluence with Mobley Creek	0.42	289	412	510	612	876
Tributary E to Dog River	Confluence with Dog River	0.44	254	427	627	858	1,366
Tributary E to Dog River	Approximately 0.61 miles upstream of confluence with Dog River	0.33	450	610	735	864	1,191
Tributary E to Flyblow Creek	Confluence with Flyblow Creek	0.19	205	286	350	416	585
Tributary E to Keaton Creek	Approximately 2,958 feet upstream of confluence with Keaton Creek	0.34	236	346	433	527	773
Tributary E to Keaton Creek	Approximately 1,200 feet upstream of confluence with Keaton Creek	0.18	270	394	494	599	873
Tributary E to Keaton Creek	Confluence with Keaton Creek	0.12	203	295	369	446	648
Tributary E to Mobley Creek	Confluence with Mobley Creek	0.15	227	323	398	477	867

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary F to Dog River	Confluence with Dog River	0.52	637	871	1,039	1,243	1,718
Tributary F to Dog River	Approximately 0.44 miles upstream of Dukes Road	0.38	512	696	840	988	1,365
Tributary F to Flyblow Creek	Confluence with Flyblow Creek	0.37	326	461	569	680	968
Tributary F to Keaton Creek	Approximately 2,600 feet upstream of confluence with Keaton Creek	0.41	331	493	621	760	1,125
Tributary F to Keaton Creek	Confluence with Keaton Creek	0.23	188	275	346	419	610
Tributary F to Mobley Creek	Confluence with Mobley Creek	0.28	629	849	1,018	1,194	1,641
Tributary F to Mobley Creek	Approximately 1,010 feet upstream of confluence with Mobley Creek	0.07	528	699	838	986	1357
Tributary G to Dog River	Confluence with Dog River	0.21	605	746	845	932	1,094
Tributary G to Keaton Creek	Approximately 450 feet upstream of Richardson Road	0.63	194	290	411	524	779
Tributary G to Keaton Creek	Confluence with Keaton Creek	0.40	291	400	485	573	799
Tributary H to Dog River	Confluence with Dog River	0.35	261	359	436	515	719

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tributary H to Keaton Creek	Confluence with Keaton Creek	0.16	234	316	381	447	614
Tributary I to Dog River	Confluence with Dog River	0.21	338	476	566	672	1,001
Tributary J to Dog River	Confluence with Dog River	0.31	232	323	395	469	660
Tributary K to Dog River	Confluence with Dog River	0.34	360	499	610	723	1,015
Tributary M to Dog River	Confluence with Dog River	0.42	205	286	350	416	585
Tributary M to Dog River	Approximately 0.51 miles upstream of Jenkins Road	0.19	296	420	519	622	888
Tributary N to Dog River	Confluence with Dog River	0.23	439	602	730	862	1,154
Tributary O to Dog River	Confluence with Dog River	0.23	247	338	409	483	675
Tributary P to Dog River	Confluence with Dog River	0.19	239	339	418	499	710
Tributary Q to Dog River	Confluence with Dog River	0.62	163	260	323	383	570
Tributary Q to Dog River	Approximately 550 feet upstream of West Union Hill Road	0.30	248	338	408	480	663

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Tyree Branch	At the confluence with Hurricane Creek	0.31	280	*	462	544	751
Tyree Branch	Approximately 1.10 miles upstream of the confluence with Hurricane Creek	0.10	146	*	241	283	392
Tyson Creek	Confluence with Dog River	0.37	924	1,415	1,815	2,258	3,399
Tyson Creek	At Liberty Road	0.30	1,126	1,565	1,809	2,078	2,743
Tyson Creek	Approximatley 0.55 miles upstream of Liberty Road	0.12	643	998	1,286	1,586	2,394
Unnamed Tributary to Southern Lake	At Southern Lake	0.23	*	*	*	258	*
Waterfall Branch	At the confluence with Mud Creek	2.00	721	*	1,150	1,349	1,865
Yellow Rock Creek	Confluence with Dog River	1.22	521	719	877	1,039	11,451
Yellow Rock Creek	Approximately 500 feet upstream of Kilroy Lane	1.04	230	317	388	461	651
Yellow Rock Creek	Approximately 0.78 miles upstream of Kilroy Lane	0.61	271	359	449	604	883

*Not calculated for this Flood Risk Project

Table 10: Summary of Discharges continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Zion Branch	At the confluence with Hurricane Creek	1.21	575	*	1,145	1,392	1,967
Zion Branch	Approximately 0.68 miles upstream of the confluence with Hurricane Creek	0.54	295	*	615	770	1,074
Zion Branch	Approximately 2,200 feet upstream of State Highway 5	0.19	87	*	143	168	234

*Not calculated for this Flood Risk Project

Figure 7: Frequency Discharge-Drainage Area Curves

[Not applicable to this Flood Risk Project]

Table 11: Summary of Non-Coastal Stillwater Elevations

Flooding Source	Location	Elevations (feet NAVD88)				
		10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Douglas County Watershed Reservoir	Douglas County Unincorporated Areas	*	*	*	760.2	*
Northern Lake	Douglas County Unincorporated Areas	*	*	*	782.6	*
Southern Lake	Douglas County Unincorporated Areas	*	*	*	772.1	*

*Not calculated for this Flood Risk Project

Table 12: Stream Gage Information used to Determine Discharges

Flooding Source	Gage Identifier	Agency that Maintains Gage	Site Name	Drainage Area (Square Miles)	Period of Record	
					From	To
Sweetwater Creek	02337000	USGS	Sweetwater Creek Near Austell, GA	238	07/08/1916	11/12/2009

5.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals. Base flood elevations on the FIRM represent the elevations shown on the Flood Profiles and in the Floodway Data tables in the FIS Report. Rounded whole-foot elevations may be shown on the FIRM in coastal areas, areas of ponding, and other areas with static base flood elevations. These whole-foot elevations may not exactly reflect the elevations derived from the hydraulic analyses. Flood elevations shown on the FIRM are primarily intended for flood insurance rating purposes. For construction and/or floodplain management purposes, users are cautioned to use the flood elevation data presented in this FIS Report in conjunction with the data shown on the FIRM. The hydraulic analyses for this FIS were based on unobstructed flow. The flood elevations shown on

the profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

For streams for which hydraulic analyses were based on cross sections, locations of selected cross sections are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway was computed (Section 6.3), selected cross sections are also listed on Table 24, "Floodway Data."

A summary of the methods used in hydraulic analyses performed for this project is provided in Table 13. Roughness coefficients are provided in Table 14. Roughness coefficients are values representing the frictional resistance water experiences when passing overland or through a channel. They are used in the calculations to determine water surface elevations. Greater detail (including assumptions, analysis, and results) is available in the archived project documentation.

Table 13: Summary of Hydrologic and Hydraulic Analyses

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Alexander Branch	At confluence with Bear Creek	Approximately 0.9 miles upstream of Alexander Parkway	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Alexander Branch Tributary A	At confluence with Alexander Branch	Approximately 1,070 feet upstream of Cougar Trail	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Alexander Branch Tributary B	At confluence with Alexander Branch	Approximately 1,033 feet upstream of confluence with Alexander Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Amber Creek	At confluence with Anneewakee Creek	Approximately 1.76 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Amber Creek Tributary A	At confluence with Amber Creek	Approximately 0.49 miles upstream of confluence with Amber Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Anneewakee Creek	At confluence with Chattahoochee River	Approximately 0.93 miles upstream of Rose Avenue	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary A	At confluence with Anneewakee Creek	Approximately 0.55 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary B	At confluence with Anneewakee Creek	Approximately 0.44 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary C	At confluence with Anneewakee Creek	Approximately 1,397 feet upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary D	At confluence with Anneewakee Creek	Approximately 0.41 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Anneewakee Creek Tributary E	At confluence with Anneewakee Creek	Approximately 0.55 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary F	At confluence with Anneewakee Creek	Approximately 0.76 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary G	At confluence with Anneewakee Creek	Approximately 0.81 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary H	At confluence with Anneewakee Creek	Approximately 0.47 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary I	At confluence with Anneewakee Creek	Approximately 1,979 feet upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydraulc Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Anneewakee Creek Tributary J	At confluence with Anneewakee Creek	Approximately 0.51 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary K	At confluence with Anneewakee Creek	Approximately 1,553 feet upstream of Rose Lake Circle	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Anneewakee Creek Tributary L	At confluence with Anneewakee Creek	Approximately 303 feet upstream of Gurley Road	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Arbor Branch	At confluence with Anneewakee Creek	Approximately 1,478 feet upstream of Stewart Parkway	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Arbor Branch Tributary A	At confluence with Arbor Branch	Approximately 1,150 feet upstream of Interstate 20	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Austin Creek	At confluence with Anneewakee Creek	Approximately 1.49 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Ayer Creek	At confluence with Crawfish Creek	Douglas County, GA boundary	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Baggett Creek	At confluence with Mobley Creek	Approximately 100 feet upstream of Campground Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Baldwin Creek	At confluence with Little Bear Creek	Approximately 3.49 miles upstream of confluence with Little Bear Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Baldwin Creek Tributary A	At confluence with Baldwin Creek	Approximately 0.94 miles upstream of confluence with Baldwin Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Bear Creek	At confluence with Chattahoochee River	Approximtely 2.03 miles upstream of Lakeside Drive	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Bear Creek Tributary A	At confluence with Bear Creek	Approximately 1,190 feet upstream of confluence with Bear Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Bear Creek Tributary B	At confluence with Bear Creek	Approximately 528 feet upstream of Highway 166	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Bear Creek Tributary C	At confluence with Bear Creek	Approximately 380 feet upstream of Fouts Mill Road	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Bear Creek Tributary D	At confluence with Bear Creek	Approximately 409 feet upstream of Fox Glove Court	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Bear Creek Tributary E	At confluence with Bear Creek	Approximately 956 feet upstream of Hickory Bend Drive	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Bear Creek Tributary F	At confluence with Bear Creek	Approximately 406 feet upstream of Yorktown Road	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Bear Creek Tributary G	At confluence with Bear Creek	Approximately 326 feet upstream of Kings Highway	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Beaver Creek	Confluence with Sweetwater Creek	Approximately 520 feet upstream of Patty Court	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Beaver Creek Tributary A	At confluence with Beaver Creek	Approximately 0.52 miles upstream of confluence with Beaver Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Berea Creek	At confluence with Mobley Creek	Approximately 1.04 miles upstream of confluence with Mobley Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Billy Creek	At confluence with Dog River	Approximately 1.2 miles upstream of confluence of Tributary D to Billy Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Boatwright Creek	At confluence with Mobley Creek	Approximately 1,375 feet upstream of Nolandwood Lane	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Boatwright Creek Tributary A	At confluence with Boatwright Creek	Approximately 0.86 miles upstream of confluence with Boatwright Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Boatwright Creek Tributary B	At confluence with Boatwright Creek	Approximately 1,387 feet upstream of confluence with Boatwright Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Boatwright Creek Tributary C	At confluence with Boatwright Creek	Approximately 1,261 feet upstream of confluence with Boathwright Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Bomar Branch	At confluence with Anneewakee Creek	Approximately 1.17 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
BrightStar Creek	At confluence with Mobley Creek	Approximately 0.46 miles upstream of confluence with Tributary A to Bright Star Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Caine Creek	At confluence with Dog River	Approximately 1.25 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Camp Branch	At confluence with Hurricane Creek	Approximately 1,022 feet upstream of confluence of Camp Branch Tributary A	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Camp Branch Tributary A	At confluence with Camp Branch	Approximately 748 feet upstream of confluence with Camp Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Chapel Farms Creek	At confluence with Anneewakee Creek	Approximately 745 feet upstream of confluence of Chapel Farms Creek Tributary A	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Chapel Farms Creek Tributary A	At confluence with Chapel Farms Creek	Approximately 1,020 feet upstream of confluence with Chapel Farms Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Chattahoochee River	Approximately 2.63 miles downstream of confluence with Sweetwater Creek	Approximately 2.65 miles upstream of confluence with Dog River Reservoir	Gage Analysis	HEC-RAS 4.1	May 1, 2011	AE	
Coursey Creek	At confluence with Little Bear Creek	Approximately 1.37 miles upstream of confluence with Little Bear Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Crawfish Creek	At confluence with Dog River	Douglas County, GA boundary	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Crooked Creek	At confluence with Anneewakee Creek	Approximately 1.03 miles upstream of confluence with Crooked Creek Tributary D	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Crooked Creek Tributary A	At confluence with Crooked Creek	Approximately 0.81 miles upstream of confluence with Crooked Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Crooked Creek Tributary B	At confluence with Crooked Creek	Approximately 0.43 miles upstream of confluence with Crooked Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Crooked Creek Tributary C	At confluence with Crooked Creek	Approximately 0.37 miles upstream of confluence with Crooked Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Crooked Creek Tributary D	At confluence with Crooked Creek	Approximately 0.54 miles upstream of confluence with Crooked Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Crossing Branch	At confluence with Anneewakee Creek	Approximately 1.20 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Dog River	At confluence with Chattahoochee River	Approximately 0.72 miles upstream of Liberty Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Dorsett Creek	At confluence with Bear Creek	Approximately 413 feet upstream of Dorsett Shoal Road	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Downs Creek	At confluence with Flyblow Creek	Approximately 1,403 feet upstream of Deer Run Trail	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Dry Creek	At confluence with Beaver Creek	Approximately 0.55 miles upstream of confluence of Dry Creek Tributary C	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Dry Creek Tributary A	At confluence with Dry Creek	Approximately 0.52 miles upstream of confluence with Dry Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Dry Creek Tributary B	At confluence with Dry Creek	Approximately 1,170 feet upstream of confluence with Dry Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Dry Creek Tributary C	At confluence with Dry Creek	Approximately 0.36 miles upstream of confluence with Dry Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydraulc Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Duncan Creek	At confluence with Dog River	Approximately 0.62 miles upstream of Tributary B to Duncan Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Ephesus Creek	At the confluence with Dog River	Approximately 0.52 miles upstream of Tributary B to Ephesus Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Farm Branch	Confluence with Anneewakee Creek	Approximately 0.52 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Farm Branch Tributary A	Confluence with Farm Branch	Approximately 0.73 miles upstream of confluence with Farm Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Flybow Creek	Confluence with Dog River	Approximately 881 feet upstream of Mossybrook Lane	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gordon Creek	Confluence with Sweetwater Creek	Douglas County, GA boundary	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Gothards Creek	Douglas County, GA boundary	Approximately 1.42 miles upstream of confluence of Gothards Creek Tributary 15	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 1	Confluence with Gothards Creek	Approximately 1,038 feet upstream of confluence with Gothards Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 2	Confluence with Gothards Creek	Approximately 0.79 miles upstream of confluence with Gothards Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 2.1	Confluence with Gothards Creek	Confluence with Gothards Creek Tributary 2	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 3	Confluence with Gothards Creek	Approximately 0.71 miles upstream of confluence with Gothards Creek Tributary 3.2	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 3.1	Confluence with Gothards Creek Tributary 3	Approximately 0.71 miles upstream of confluence of Gothards Creek Tributary 3	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Gothards Creek Tributary 3.2	Confluence with Gothards Creek Tributary 3	Approximately 828 feet upstream of confluence with Gothards Creek Tributary 3	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 4	Douglas County, GA boundary	Approximately 1,671 feet upstream of Douglas County, GA boundary	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 4.1	Douglas County, GA boundary	Approximately 2,081 feet upstream of Douglas County, GA boundary	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 4.1.1	Douglas County, GA boundary	Approximately 1,792 feet upstream of Dougals County, GA boundary	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 6	Confluence with Gothards Creek	Approximately 1,901 feet upstream of confluence with Gothards Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 8	Confluence with Gothards Creek	Approximately 0.90 miles upstream of confluence with Gothards Creek Tributary 8.1	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Gothards Creek Tributary 8.1	Confluence with Gothards Creek Tributary 8	Approximately 0.67 miles upstream of confluence with Gothards Creek Tributary 8	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 9	Confluence with Gothards Creek	Approximately 0.47 miles upstream of confluence with Gothards Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 10	Confluence with Gothards Creek	Approximately 0.68 miles upstream of confluence with Gothards Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 11	Confluence with Gothards Creek	Approximately 1.00 mile upstream of confluence of Gothards Creek Tributary 11.3	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 11.1	Confluence with Gothards Creek Tributary 11	Approximately 0.29 miles upstream of confluence with Gothards Creek Tributary 11	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Gothards Creek Tributary 11.2	Confluence with Gothards Creek Tributary 11	Approximately 1.05 miles upstream of confluence with Gothards Creek Tributary 11	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 11.3	Confluence with Gothards Creek Tributary 11	Approximately 0.49 miles upstream of confluence with Gothards Creek Tributary 11	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 12	Confluence with Gothards Creek	Approximately 0.66 miles upstream of confluence with Gothards Creek Tributary 11	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Gothards Creek Tributary 15	Confluence with Gothards Creek	Approximately 0.53 miles upstream of confluence with Gothards Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Helton Creek	Confluence with Crawfish Creek	Douglas County, GA boundary	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Hickory Creek	Confluence with Beaver Creek	Approximately 0.41 miles upstream of confluence of Hickory Creek Tributary E	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Hickory Creek Tributary A	Confluence with Hickory Creek	Approximately 1,926 feet upstream of confluence with Hickory Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hickory Creek Tributary B	Confluence with Hickory Creek	Approximately 0.64 miles upstream of confluence with Hickory Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hickory Creek Tributary C	Confluence with Hickory Creek	Approximately 0.78 miles upstream of confluence with Hickory Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hickory Creek Tributary D	Confluence with Hickory Creek	Approximately 0.46 miles upstream of confluence with Hickory Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hickory Creek Tributary E	Confluence with Hickory Creek	Approximately 0.47 miles upstream of confluence with Hickory Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Huey Creek	Douglas County, GA boundary	Approximately 1,200 feet upstream of Brown Street	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Huey Creek Tributary 1	Confluence with Huey Creek	Approximately 2.18 miles upstream of confluence with Huey Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Huey Creek Tributary 1.1	Confluence with Huey Creek Tributary 1.1	Approximately 1,550 feet upstream of confluence with Huey Creek Tributary 1	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Huey Creek Tributary 2	Confluence with Huey Creek	Approximately 926 feet upstream of confluence with Huey Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Huey Creek Tributary 3	Confluence with Huey Creek	Approximately 1,666 feet upstream of confluence with Huey Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hurricane Creek	Approximately 0.48 miles downstream of confluence with Zion Branch	Approximately 1.06 miles upstream of confluence with Tyree Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hurricane Creek Tributary A	Confluence with Hurricane Creek	Approximately 0.67 miles upstream of confluence with Hurricane Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Hurricane Creek Tributary B	Confluence with Hurricane Creek	Approximately 1,431 feet upstream of confluence with Hurricane Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hurricane Creek Tributary C	Confluence with Hurricane Creek	Approximately 2,026 feet upstream of confluence with Hurricane Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hurricane Creek Tributary D	Confluence with Hurricane Creek	Approximately 0.53 miles upstream of confluence with Hurricane Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Hurricane Creek Tributary E	Confluence with Hurricane Creek	Approximately 1,901 feet upstream of Tweeddale Drive	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Keaton Creek	Confluence with Dog River	Approximately 621 feet upstream of Highway 78	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Keaton Creek Tributary 1	Confluence with Keaton Creek	Just upstream of City of Villa Rica corporate limits	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Keaton Creek Tributary 2	Confluence with Keaton Creek Tributary 1	Douglas County, GA boundary	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Knollwood Branch	Confluence with Annewakee Creek	Approximately 1,913 feet upstream of confluence with Knollwood Branch Tributary A	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Knollwood Branch Tributary A	Confluence with Knollwood Branch	Approximately 1,552 feet upstream of confluence with Knollwood Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Kraft Creek	Confluence with Hurricane Creek	Approximately 1,110 feet upstream of confluence with Hurricane Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Kraft Creek Tributary A	Confluence with Kraft Creek	Approximately 960 feet upstream of confluence with Kraft Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Lamplighter Creek	Confluence with Helton Creek	Approximately 1,694 feet upstream of Tributary B to Lamplighter Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Lion Branch	Confluence with Beaver Creek	Approximately 1.35 miles upstream of confluence of Lion Branch Tributary B	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Lion Branch Tributary A	Confluence with Lion Branch	Approximately 0.55 miles upstream of confluence with Lion Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Lion Branch Tributary B	Confluence with Lion Branch	Approximately 0.41 miles upstream of confluence with Lion Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Anneewakee Creek	Confluence with Anneewakee Creek	Approximately 637 feet upstream of City of Douglasville corporate limits	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Anneewakee Creek Tributary A	Confluence with Little Anneewakee Creek	City of Douglasville corporate limits	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Anneewakee Creek Tributary B	Confluence with Little Anneewakee Creek	Approximately 0.43 miles upstream of confluence with Little Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Little Anneewakee Creek Tributary C	Confluence with Little Anneewakee Creek	Approximately 1,910 feet upstream of confluence with Little Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Anneewakee Creek Tributary D	Confluence with Little Anneewakee Creek	Approximately 108 feet upstream of City of Douglasville corporate limits	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Anneewakee Creek Tributary E	Confluence with Little Anneewakee Creek	Approximately 2,016 feet upstream of confluence with Little Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Bear Creek	Confluence with Bear Creek	Approximately 1.00 mile upstream of confluence with Little Bear Creek Tributary F	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Bear Creek Tributary A	Confluence with Little Bear Creek	Approximately 0.61 miles upstream of confluence with Little Bear Creek Tributary B	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Little Bear Creek Tributary B	Confluence with Little Bear Creek Tributary A	Approximately 1,344 feet upstream of Little Bear Creek Tributary B	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Bear Creek Tributary C	Confluence with Little Bear Creek	Approximately 0.91 miles upstream of confluence with Little Bear Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Bear Creek Tributary D	Confluence with Little Bear Creek	Approximately 0.60 miles upstream of confluence with Little Bear Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Bear Creek Tributary E	Confluence with Little Bear Creek	Approximately 1.42 miles upstream of confluence with Little Bear Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Bear Creek Tributary F	Confluence with Little Bear Creek	Approximately 2,054 feet upstream of confluence with Little Bear Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Little Hurricane Creek	Confluence with Hurricane Creek	Approximately 431 feet upstream of Summer Hill Drive	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydraulc Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Little Hurricane Creek Tributary A	Confluence with Little Hurricane Creek	Approximately 0.68 miles upstream of Gable Drive	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Margie Branch	Confluence with Beaver Creek	Approximately 0.48 miles upstream of Margie Lane	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Margie Branch Tributary A	Confluence with Margie Branch	Approximately 1,839 feet upstream of confluence with Margie Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Mason Creek	Confluence with Moblely Creek	Approximately 1.21 miles upstream of confluence with Moblely Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
McCoy Creek	Confluence with Keaton Creek	Approximately 1,440 feet upstream of Interstate 20	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Mill Creek	Confluence with Gothards Creek	Approximately 1.09 miles upstream of confluence with Mill Creek Tributary 1	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Mill Creek Tributary 1	Confluence with Mill Creek	Approximately 0.83 miles upstream of confluence with Mill Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Miller Creek	Confluence with Beaver Creek	Approximately 610 feet upstream of Miller Street	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Miller Creek Tributary A	Confluence with Miller Creek	Approximately 1,454 feet upstream of confluence with Miller Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Mobley Creek	Confluence with Dog River	Approximately 0.74 miles upstream of John West Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Mobley Creek Tributary 6	Confluence with Mobley Creek	Approximately 0.60 miles upstream of East Union Hill Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Mobley Creek Tributary 7	Confluence with Mobley Creek	Approximately 0.41 miles upstream of confluence with Tributary C to Mobley Creek Tributary 7	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Mud Creek	Approximately 0.95 miles downstream of confluence of Waterfall Branch	Approximtely 2.64 miles upstream of confluence with Town Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Nalley Creek	Confluence with Keaton Creek	Approximately 0.77 miles upstream of Highway 78	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Nancy Long Creek	Confluence with Billy Creek	Approximately 1.77 miles upstream of Liberty Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Palmer Branch	Confluence with Sweetwater Creek	Approximately 0.55 miles upstream of confluence with Palmer Branch Tributary C	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Palmer Branch Tributary A	Confluence with Palmer Branch	Approximately 0.55 miles upstream of confluence with Palmer Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Palmer Branch Tributary B	Confluence with Palmer Branch	Approximately 0.54 miles upstream of confluence with Palmer Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Palmer Branch Tributary C	Confluence with Palmer Branch	Approximately 0.46 miles upstream of confluence with Palmer Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Panther Creek	Confluence with Chapel Farms Creek	Approximately 0.69 miles upstream of confluence of Panther Creek Tributary A	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Panther Creek Tributary A	Confluence with Panther Creek	Approximately 1,317 feet upstream of confluence with Panther Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Park Creek	Confluence with Sweetwater Creek	Approximately 1.42 miles upstream of confluence with Pinewood Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Pine Creek	Confluence with Sweetwater Creek	Douglas County, GA boundary	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Pinewood Branch	Confluence with Park Creek	Approximately 1,610 feet upstream of Lakeside Drive	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Pinewood Branch Tributary A	Confluence with Pinewood Branch	Approximately 0.59 miles upstream of confluence with Pinewood Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Pool Creek	Confluence with Mobley Creek	Approximately 0.95 miles upstream of Pool Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	Formerly Mobley Creek Tributary 5, renamed Pool Creek in this FIS revision
Shell Creek	Confluence with Hurricane Creek	Approximately 0.82 miles upstream of Shell Road	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Shoals Branch	Confluence with Sweetwater Creek	Approximately 1.17 milse upstream of confluence of Shoals Branch Tributary B	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Shoals Branch Tributary A	Confluence with Shoals Branch	Approximately 0.44 miles upstream of confluence with Shoals Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Shoals Branch Tributary B	Confluence with Shoals Branch	Approximately 0.21 miles upstream of confluence with Shoals Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Simon Creek	Confluence with Anneewakee Creek	Approximately 1.55 miles upstream of confluence with Anneewakee Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Slater Mill Creek	Confluence with Little Anneewakee Creek	Approximately 0.46 miles upstream of Slater Mill Creek Tributary A	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Slater Mill Creek Tributary A	Confluence with Slater Mill Creek	Approximately 1.58 miles upstream of confluence with Slater Mill Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Slater Mill Creek Tributary B	Confluence with Slater Mill Creek	Approximately 0.71 miles upstream of confluence with Slater Mill Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Spivey Branch	Confluence with Hickory Creek	Approximately 0.83 miles upstream of confluence of Spivey Branch Tributary B	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Spivey Branch Tributary A	Confluence with Spivey Branch	Approximately 0.76 miles upstream of confluence with Spivey Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Spivey Branch Tributary B	Confluence with Spivey Branch	Approximately 2,003 feet upstream of confluence with Spivey Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek	Confluence with Chattahoochee River	Douglas County, GA boundary	Gage Analysis	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary A	Confluence with Sweetwater Creek	Approximately 0.63 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary B	Confluence with Sweetwater Creek	Approximately 0.47 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary C	Confluence with Sweetwater Creek	Approximately 0.77 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Sweetwater Creek Tributary D	Confluence with Sweetwater Creek	Approximately 1.48 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary E	Confluence with Sweetwater Creek	Approximately 0.88 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary F	Confluence with Sweetwater Creek	Approximately 0.58 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary G	Confluence with Sweetwater Creek	Approximately 0.84 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary H	Confluence with Sweetwater Creek	Approximately 0.94 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Sweetwater Creek Tributary I	Confluence with Sweetwater Creek	Approximately 0.58 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary J	Confluence with Sweetwater Creek	Approximately 1.02 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary K	Confluence with Sweetwater Creek	Approximately 1.04 miles upstream of confluence with Sweetwater Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary L	Douglas County, GA boundary	Approximately 1.50 miles upstream of confluence with Sweetwater Creek Tributary L.3	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary L.2	Confluence with Sweetwater Creek Tributary L	Approximately 0.52 miles upstream of confluence with Sweetwater Creek Tributary L	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Sweetwater Creek Tributary L.3	Confluence with Sweetwater Creek Tributary L	Approximately 2,538 feet upstream of confluence with Sweetwater Creek Tributary L	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Sweetwater Creek Tributary L.3.1	Confluence with Sweetwater Creek Tributary L.3	Approximately 1,635 feet upstream of confluence with Sweetwater Creek Tributary L.3	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Tanyard Branch	Confluence with Little Bear Creek	Approximately 1.04 miles upstream of confluence with Tanyard Branch Tributary A	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Tanyard Branch Tributary A	Confluence with Tanyard Branch	Approximately 0.50 miles upstream of confluence with Tanyard Branch	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Tiger Creek	Confluence with Anneewakee Creek	Approximately 646 feet upstream of Rose Avenue	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 13: Summary of Hydrologic and Hydraulc Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tiger Creek Tributary A	Confluence with Tiger Creek	Approximately 891 feet upstream of confluence with Tiger Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Town Branch	Confluence with Mud Creek	Approximately 3.06 miles upstream of confluence with Mud Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Tributary 1 to Northern Lake	At Northern Lake	Approximately 0.93 miles upstream of Northern Lake	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Tributary 2 to Northern Lake	Confluence with Tributary 1 to Northern Lake	Approximately 0.32 mile upstream of confluence with Tributary 1 to Northern Lake	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Tributary A to Ayer Creek	Confluence with Ayer Creek	Douglas County, GA boundary	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Baggett Creek	Confluence with Baggett Creek	Approximately 674 feet upstream of confluence with Baggett Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary A to Berea Creek	Confluence with Berea Creek	Approximatey 0.45 miles upstream of confluence with Berea Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Billy Creek	Confluence with Billy Creek	Approximately 1,562 feet upstream of confluence with Billy Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Bright Star Creek	Confluence with Bright Star Creek	Approximately 1,891 feet upstream of confluence with Bright Star Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Crawfish Creek	Confluence with Crawfish Creek	Approximately 0.42 miles upstream of Longridge Drive	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Dog River	Confluence with Dog River	Approximately 0.74 milse upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Downs Creek	Confluence with Downs Creek	Approximately 0.45 miles upstream of confluence with Downs Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary A to Ephesus Creek	Confluence with Ephesus Creek	Approximately 920 feet upstream of confluence with Ephesus Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Flyblow Creek	Confluence with Flyblow Creek	Approximately 1,448 feet upstream of confluence with Flyblow Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Helton Creek	Confluence with Helton Creek	Approximately 337 feet upstream of North Helton Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Keaton Creek Tributary 1	Confluence with Keaton Creek Tributary 1	Approximately 411 feet upstream of confluence with Keaton Creek Tributary 1	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Lamplighter Creek	Confluence with Lamplighter Creek	Approximately 1,416 feet upstream of confluence with Lamplighter Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Mason Creek	Confluence with Mason Creek	Approximately 0.39 miles upstream of Interstate 20	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary A to McCoy Creek	Confluence with McCoy Creek	Approximately 1,628 feet upstream of confluence with McCoy Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Mobley Creek	Confluence with Mobley Creek	Approximately 0.63 miles upstream of confluence with Mobley Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Mobley Creek Tributary 6	Confluence with Mobley Creek Tributary 6	Approximately 1,152 feet upstream of Mobley Creek Tributary 6	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Mobley Creek Tributary 7	Confluence with Mobley Creek Tributary 7	Approximately 0.71 miles upstream of Mobley Creek Tributary 7	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Nalley Creek	Confluence with Nalley Creek	Approximately 787 feet upstream of Tyson Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Nancy Long Creek	Confluence with Nancy Long Creek	Approximately 820 feet upstream of Big Oak Drive	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary A to Pool Creek	Confluence with Pool Creek	Approximately 0.69 miles upstream of Gibbs Way	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary A to Tyson Creek	Confluence with Tyson Creek	Approximately 0.66 miles upstream of Liberty Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Billy Creek	Confluence with Billy Creek	Approximately 0.48 miles upstream of confluence with Billy Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Crawfish Creek	Confluence with Crawfish Creek	Approximately 0.43 miles upstream of confluence with Crawfish Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Dog River	Confluence with Dog River	Approximately 0.69 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Duncan Creek	Confluence with Duncan Creek	Approximately 0.55 miles upstream of confluence with Duncan Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Ephesus Creek	Confluence with Ephesus Creek	Approximately 737 feet upstream of confluence with Ephesus Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydraulc Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary B to Flyblow Creek	Confluence with Flyblow Creek	Approximately 0.51 miles upstream of confluence with Flyblow Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Helton Creek	Confluence with Helton Creek	Approximately 0.42 miles upstream of North Helton Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Keaton Creek	Confluence with Keaton Creek	Approximately 0.78 miles upstream of confluence with Keaton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Keaton Creek Tributary 1	Confluence with Keaton Creek Tributary 1	Approximately 422 feet upstream of confluence with Keaton Creek Tributary 1	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Lamplighter Creek	Confluence with Lamplighter Creek	Approximately 0.86 miles upstream of confluence with Lamplighter Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to McCoy Creek	Confluence with McCoy Creek	Approximately 1,888 feet upstream of confluence with McCoy Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary B to Mobley Creek	Confluence with Mobley Creek	Approximtely 450 feet upstream of Pool Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Mobley Creek Tributary 6	Confluence with Mobley Creek Tributary 6	Approximately 715 feet upstream of confluence with Mobley Creek Tributary 6	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Mobley Creek Tributary 7	Confluence with Mobley Creek Tributary 7	Approximately 100 feet upstream of Briarcliff Drive	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary B to Pool Creek	Confluence with Pool Creek	Approximately 2,837 feet upstream of confluence with Pool Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary C to Billy Creek	Confluence with Billy Creek	Approximately 1,870 feet upstream of confluence with Billy Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary C to Dog River	Confluence with Dog River	Approximately 0.47 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary C to Flyblow Creek	Confluence with Flyblow Creek	Approximately 1.20 mile upstream of confluence with Flyblow Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary C to Helton Creek	Confluence with Helton Creek	Approximately 1,185 feet upstream of confluence with Helton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary C to Keaton Creek	Confluence with Keaton Creek	Approximately 1,393 feet upstream of confluence with Keaton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary C to Lamplighter Creek	Douglas County, GA boundary	Approximately 838 feet upstream of Douglas County, GA boundary	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary C to Mobley Creek	Confluence with Mobley Creek	Approximately 1,227 feet upstream of confluence with Mobley Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary C to Mobley Creek Tributary 7	Confluence with Mobley Creek Tributary 7	Approximately 525 feet upstream of Rainbow Drive	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary D to Billy Creek	Confluence with Billy Creek	Approximately 0.53 miles upstream of confluence with Billy Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary D to Dog River	Confluence with Dog River	Approximately 1,428 feet upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary D to Flyblow Creek	Confluence with Flyblow Creek	Approximately 420 feet upstream of Ansbury Parkway	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary D to Keaton Creek	Confluence with Keaton Creek	Approximately 0.45 miles upstream of confluence with Keaton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary D to Mobley Creek	Confluence with Mobley Creek	Approximately 1,640 feet upstream of confluence with Mobley Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary E to Dog River	Confluence with Dog River	Approximately 0.69 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary E to Flyblow Creek	Confluence with Flyblow Creek	Approximately 1,685 feet upstream of confluence with Flyblow Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary E to Keaton Creek	Confluence with Keaton Creek	Approximately 0.70 miles upstream of confluence with Keaton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary E to Mobley Creek	Confluence with Mobley Creek	Approximately 674 feet upstream of South Baggett Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary F to Dog River	Confluence with Dog River	Approximately 0.45 miles upstream of Dukes Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary F to Flyblow Creek	Confluence with Flyblow Creek	Approximately 0.59 miles upstream of confluence with Flyblow Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary F to Keaton Creek	Confluence with Keaton Creek	Approximately 0.59 miles upstream of confluence with Keaton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydraulc Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary F to Mobley Creek	Confluence with Mobley Creek	Approximately 0.50 miles upstream of confluence with Mobley Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary G to Dog River	Confluence with Dog River	Approximately 0.27 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary G to Keaton Creek	Confluence with Keaton Creek	Approximately 1,898 feet upstream of confluence with Keaton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary H to Dog River	Confluence with Dog River	Approximately 0.56 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary H to Keaton Creek	Confluence with Keaton Creek	Approximately 645 feet upstream of confluence with Keaton Creek	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary I to Dog River	Confluence with Dog River	Approximately 1,769 feet upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydraulc Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tributary J to Dog River	Confluence with Dog River	Just downstream of Trout Creek Drive	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary K to Dog River	Confluence with Dog River	Approximately 0.35 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary M to Dog River	Confluence with Dog River	Approximately 0.55 miles upstream of Jenkins Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary N to Dog River	Confluence with Dog River	Approximately 0.43 miles upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary O to Dog River	Confluence with Dog River	Approximately 1,106 feet upstream of confluence with Dog River	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary P to Dog River	Confluence with Dog River	Approximately 1,658 feet upstream of Watkins Mill Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Tributary Q to Dog River	Confluence with Dog River	Approximately 595 feet upstream of West Union Hill Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	

Table 13: Summary of Hydrologic and Hydrualic Analyses continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tyree Branch	Confluence with Hurricane Creek	Approximately 1.10 miles upstream of confluence with Hurricane Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Tyson Creek	Confluence with Dog River	Approximately 0.75 miles upstream of Liberty Road	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Waterfall Branch	Confluence with Mud Creek	Approximately 1.03 miles upstream of confluence with Mud Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	
Yellow Rock Creek	Confluence with Dog River	Approximately 402 feet upstream of Pamela Drive	HEC-HMS 3.5	HEC-RAS 4.1	December 1, 2012	AE	
Zion Branch	Confluence with Hurricane Creek	Approximately 1.51 miles upstream of confluence with Hurricane Creek	HEC-HMS 3.4	HEC-RAS 4.1	May 1, 2011	AE	

Table 14: Roughness Coefficients

Flooding Source	Channel "n"	Overbank "n"
Alexander Branch	0.035-0.050	0.035-0.110
Alexander Branch Tributary A	0.035-0.050	0.060-0.110
Alexander Branch Tributary	0.035-0.050	0.035-0.110
Amber Creek	0.010-0.045	0.050-0.110
Amber Creek Tributary A	0.045	0.110
Anneewakee Creek	0.010-0.070	0.010-0.110
Anneewakee Creek Tributary A	0.010-0.045	0.110
Anneewakee Creek Tributary B	0.045	0.110
Anneewakee Creek Tributary C	0.045	0.050-0.110
Anneewakee Creek Tributary D	0.040	0.035-0.110
Anneewakee Creek Tributary E	0.035	0.110
Anneewakee Creek Tributary F	0.010-0.100	0.035-0.110
Anneewakee Creek Tributary G	0.010-0.100	0.010-0.110
Anneewakee Creek Tributary H	0.045	0.035-0.110
Anneewakee Creek Tributary I	0.010-0.035	0.050-0.110
Anneewakee Creek Tributary J	0.045	0.010-0.110
Anneewakee Creek Tributary K	0.010-0.045	0.010-0.110
Anneewakee Creek Tributary L	0.045	0.045-0.110
Arbor Branch	0.010-0.110	0.035-0.110
Arbor Branch Tributary A	0.035-0.070	0.040-0.110
Austin Creek	0.010-0.045	0.010-0.110
Ayer Creek	0.035	0.035-0.110
Baggett Creek	0.010-0.04	0.035-0.110
Baldwin Creek	0.035-0.045	0.035-0.110
Baldwin Creek Tributary A	0.035-0.040	0.060-0.110
Bear Creek	0.030-0.070	0.035-0.110
Bear Creek Tributary A	0.030-0.070	0.110-0.110
Bear Creek Tributary B	0.030-0.070	0.035-0.110
Bear Creek Tributary C	0.030-0.070	0.035-0.110
Bear Creek Tributary D	0.030-0.070	0.060-0.110
Bear Creek Tributary E	0.030-0.070	0.035-0.110
Bear Creek Tributary F	0.030-0.070	0.035-0.110

Table 14: Roughness Coefficients continued

Flooding Source	Channel "n"	Overbank "n"
Bear Creek Tributary G	0.030-0.070	0.035-0.110
Beaver Creek	0.010-0.100	0.035-0.110
Beaver Creek Tributary A	0.010-0.100	0.035-0.110
Berea Creek	0.035-0.040	0.035-0.110
Billy Creek	0.01-0.045	0.035-0.110
Boatwright Creek	0.010-0.045	0.035-0.110
Boatwright Creek Tributary A	0.03-0.035	0.035-0.110
Boatwright Creek Tributary B	0.04	0.035-0.110
Boatwright Creek Tributary C	0.035	0.11
Bomar Branch	0.035-0.070	0.010-0.110
BrightStar Creek	0.035-0.110	0.035-0.110
Caine Creek	0.04	0.11
Camp Branch	0.045	0.035-0.110
Camp Branch Tributary A	0.045	0.110
Chapel Farms Creek	0.035-0.050	0.050-0.110
Chapel Farms Creek Tributary A	0.045	0.050-0.110
Chattahoochee River	0.028-0.055	0.070-0.188
Coursey Creek	0.035-0.045	0.035-0.110
Crawfish Creek	0.035-0.045	0.035-0.110
Crooked Creek	0.010-0.110	0.010-0.110
Crooked Creek Tributary A	0.010-0.035	0.110
Crooked Creek Tributary B	0.045	0.050-0.110
Crooked Creek Tributary C	0.045-0.050	0.045-0.110
Crooked Creek Tributary D	0.010-0.110	0.010-0.110
Crossing Branch	0.010-0.050	0.035-0.110
Dog River	0.070-0.080	0.030-0.050
Dog River	0.01-0.040	0.035-0.110
Dorsett Creek	0.030-0.100	0.035-0.110
Downs Creek	0.010-0.035	0.035-0.110
Dry Creek	0.010-0.045	0.035-0.110
Dry Creek Tributary A	0.035-0.040	0.060-0.110
Dry Creek Tributary B	0.0350	0.050-0.110
Dry Creek Tributary C	0.0350	0.035-0.110
Duncan Creek	0.01-0.040	0.035-0.110

Table 14: Roughness Coefficients continued

Flooding Source	Channel "n"	Overbank "n"
Ephesus Creek	0.040-0.110	0.035-0.110
Farm Branch	0.035-0.045	0.050-0.110
Farm Branch Tributary A	0.010-0.110	0.035-0.110
Flyblow Creek	0.010-0.035	0.013-0.110
Gordon Creek	0.035-0.040	0.035-0.110
Gothards Creek	0.030-0.070	0.045-0.100
Gothards Creek Tributary 1	0.070	0.050-0.100
Gothards Creek Tributary 2	0.250-0.070	0.035-0.100
Gothards Creek Tributary 2.1	0.025-0.070	0.070-0.100
Gothards Creek Tributary 3	0.025-0.070	0.040-0.100
Gothards Creek Tributary 3.1	0.025-0.070	0.050-0.100
Gothards Creek Tributary 3.2	0.050-0.070	0.090-0.100
Gothards Creek Tributary 4	0.025-0.070	0.040-0.100
Gothards Creek Tributary 4.1	0.045-0.070	0.070-0.100
Gothards Creek Tributary 4.1.1	0.050-0.070	0.100
Gothards Creek Tributary 6	0.070	0.080-0.100
Gothards Creek Tributary 8	0.040-0.070	0.060-0.100
Gothards Creek Tributary 8.1	0.025-0.070	0.035-0.100
Gothards Creek Tributary 9	0.070	0.100
Gothards Creek Tributary 10	0.070	0.080-0.100
Gothards Creek Tributary 11	0.035-0.070	0.052-0.100
Gothards Creek Tributary 11.1	0.040-0.070	0.050-0.100
Gothards Creek Tributary 11.2	0.025-0.250	0.060-0.100
Gothards Creek Tributary 11.3	0.025-0.080	0.050-0.100
Gothards Creek Tributary 12	0.070	0.100
Gothards Creek Tributary 15	0.070	0.100
Helton Creek	0.035-0.110	0.035-0.110
Hickory Creek	0.04-0.110	0.010-0.110
Huey Creek	0.035-0.070	0.040-0.100
Huey Creek Tributary 1	0.050-0.070	0.080-0.100
Huey Creek Tributary 1.1	0.070	0.100
Huey Creek Tributary 2	0.050-0.070	0.080-0.100
Huey Creek Tributary 2.1	0.050-0.070	0.070-0.100
Hurricane Creek	0.010-0.050	0.013-0.110

Table 14: Roughness Coefficients continued

Flooding Source	Channel "n"	Overbank "n"
Hurricane Creek Tributary A	0.0350	0.035-0.110
Hurricane Creek Tributary B	0.0350	0.110
Hurricane Creek Tributary C	0.0350	0.10-0.110
Hurricane Creek Tributary D	0.035-0.045	0.06-0.110
Hurricane Creek Tributary E	0.0350	0.013-0.110
Keaton Creek	0.035-0.040	0.035-0.110
Keaton Creek Tributary 1	0.035	0.035-0.110
Keaton Creek Tributary 2	0.04	0.035-0.110
Knollwood Branch Tributary A	0.045	0.060-0.110
Kraft Creek	0.045	0.013-0.110
Kraft Creek Tributary A	0.0350	0.110
Lamplighter Creek	0.035	0.035-0.110
Lion Branch	0.01-0.450	0.035-0.110
Lion Branch Tributary A	0.010-0.045	0.050-0.110
Lion Branch Tributary B	0.035-0.045	0.035-0.110
Little Hurricane Creek	0.010-0.110	0.013-0.110
Little Anneewakee Creek	0.010-0.045	0.010-0.110
Little Anneewakee Creek Tributary A	0.010-0.050	0.040-0.110
Little Anneewakee Creek Tributary B	0.045	0.050-0.110
Little Anneewakee Creek Tributary C	0.045	0.050-0.110
Little Anneewakee Creek Tributary D	0.045-0.050	0.040-0.110
Little Anneewakee Creek Tributary E	0.045	0.040-0.110
Little Bear Creek	0.035-0.050	0.035-0.110
Little Bear Creek Tributary A	0.035-0.050	0.035-0.110
Little Bear Creek Tributary B	0.035-0.050	0.050-0.110
Little Bear Creek Tributary C	0.035-0.050	0.035-0.110
Little Bear Creek Tributary D	0.035-0.050	0.110-0.110
Little Bear Creek Tributary E	0.035-0.050	0.035-0.110
Little Bear Creek Tributary F	0.035-0.050	0.060-0.110
Little Hurricane Creek	0.010-0.110	0.013-0.110
Little Hurricane Creek Tributary A	0.035-0.045	0.050-0.110
Margie Branch	0.010-0.100	0.035-0.110
Margie Branch Tributary A	0.045	0.050-0.110
Mason Creek	0.01-0.035	0.06-0.110

Table 14: Roughness Coefficients continued

Flooding Source	Channel "n"	Overbank "n"
McCoy Creek	0.035	0.035-0.110
Mill Creek	0.025-0.070	0.070-0.100
Mill Creek Tributary 1	0.050-0.070	0.050-0.100
Miller Creek	0.035-0.040	0.060-0.110
Miller Creek Tributary A	0.035-0.045	0.020-0.110
Mobley Creek	0.010-0.110	0.035-0.110
Mobley Creek Tributary 6	0.010-0.110	0.035-0.110
Mobley Creek Tributary 7	0.03-0.035	0.03-0.110
Mud Creek	0.045-0.080	0.080-0.170
Nalley Creek	0.035-0.110	0.035-0.110
Nancy Long Creek	0.01-0.050	0.035-0.110
Palmer Branch	0.040-0.045	0.050-0.110
Palmer Branch Tributary A	0.010-0.045	0.040-0.110
Palmer Branch Tributary B	0.045	0.110
Palmer Branch Tributary C	0.045	0.050-0.110
Panther Creek	0.035-0.070	0.010-0.110
Panther Creek Tributary A	0.045	0.110
Park Creek	0.035-0.060	0.035-0.110
Pine Creek	0.045-0.080	0.080-0.170
Pinewood Branch	0.010-0.045	0.035-0.110
Pinewood Branch Tributary A	0.010-0.045	0.035-0.110
Pool Creek	0.035-0.040	0.010-0.110
Shell Creek	0.045	0.013-0.110
Shoals Branch	0.030-0.035	0.010-0.110
Shoals Branch Tributary A	0.030	0.035-0.110
Shoals Branch Tributary B	0.030-0.035	0.035-0.110
Simon Creek	0.035-0.045	0.035-0.110
Slater Mill Creek	0.035-0.050	0.040-0.110
Slater Mill Creek Tributary A	0.040-0.050	0.010-0.110
Slater Mill Creek Tributary B	0.035	0.040-0.110
Spivey Branch	0.035-0.040	0.035-0.110
Spivey Branch Tributary A	0.010-0.045	0.050-0.110
Spivey Branch Tributary B	0.01-0.0450	0.035-0.110
Sweetwater Creek	0.050-0.055	0.040-0.160

Table 14: Roughness Coefficients continued

Flooding Source	Channel "n"	Overbank "n"
Sweetwater Creek Tributary A	0.030-0.110	0.035-0.110
Sweetwater Creek Tributary B	0.035-0.100	0.110
Sweetwater Creek Tributary C	0.035	0.035-0.110
Sweetwater Creek Tributary D	0.035-0.100	0.100-0.110
Sweetwater Creek Tributary E	0.035	0.110
Sweetwater Creek Tributary F	0.045	0.05-0.110
Sweetwater Creek Tributary G	0.035-0.050	0.04-0.110
Sweetwater Creek Tributary H	0.035-0.100	0.01-0.110
Sweetwater Creek Tributary I	0.045-0.050	0.05-0.110
Sweetwater Creek Tributary J	0.013-0.040	0.035-0.110
Sweetwater Creek Tributary K	0.01-0.100	0.035-0.110
Sweetwater Creek Tributary L	0.025-0.070	0.035-0.120
Sweetwater Creek Tributary L.2	0.050-0.070	0.070-0.100
Sweetwater Creek Tributary L.3	0.025-0.080	0.050-0.100
Sweetwater Creek Tributary L.3.1	0.025-0.08	0.100
Tanyard Branch	0.035-0.050	0.035-0.110
Tanyard Branch Tributary A	0.035-0.050	0.050-0.110
Tiger Creek	0.010-0.045	0.010-0.110
Tiger Creek Tributary A	0.050	0.035-0.110
Town Branch	0.045-0.080	0.080-0.170
Tributary 1 to Northern Lake	*	*
Tributary 2 to Northern Lake	*	*
Tributary A to Ayer Creek	0.035	0.035-0.110
Tributary A to Baggett Creek	0.035	0.11
Tributary A to BrightStar Creek	0.035	0.11
Tributary A to Berea Creek	0.035	0.035-0.110
Tributary A to Billy Creek	0.035-0.040	0.11
Tributary A to Crawfish Creek	0.035-0.110	0.06-0.110
Tributary A to Dog River	0.01-0.040	0.110
Tributary A to Downs Creek	0.030	0.110
Tributary A to Ephesus	0.040	0.110
Tributary A to Flyblow Creek	0.030	0.110
Tributary A to Helton Creek	0.035-0.045	0.06-0.110

*Data not available

Table 14: Roughness Coefficients continued

Flooding Source	Channel “n”	Overbank “n”
Tributary A to Keaton Creek Tributary 1	0.035	0.110
Tributary A to Lamplighter Creek	0.035	0.110
Tributary A to Mason Creek	0.035-0.040	0.035-0.110
Tributary A to McCoy Creek	0.035-0.110	0.110
Tributary A to Mobley Creek	0.035	0.110
Tributary A to Mobley Creek Tributary 6	0.040	0.035-0.110
Tributary A to Mobley Creek Tributary 7	0.035	0.035-0.110
Tributary A to Nalley Creek	0.035	0.04-0.110
Tributary A to Nancy Long Creek	0.010-0.040	0.035-0.110
Tributary A to Pool Creek	0.035-0.040	0.06-0.110
Tributary A to Tyson Creek	0.035-0.110	0.035-0.110
Tributary B to Billy Creek	0.010-0.0350	0.035-0.110
Tributary B to Crawfish Creek	0.035-0.110	0.110
Tributary B to Dog River	0.010-0.035	0.035-0.110
Tributary B to Duncan	0.040	0.110
Tributary B to Ephesus	0.040	0.110
Tributary B to Flyblow Creek	0.030	0.06-0.110
Tributary B to Helton Creek	0.040	0.01-0.110
Tributary B. to Keaton Creek	0.035	0.035-0.110
Tributary B to Keaton Creek Tributary 1	0.035	0.110
Tributary B to Lamplighter Creek	0.035-0.110	0.035-0.110
Tributary B to McCoy Creek	0.035	0.06-0.110
Tributary B to Mobley Creek	0.035-0.040	0.030-0.110
Tributary B to Mobley Creek Tributary 6	0.035	0.10-0.110
Tributary B to Mobley Creek Tributary 7	0.035	0.06-0.110
Tributary B to Pool Creek	0.035-0.040	0.035-0.110
Tributary C to Billy Creek	0.035-0.045	0.110
Tributary C to Dog River	0.010-0.040	0.110
Tributary C to Flyblow Creek	0.030	0.030-0.110
Tributary C to Helton Creek	0.045	0.110
Tributary C to Keaton Creek	0.035	0.035-0.110
Tributary C to Lamplighter Creek	0.035	0.110
Tributary C to Mobley Creek	0.035	0.035-0.110
Tributary C to Mobley Creek Tributary 7	0.035	0.060-0.110

Table 14: Roughness Coefficients continued

Flooding Source	Channel "n"	Overbank "n"
Tributary D to Billy Creek	0.035	0.110
Tributary D to Dog River	0.040	0.110
Tributary D to Flyblow Creek	0.010-0.030	0.010-0.110
Tributary D to Keaton Creek	0.035	0.110
Tributary D to Mobley Creek	0.035	0.035-0.110
Tributary E to Dog River	0.035-0.040	0.035-0.110
Tributary E to Flyblow Creek	0.030	0.060-0.110
Tributary E to Keaton Creek	0.035	0.035-0.110
Tributary E to Mobley Creek	0.035	0.110
Tributary F to Dog River	0.035-0.045	0.060-0.150
Tributary F to Keaton Creek	0.035	0.035-0.110
Tributary F to Mobley Creek	0.035	0.110
Tributary G to Dog River	0.035	0.035-0.110
Tributary G to Keaton Creek	0.035	0.035-0.110
Tributary H to Dog River	0.035	0.035-0.110
Tributary H to Keaton Creek	0.035	0.035-0.110
Tributary I to Dog River	0.040	0.110
Tributary J to Dog River	0.035-0.040	0.035-0.110
Tributary K to Dog River	0.040	0.110
Tributary M to Dog River	0.01-0.040	0.01-0.110
Tributary N to Dog River	0.040	0.110
Tributary O to Dog River	0.040	0.06-0.110
Tributary P to Dog River	0.040	0.035-0.110
Tributary Q to Dog River	0.045-0.110	0.06-0.110
Tyree Branch	0.035	0.060-0.110
Tyson Creek	0.035	0.035-0.110
Waterfall Branch	0.045-0.080	0.080-0.170
Yellow Rock Creek	0.010-0.045	0.060-0.110
Zion Branch	0.010-0.050	0.010-0.110

5.3 Coastal Analyses

This section is not applicable to this Flood Risk Project.

Table 15: Summary of Coastal Analyses

[Not applicable to this Flood Risk Project]

5.3.1 Total Stillwater Elevations

This section is not applicable to this Flood Risk Project.

Figure 8: 1% Annual Chance Total Stillwater Elevations for Coastal Areas

This section is not applicable to this Flood Risk Project.

Table 16: Tide Gage Analysis Specifics

[Not applicable to this Flood Risk Project]

5.3.2 Waves

This section is not applicable to this Flood Risk Project.

5.3.3 Coastal Erosion

This section is not applicable to this Flood Risk Project.

5.3.4 Wave Hazard Analyses

This section is not applicable to this Flood Risk Project.

Table 17: Coastal Transect Parameters

[Not applicable to this Flood Risk Project]

Figure 9: Transect Location Map

[Not applicable to this Flood Risk Project]

5.4 Alluvial Fan Analyses

This section is not applicable to this Flood Risk Project.

Table 18: Summary of Alluvial Fan Analyses

[Not applicable to this Flood Risk Project]

Table 19: Results of Alluvial Fan Analyses

[Not applicable to this Flood Risk Project]