

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 1 OF 3



CLAYTON COUNTY, GEORGIA

AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
CITY OF FOREST PARK	130042
CITY OF JONESBORO	130043
CITY OF LAKE CITY	130044
CITY OF LOVEJOY	130658
CITY OF MORROW	130045
CITY OF RIVERDALE	130047
CLAYTON COUNTY UNINCORPORATED AREAS	130041



FEMA

PRELIMINARY:

May 29, 2015

FLOOD INSURANCE STUDY NUMBER
13063CV001B

Version Number 2.3.2.1

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Beaverdam Creek	01-04 P	
Big Cotton Indian Creek	05-07 P	
Camp Creek	08-12 P	
Camp Creek Tributary 5	13-14 P	
Camp Creek Tributary 10	15 P	
Camp Creek Tributary 12	16 P	
Conley Creek	17-20 P	
Conley Creek Tributary 9	21 P	
Conley Creek Tributary 9A	22 P	

Connie Creek	23-24 P
Duffey Creek	25 P
Flint River	26-36 P
Flint River Tributary A	37 P
Flint River Tributary 19	38 P
Flint River Tributary 21	39 P
Flint River Tributary 25	40 P
Flint River Tributary 25B	41 P
Flint River Tributary 26	42-43 P
Flint River Tributary 26A	44 P
Flint River Tributary 29	45-46 P
Hurricane Creek	47-50 P
Jester Creek	51-56 P
Jester Creek Tributary 6	57 P
Mud Creek	58-59 P
North Fork Jester Creek	60-62 P
Panther Creek	63-67 P
Panther Creek Tributary 8	68 P
Pates Creek	69-71 P
Pates Creek Tributary 3	72 P
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Rum Creek Tributary A	87 P
Rum Creek Tributary 3	88 P
Rum Creek Tributary 3A	89 P
Shoal Creek	90-92 P
Shoal Creek Tributary 1	93 P
Shoal Creek Tributary 2	94 P
Stratford Tributary	95 P
Stream CT	96-97 P
Stream CT A	98 P
Stream D	99 P
Sullivan Creek	100-102 P
Swamp Creek	103-105 P
Swamp Creek Tributary 1	106 P
Tar Creek	107-108 P
Upton Creek	109 P
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York Creek	113 P

Published Separately

FLOOD INSURANCE STUDY REPORT CLAYTON COUNTY, GEORGIA AND INCORPORATED AREAS

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 insurance 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 Clayton County, Georgia and Incorporated Areas.

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.

The location of flood hazard data for participating communities in multiple jurisdictions is also indicated in the table.

Jurisdictions that have no identified SFHAs as of the effective date of this study are indicated in the table. Changed conditions in these communities (such as urbanization or annexation) or the availability of new scientific or technical data about flood hazards could make it necessary to determine SFHAs in these jurisdictions in the future.

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
City of Forest Park	130042	03070103, 03130005	13063C0019F, 13063C0038F, 13063C0039F, 13063C0043F, 13063C0057F, 13063C0076F, 13063C0077F, 13063C0078F, 13063C0081F	
City of Jonesboro	130043	03070103, 03130005	13063C0086F, 13063C0087F, 13063C0088F, 13063C0089F	
City of Lake City	130044	03070103, 03130005	13063C0076F, 13063C0077F	
City of Lovejoy	130658	03070103, 03130005	13063C0154F, 13063C0158F, 13063C0165F, 13063C0170E*	
City of Morrow	130045	03070103, 03130005	13063C0076F, 13063C0077F, 13063C0078F, 13063C0079F, 13063C0087F	
City of Riverdale	130047	03130005	13063C0058F, 13063C0059F, 13063C0066F, 13063C0067F, 13063C0069F	
Clayton County Unincorporated Areas	130041	03070103, 03130005	13063C0018F, 13063C0019F, 13063C0038F, 13063C0039F, 13063C0043F, 13063C0045F, 13063C0052F, 13063C0054F, 13063C0056F, 13063C0057F, 13063C0058F, 13063C0059F, 13063C0062F, 13063C0066F, 13063C0067F, 13063C0068F, 13063C0069F, 13063C0076F, 13063C0077F, 13063C0078F, 13063C0079F, 13063C0081F, 13063C0082F, 13063C0083F, 13063C0084F, 13063C0086F, 13063C0087F, 13063C0088F, 13063C0089F, 13063C0091F, 13063C0092F, 13063C0093F, 13063C0105E*, 13063C0131F, 13063C0132F, 13063C0134F, 13063C0142F, 13063C0144F, 13063C0151F, 13063C0152F, 13063C0153F, 13063C0154F, 13063C0156F, 13063C0158F, 13063C0165F, 13063C0170E*, 13063C0182F, 13063C0205F	

* 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 , “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 Clayton County became effective on August 16, 2007. Refer to Table for information about subsequent revisions to the FIRMs.

- FEMA does not impose floodplain management requirements or special insurance ratings based on Limit of Moderate Wave Action (LiMWA) delineations at this time. The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. If the LiMWA is shown on the FIRM, it is being provided by FEMA as information only. For communities that do adopt Zone VE building standards in the area defined by the LiMWA, additional Community Rating System (CRS) credits are available. Refer to Section 2.5.4 for additional information about the LiMWA.

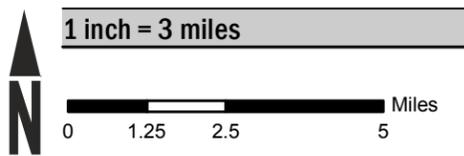
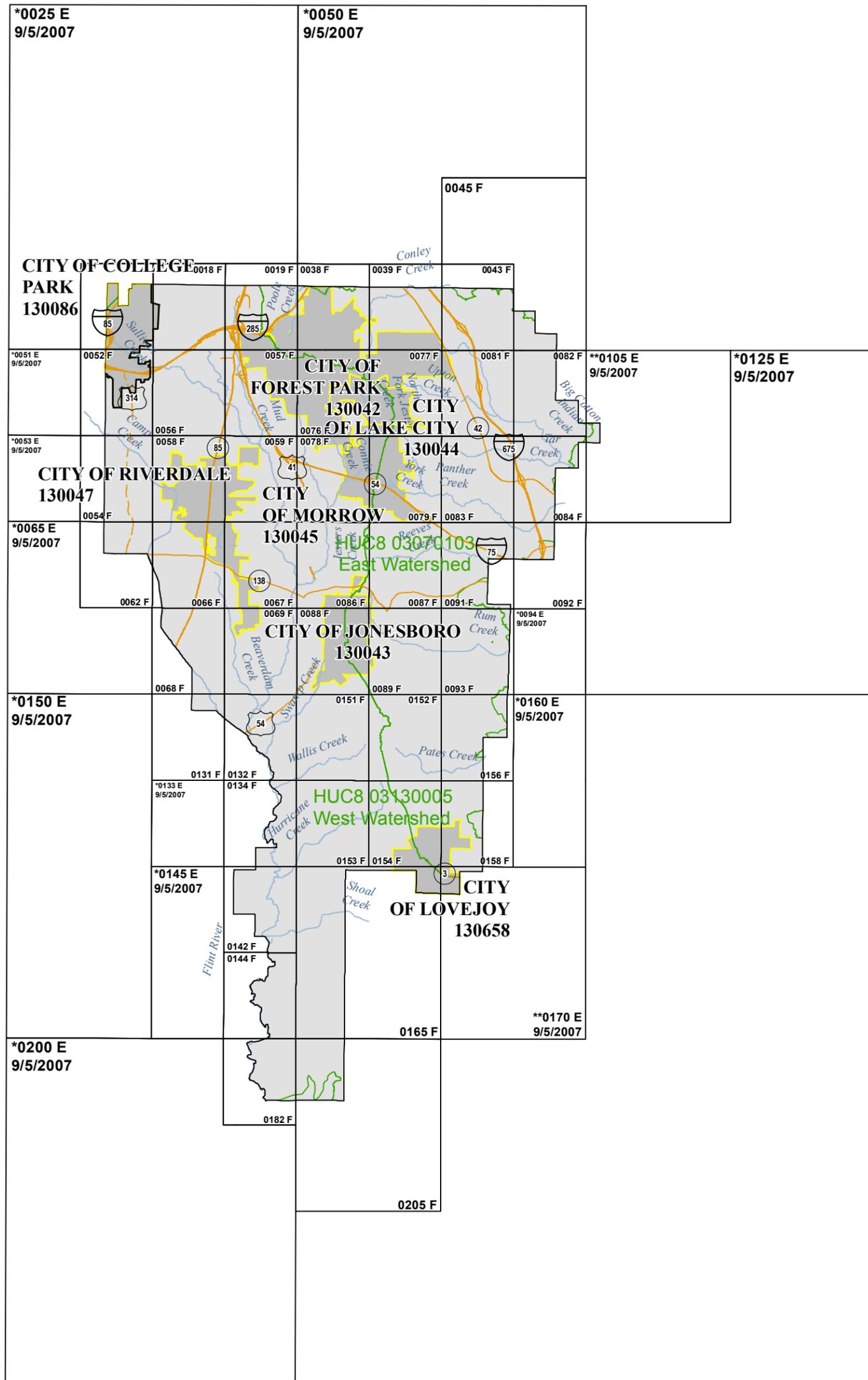
The CRS is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. Visit the FEMA Web site at <http://www.fema.gov> or contact your appropriate FEMA Regional Office for more information about this program.

- Previous FIS Reports and FIRMs may have included levees that were accredited as providing protection from the 1% annual chance flood based on the information available

and the mapping standards of the NFIP at that time. For FEMA to continue to accredit the identified levees with providing protection from the base flood, the levees must meet the criteria of the Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10), titled “Mapping of Areas Protected by Levee Systems.”

Since the status of levees is subject to change at any time, the user should contact the appropriate agency for the latest information regarding levees presented in Table 9 of this FIS Report. For levees owned or operated by the U.S. Army Corps of Engineers (USACE), information may be obtained from the USACE national levee database. For all other levees, the user is encouraged to contact the appropriate local community.

- 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 <http://www.fema.gov>.

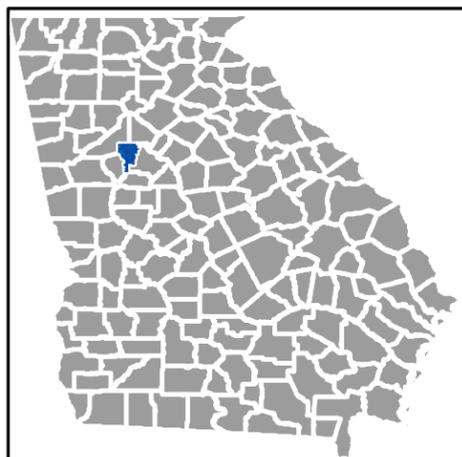


Map Projection:
 NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 North American Datum of 1983

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 FIS REPORT FOR ADDITIONAL INFORMATION



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

CLAYTON COUNTY, GEORGIA AND INCORPORATED AREAS

PANELS PRINTED:

0018, 0019, 0038, 0039, 0043, 0045, 0052, 0054, 0056, 0057, 0058, 0059, 0062, 0066, 0067, 0068, 0069, 0076, 0077, 0078, 0079, 0081, 0082, 0083, 0084, 0086, 0087, 0088, 0089, 0091, 0092, 0093, 0131, 0132, 0134, 0142, 0144, 0151, 0152, 0153, 0154, 0156, 0158, 0165, 0182, 0205

PRELIMINARY
MAY 29, 2015



FEMA

MAP NUMBER

13063CIND1B

MAP REVISED

* PANEL NOT PRINTED - AREA OUTSIDE COUNTY
 ** PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS

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 Map Service Center website at <http://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 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 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 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 (continued)

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 1,002 feet. The horizontal datum was North American Datum 1983. 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 NAVD88. 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 North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://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 Clayton County. This information was derived from digital orthophotography from photography dated 2010. 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 Clayton County, Georgia and Incorporated Areas, 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 (continued)

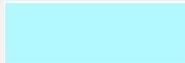
SPECIAL NOTES FOR SPECIFIC FIRM PANELS

This Notes to Users section was created specifically for Clayton County, Georgia and Incorporated Areas, effective January 28, 2015.

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.

Figure 3: Map Legend for FIRM

SPECIAL FLOOD HAZARD AREAS: *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.*



Special Flood Hazard Areas subject to inundation by the 1% annual chance flood (Zones A, AE, AH, AO, AR, A99, V and VE)

- Zone A 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.
- Zone AE 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, either at cross section locations or as static whole-foot elevations that apply throughout the zone.
- Zone AH 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.
- Zone AO 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.
- Zone AR 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.
- Zone A99 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.
- Zone V 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.
- Zone VE 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.



Regulatory Floodway determined in Zone AE.

Figure 3: Map Legend for FIRM (continued)

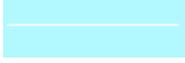
OTHER AREAS OF FLOOD HAZARD	
	Shaded Zone X: Areas of 0.2% annual chance flood hazards and areas of 1% annual chance flood hazards with average depths of less than 1 foot or with drainage areas less than 1 square mile.
	Future Conditions 1% Annual Chance Flood Hazard – Zone X: The flood insurance rate 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.
	Zone X Protected by Accredited Levee: Areas protected by an accredited levee, dike or other flood control structures. 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 determined to be outside the 0.2% annual chance floodplain
FLOOD HAZARD AND OTHER BOUNDARY LINES	
	Flood Zone Boundary (white line)
	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
	Levee, Dike or Floodwall accredited or provisionally accredited to provide protection from the 1% annual chance flood
	Levee, Dike or Floodwall not accredited to provide protection from the 1% annual chance flood.
 <i>Bridge</i>	Bridge

Figure 3: Map Legend for FIRM (continued)

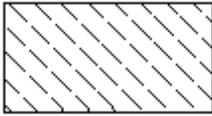
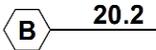
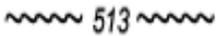
<p>COASTAL BARRIER RESOURCES SYSTEM (CBRS) AND OTHERWISE PROTECTED AREAS (OPA): CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas. See Notes to Users for important information.</p>	
 CBRS AREA 09/30/2009	Coastal Barrier Resources System Area: Labels are shown to 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
 	<p>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.</p> <p>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.</p>
	Base Flood Elevation Line (shown for flooding sources for which no cross sections or profile are available)
<p>ZONE AE (EL 16)</p>	Static Base Flood Elevation value (shown under zone label)
<p>ZONE AO (DEPTH 2)</p>	Zone designation with Depth
<p>ZONE AO (DEPTH 2) (VEL 15 FPS)</p>	Zone designation with Depth and Velocity

Figure 3: Map Legend for FIRM (continued)

BASE MAP FEATURES	
<u>Missouri Creek</u>	River, Stream or Other Hydrographic Feature
	Interstate Highway
	U.S. Highway
	State Highway
	County Highway
<u>MAPLE LANE</u>	Street, Road, Avenue Name, or Private Drive if shown on Flood Profile
 RAILROAD	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 Clayton 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 Clayton County, 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.

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. Communities in Clayton County are required to limit increases caused by encroachment to 0.5 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

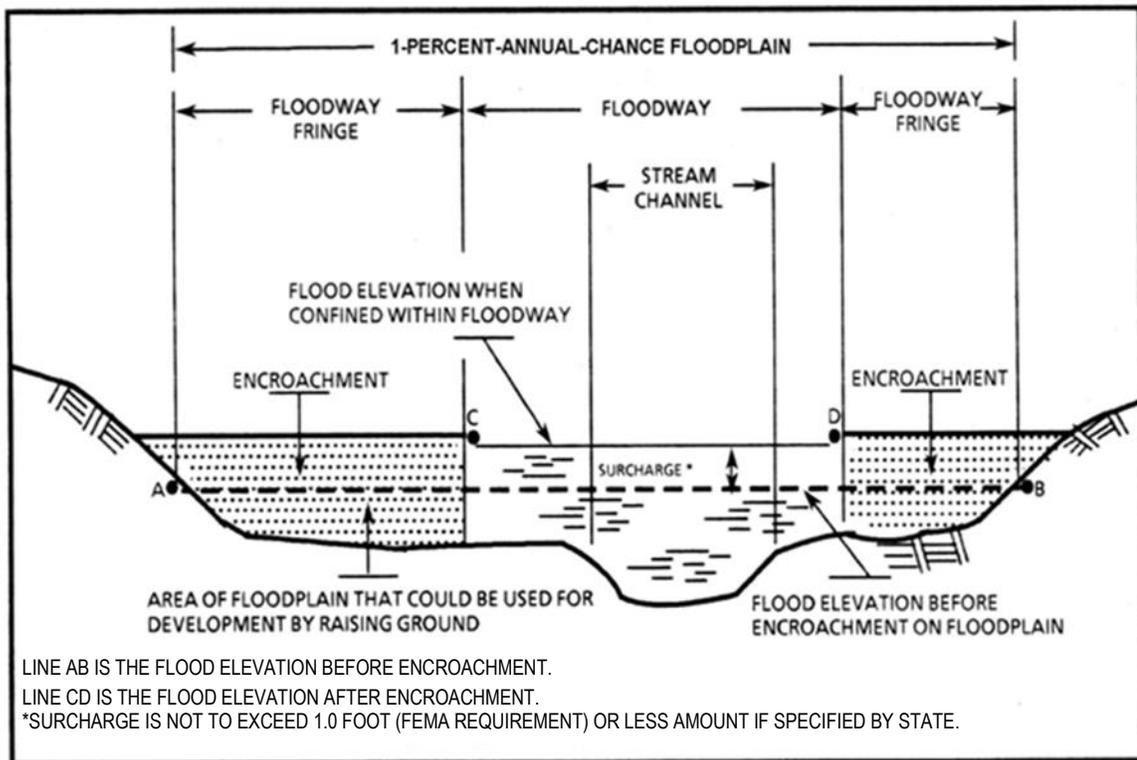


Table 2: Flooding Sources Included in this FIS Report

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
Beaverdam Creek	Clayton County Unincorporated Areas	Confluence with Flint River	Approximately 2,800 feet upstream of Woodlake Drive	03130005	4.2		Y	AE	2014
Big Cotton Indian Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	6.2		N	A	2014
Big Cotton Indian Creek	City of Forest Park, Clayton County Unincorporated Areas	Approximately 1,700 feet downstream from Homestead Road	Approximately 1,000 feet upstream from GA State Route 42	03070103	6.0		Y	A, AE	2014
Camp Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03130005	8.5		N	A, AE	2014
Camp Creek Tributary 10	City of Riverdale, Clayton County Unincorporated Areas	Confluence of Camp Creek	Approximately 1,000 feet upstream of Genny Lane	03130005	0.6		Y	AE	2014
Camp Creek Tributary 12	Clayton County Unincorporated Areas	Confluence of Camp Creek	Approximately 750 feet upstream of Norman Court	03130005	1.2		Y	AE	2014
Camp Creek Tributary 5	Clayton County Unincorporated Areas	Confluence of Camp Creek	Approximately 3,500 feet upstream of Camp Drive	03130005	2.7		Y	AE	2014
Camp Creek	City of Riverdale, Clayton County Unincorporated Areas	Approximately 500 feet downstream of Fayetteville Road	Approximately 5,500 feet street upstream of North Castlegate Drive	03130005	10.8		Y	AE	2014

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
Conley Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	6.8		N	A, AE	2014
Conley Creek Tributary 9	City of Forest Park, Clayton County Unincorporated Areas	Confluence of Conley Creek	Approximately 1,000 feet upstream of Old Jonesboro Road	03070103	1.1		Y	AE	2014
Conley Creek Tributary 9A	City of Forest Park, Clayton County Unincorporated Areas	Confluence of Conley Creek Tributary 9	Approximately 300 feet upstream of Grace Drive	03070103	0.7		Y	AE	2014
Conley Creek	City of Forest Park, Clayton County Unincorporated Areas	Approximately 3,250 feet downstream of Interstate 675	Approximately 350 feet upstream of Private Drive	03070103	3.7		Y	AE	2014
Connie Creek	City of Forest Park, City of Lake City, City of Morrow, Clayton County Unincorporated Areas	Confluence of North Fork Jester Creek	Approximately 7,700 feet upstream of Morrow Road	03130005	2.3		Y	AE	2014
Duffey Creek	City of Morrow	Confluence of York Creek	Approximately 1,180 feet upstream of Confluence of York Creek	03070103	0.2		Y	AE	2014

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
Flint River Tributary 19	Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 1,920 feet upstream of Confluence of Flint River	03130005	0.4		Y	AE	2014
Flint River Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03130005	13.2		N	A	2014
Flint River Tributary 21	Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 3,100 feet upstream of Confluence of Flint River	03130005	0.6		Y	AE	2014
Flint River Tributary 25	City of Riverdale, Clayton County Unincorporated Areas	Confluence of Flint River Tributary	Approximately 725 feet upstream of Private Road	03130005	1.9		Y	AE	2014
Flint River Tributary 25B	City of Riverdale, Clayton County Unincorporated Areas	Confluence of Flint River Tributary 25	Approximately 1,950 feet upstream of Delta Drive	03130005	1.1		Y	A, AE	2014
Flint River Tributary 26	City of Riverdale, Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 3,065 feet upstream of the Confluence of Flint River Tributary 26A	03130005	1.8		Y	A, AE	2014
Flint River Tributary 26A	City of Riverdale	Confluence of Flint River Tributary 26	Approximately 725 feet upstream of Valley Brook Drive	03130005	0.6		Y	AE	2014

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
Flint River Tributary 29	Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 3,000 feet upstream of Garden Walk Boulevard	03130005	2.2		Y	AE	2014
Flint River Tributary A	Clayton County Unincorporated Areas	Confluence of Flint River Tributary	Approximately 3,300 feet upstream of Confluence of Flint River Tributary	03130005	0.6		Y	AE	2014
Flint River	Clayton County Unincorporated Areas	Approximately 450 feet downstream of the Confluence of Shoal Creek	Approximately 3,100 feet upstream of Sullivan Road	03130005	26.8		Y	AE	2014
Hurricane Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03130005	4.3		N	A	2014
Hurricane Creek	Clayton County Unincorporated Areas	N/A	N/A	03130005	4.3		Y	AE	2014
Jester Creek Tributary 1	Clayton County Unincorporated Areas	N/A	N/A	03130005	0.8		N	A	2014
Jester Creek Tributary 6	City of Forest Park	Confluence of Jester Creek	Approximately 150 feet upstream of Georgia Avenue	03130005	0.7		Y	AE	2014
Jesters Creek Tributary 1	Clayton County Unincorporated Areas	N/A	N/A	03130005	0.3		N	AE	2014

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
Jesters Creek Tributary 3	Clayton County Unincorporated Areas	N/A	N/A	03130005	0.7		N	A	2014
Jesters Creek	City of Forest Park, Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 775 feet upstream of West Street	03130005	6.8		Y	AE	2014
Mud Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03130005	1.0		N	A	2014
Mud Creek	City of Forest Park, Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 1,280 feet upstream of Interstate 75 Ramp	03130005	8.7		Y	A, AE	2014
North Fork Jester Creek Tributaries	City of Morrow, Clayton County Unincorporated Areas	N/A	N/A	03130005	0.6		Y	A, AE	2014
North Fork Jester Creek	City of Lake City, City of Morrow, Clayton County Unincorporated Areas	Confluence of Jester Creek	Approximately 3,230 feet upstream of Kenyon Drive	03130005	4.1		Y	A, AE	2014
Panther Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	4.5		N	A, AE	2014

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
Panther Creek Tributary 8	Clayton County Unincorporated Areas	Confluence of Panther Creek	Approximately 2,420 feet upstream of Confluence of Panther Creek	03070103	0.4		Y	AE	2014
Panther Creek	Clayton County Unincorporated Areas	Approximately 850 feet downstream of U.S. Highway 23	Approximately 5,150 feet upstream of the Confluence of Stratford Tributary	03070103	6.2		Y	AE	2014
Pates Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	2.8		N	A	2014
Pates Creek Tributary 3	Clayton County Unincorporated Areas	Confluence of Pates Creek	Approximately 2,000 feet upstream of Confluence of Pates Creek	03070103	1.4		Y	A, AE	2014
Pates Creek Tributary 3A	Clayton County Unincorporated Areas	Confluence of Pates Creek Tributary 3	Approximately 6,100 feet upstream of Confluence of Pates Creek Tributary 3	03070103	1.2		Y	A, AE	2014
Pates Creek Tributary 4	Clayton County Unincorporated Areas	Confluence of Pates Creek	Approximately 590 feet upstream of Confluence of Pates Creek	03070103	0.1		Y	AE	2014
Pates Creek	Clayton County Unincorporated Areas	Approximately 600 feet downstream of CCWA Access Road	Approximately 3,580 feet upstream of Freeman Road	03070103	3.0		Y	AE	2014

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
Poole Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	1.4		N	A	2014
Poole Creek Tributary	City of Forest Park, Clayton County Unincorporated Areas	N/A	N/A	03070103	1.8		Y	A, AE	2014
Poole Creek	City of Forest Park, Clayton County Unincorporated Areas	Approximately 2,250 feet downstream of Interstate Highway 285	Approximately 3,350 feet upstream of Greenhill Way	03070103	1.6		Y	A, AE	2014
Reeves Creek Tributaries	Clayton County Unincorporated Areas	Confluence of Poole Creek	Approximately 9,325 feet upstream of Confluence of Poole Creek	03070103	1.0		N	AE	2014
Reeves Creek Tributary 2	Clayton County Unincorporated Areas	Confluence of Reeves Creek	Approximately 320 feet upstream of Mt. Zion Parkway	03070103	0.2		Y	AE	2014
Reeves Creek Tributary 4	Clayton County Unincorporated Areas	Confluence of Reeves Creek	Approximately 780 feet upstream of Peridot Court	03070103	0.2		Y	AE	2014
Reeves Creek Tributary 5	Clayton County Unincorporated Areas	Confluence of Reeves Creek	Approximately 2,900 feet upstream of Confluence of Reeves Creek	03070103	0.5		Y	AE	2014

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
Reeves Creek Tributary 6	Clayton County Unincorporated Areas	Confluence of Reeves Creek	Approximately 5,250 feet upstream of Confluence of Reeves Creek	03070103	1.0		Y	AE	2014
Reeves Creek	Clayton County Unincorporated Areas	N/A	N/A	03070103	3.4		Y	AE	2014
Rum Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	8.2		N	A	2014
Rum Creek Tributary 3	Clayton County Unincorporated Areas	Confluence of Rum Creek	Approximately 2,180 feet upstream of Betony Wood Trail	03070103	3.7		Y	AE	2014
Rum Creek Tributary 3A	Clayton County Unincorporated Areas	Confluence of Rum Creek Tributary 3	Approximately 6,080 feet upstream of Thornton Boulevard	03070103	1.4		Y	AE	2014
Rum Creek Tributary A	Clayton County Unincorporated Areas	Confluence of Rum Creek Tributary	Approximately 995 feet upstream Sky View Drive	03070103	0.2		Y	AE	2014
Rum Creek	City of Jonesboro, Clayton County Unincorporated Areas	Approximately 300 feet downstream of Confluence of Rum Creek Tributary	Approximately 12,350 feet upstream of Confluence of Rum Creek Tributary	03070103	4.8		Y	A, AE	2014
Shoal Creek Control	Clayton County Unincorporated Areas	N/A	N/A	03130005	0.2		N	A	2014

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
Shoal Creek Tributary 1	Clayton County Unincorporated Areas	Confluence of Shoal Creek	Approximately 5,750 feet upstream of Shoal Creek	03130005	1.1		Y	AE	2014
Shoal Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03130005	5.0		N	A	2014
Shoal Creek Tributary 2	Clayton County Unincorporated Areas	Confluence of Shoal Creek	Approximately 1,280 feet upstream of Confluence of Shoal Creek	03130005	0.2		Y	AE	2014
Shoal Creek	Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 7,500 feet upstream of Panhandle Road	03130005	3.0		Y	AE	2014
Stratford Tributary	City of Morrow, Clayton County Unincorporated Areas	Confluence of Panther Creek	Approximately 830 feet upstream of Confluence of Panther Creek	03070103	0.8		Y	A, AE	2014
Stream CT	City of Riverdale	Downstream 310 feet Roberts Drive	Approximately 700 feet upstream of Roundtree Road	03130005	0.7		Y	AE	2014
Stream CT-A	City of Riverdale	Confluence of Stream C	Approximately 620 feet upstream of Confluence of Stream C	03130005	0.1		Y	AE	2014
Stream D	City of Riverdale, Clayton County Unincorporated Areas	Approximately 700 feet downstream of Taylor Road	Approximately 750 feet upstream of Taylor Road	03130005	0.1		Y	AE	2014

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
Sullivan Creek Tributary 1	Clayton County Unincorporated Areas	N/A	N/A	03130005	0.7		N	A	2014
Sullivan Creek	Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 310 feet upstream of Riverdale Road	03130005	4.0		Y	AE	2014
Swamp Creek Tributary 1	Clayton County Unincorporated Areas	Confluence of Swamp Creek	Approximately 3,800 feet upstream of Confluence of Swamp Creek	03130005	0.7		Y	AE	2014
Swamp Creek	City of Jonesboro, Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 6,250 feet upstream of Brown Road	03130005	3.4		Y	AE	2014
Tar Creek	Clayton County Unincorporated Areas	Confluence of Big Cotton Indian Creek	Approximately 420 feet upstream of Landover Circle	03070103	3.4		Y	A, AE	2014
Unnamed Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	9.5		N	A	2014
Upton Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03070103	2.5		N	A, AE	2014
Upton Creek	City of Forest Park, Clayton County Unincorporated Areas	Confluence of Big Cotton Indian Creek	Approximately 1,040 feet upstream of Forest Park	03070103	3.1		Y	A, AE	2014

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
Wallis Creek Tributaries	Clayton County Unincorporated Areas	N/A	N/A	03130005	2.3		N	A, AE	2014
Wallis Creek	Clayton County Unincorporated Areas	Confluence of Flint River	Approximately 1,560 feet upstream of Labelle Street	03130005	2.9		Y	AE	2014
West Tributary to Jester Creek	City of Forest Park	Confluence of Jester Creek	At Springdale Road	03130005	0.3		Y	AE	2014
York Creek	City of Morrow, Clayton County Unincorporated Areas	Confluence of Panther Creek	Approximately 1,200 feet upstream of Duffey Drive	03070103	1.2		Y	A, AE	2014
York Tributary 1	City of Morrow, Clayton County Unincorporated Areas	N/A	N/A	03070103	0.8		N	A, AE	2014

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 FIS 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

Some States and communities use non-encroachment zones to manage floodplain development. While not a FEMA designated floodway, the non-encroachment zone represents that area around the stream that should be reserved to convey the 1% annual chance flood event.

2.5 Coastal Flood Hazard Areas

2.5.1 Water Elevations and the Effects of Waves

This section is not applicable to this FIS 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 FIS 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]

Coastal floodplains are shown on the FIRM using the symbology described in Figure 3, “Map Legend for FIRM.”

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, “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 the unincorporated and incorporated areas of Clayton County.

Table 3: Flood Zone Designations by Community

Community	Flood Zone(s)
City of Forest Park	A, AE, X
City of Jonesboro	AE, X
City of Lake City	A, AE, X
City of Lovejoy	A, X
City of Morrow	A, AE, X
City of Riverdale	A, AE, X
Clayton County Unincorporated Areas	A, AE, X

3.2 Coastal Barrier Resources System

The Coastal Barrier Resources Act (CBRA) of 1982 was established by Congress to create areas along the Atlantic and Gulf coasts and the Great Lakes, where restrictions for Federal financial

assistance including flood insurance are prohibited. In 1990, Congress passed the Coastal Barrier Improvement Act (CBIA), which increased the extent of areas established by the CBRA and added “Otherwise Protected Areas” (OPA) to the system. These areas are collectively referred to as the John. H Chafee Coastal Barrier Resources System (CBRS). The CBRS boundaries that have been identified in the project area are in Table 4, “Coastal Barrier Resource System Information.”

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 ()
1	03070103	N/A	East Watershed	61
2	03130005	N/A	West Watershed	183

4.2 Principal Flood Problems

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

Table 6: Principal Flood Problems

Table 6: Principal Flood Problems (*continued*)

Flooding Source	Description of Flood Problems
Big Cotton Indian Creek	Known damaging floods in the area occurred in February 1900, February 1961, April 1964, and March 1971
Panther Creek	Known damaging floods in the area occurred in February 1900, February 1961, April 1964, and March 1971
Pates Creek	Known damaging floods in the area occurred in February 1900, February 1961, April 1964, and March 1971
Reeves Creek	Known damaging floods in the area occurred in February 1900, February 1961, April 1964, and March 1971
Rum Creek	Known damaging floods in the area occurred in February 1900, February 1961, April 1964, and March 1971

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

Table 7: Historic Flooding Elevations

[Not Applicable to this Flood Risk Project]

4.3 Non-Levee Flood Protection Measures

Table 8 contains information about non-levee flood protection measures within Clayton County such as dams, jetties, and or dikes. Levees are addressed in Section 4.4 of this FIS Report.

Table 8: Non-Levee Flood Protection Measures

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Beaverdam Creek	Joy Lake Dam	Dam	Approximately 17,500 feet upstream from Confluence of Flint River	
Big Cotton Indian Creek	Rex Road Dam	Dam	Approximately 330 feet downstream of Rex Road	
Big Cotton Indian Creek	Oak Drive Dam	Dam	At Oak Drive	
Big Cotton Indian Creek	Old Toney Road Dam	Dam	At Old Toney Road	
Camp Creek Tributary 10	Dam	Dam	Approximately 350 feet upstream of Genny Lane	

Table 8: Non- Levee Flood Protection Measures (Continued)

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Flint River Tributary 19	Dam	Dam	Approximately 1,640 feet upstream of Confluence with Flint River	
Pates Creek	CCWA Access Road	Dam	At CCWA Access Road	
Pates Creek	Foot Bridge	Dam	Approximately 330 feet upstream of Freeman Road	
Pates Creek Tributary 3	Dam	Dam	Approximately 480 feet upstream from Confluence with Pates Creek	
Pates Creek Tributary 3	Dam	Dam	Approximately 580 feet upstream from Confluence of Pates Creek Tributary 3A	
Pates Creek Tributary 3	Dam	Dam	Approximately 1,360 feet upstream of the Confluence of Pates Creek	
Rum Creek Tributary	Bay View Drive Dam	Dam	Approximately 260 feet upstream of Bay View Drive	
Rum Creek Tributary 3	Dam	Dam	Approximately 420 feet downstream of Confluence with Rum Creek Tributary 3A	
Shoal Creek	Dam	Dam	Approximately 670 feet upstream of Confluence with Flint River	
Smith Reservoir	Smith Reservoir Dam	Dam	Approximately 580 feet upstream of Confluence with Flint River	
Swamp Creek	Dam	Dam	Approximately 16,850 feet upstream of Confluence with Flint River	

Table 8: Non- Levee Flood Protection Measures (*Continued*)

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Swamp Creek	Mundys Mill Pond Dam	Dam	Approximately 300 feet upstream of Mundys Mill Road	
York Creek	Duffey Drive Dam	Dam	At Duffey Drive	

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 Curves used to develop the hydrologic models may also be shown in Figure 7 for selected flooding sources. A summary of stillwater elevations developed for non-coastal flooding sources is provided in Table 11, however is not shown because this data is not applicable. . (Coastal stillwater elevations are discussed in Section 5.3 and shown in Table 17.) Stream gage information has not been provided in Table 12, because it is not applicable to this study.

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
Beaverdam Creek	At confluence with Flint River	25.6	1,251	*	1,908	2,197	2,834
Big Cotton Indian Creek	At the county boundary	14.7	5,128	*	7,728	8,883	11,407
Big Cotton Indian Creek	Just upstream of the confluence of Tar Creek	12.2	4,047	*	5,978	6,846	8,788
Big Cotton Indian Creek	Just upstream of the confluence of Big Cotton Indian Creek Tributary 4	7.3	2,632	*	3,642	4,083	5,134
Big Cotton Indian Creek	Just upstream of the confluence of Upton Creek	2.8	1,218	*	1,679	1,878	2,296
Big Cotton Indian Creek	Just upstream of the confluence of Big Cotton Indian Creek Tributary 2	11.7	3,991	*	5,867	6,715	8,617
Big Cotton Indian Creek	Just upstream of the confluence of Big Cotton Indian Creek Tributary 3	9.0	3,038	*	4,256	4,815	6,159

*Not applicable 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
Big Cotton Indian Creek	Just upstream of the confluence of Big Cotton Indian Creek Tributary 5	6.4	2,943	*	4,104	4,660	6,053
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 1	16.9	3,198	*	4,889	5,996	8,541
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 4	12.4	3,408	*	5,045	5,957	8,033
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 5	7.8	2,285	*	3,378	3,965	5,349
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 6	7.3	2,317	*	3,374	3,980	5,461
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 7	6.9	2,205	*	3,269	3,878	5,318
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 13	2.7	1,768	*	2,734	3,149	4,102
Camp Creek	At the confluence with Flint River	19.8	2,597	*	3,878	4,577	6,327

*Not applicable 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 Creek	Just upstream of the confluence of Camp Creek Tributary 8	6.3	2,112	*	3,151	3,737	5,125
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 9	5.6	2,157	*	3,093	3,598	4,875
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 10	5.2	1,979	*	2,925	3,448	4,683
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 11	3.7	2,353	*	3,615	4,172	5,407
Camp Creek	Just upstream of the confluence of Camp Creek Tributary 12	2.9	1,827	*	2,812	3,239	4,207
Camp Creek	Just upstream of confluence with Camp Creek Tributary 14	1.3	1,124	*	1,646	1,872	2,365
Camp Creek Tributary 10	At the confluence with Camp Creek	0.4	361	*	556	642	831
Camp Creek Tributary 12	At the confluence with Camp Creek	0.8	599	*	921	1,063	1,377

*Not applicable 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 Creek Tributary 5	At the confluence with Camp Creek	3.7	1,715	*	2,487	2,829	3,575
Conley Creek	Just Upstream of the confluence of Conley Creek Tributary 2	3.4	2,279	*	3,253	3,700	4,521
Conley Creek	Just upstream of the confluence of Conley Creek Tributary 5	2.6	2,326	*	3,149	3,565	4,588
Conley Creek	At the confluence with Conley Creek Tributary 1	6.6	2,685	*	3,962	4,521	6,213
Conley Creek	Just upstream of the confluence of Conley Creek Tributary 8	2.0	1,882	*	2,499	2,866	3,710
Conley Creek Tributary 9	At the confluence with Conley Creek	0.8	804	*	1,202	1,377	1,767
Conley Creek Tributary 9	Just upstream of the confluence of Tributary 9A	0.5	502	*	720	814	1,017
Conley Creek Tributary 9A	At the confluence with Conley Creek Tributary 9	0.3	421	*	607	688	863

*Not applicable 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
Connie Creek	At the confluence with North Fork Jester Creek	1.4	1,012	*	1,510	1,728	2,205
Duffey Creek	At the confluence with York Creek	0.1	191	*	285	332	443
Flint River	At the county boundary	159.8	8,762	*	14,386	17,450	24,502
Flint River	Just upstream of the confluence of Shoal Creek	128.0	8,906	*	14,687	18,030	24,469
Flint River	Just upstream of the confluence of Wallis Creek	114.2	12,645	*	20,961	24,261	34,067
Flint River	Just upstream of confluence of Jester Creek	27.2	6,754	*	9,821	11,388	14,332
Flint River	Just upstream of confluence of Mud Creek	2.9	4,886	*	6,814	7,619	9,863
Flint River	Just upstream of the confluence of Hurricane Creek	121.0	9,134	*	15,061	18,249	24,725
Flint River	Just upstream of the confluence of Swamp Creek	68.4	10,072	*	15,366	17,722	23,221
Flint River	Just upstream of the confluence of Camp Creek	48.3	7,583	*	11,592	13,417	17,542

*Not applicable 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
Flint River	Just upstream of the confluence of Beaverdam Creek	45.2	7,473	*	11,425	13,223	17,300
Flint River	Just upstream of confluence of Sullivan Creek	1.3	1,240	*	1,788	2,024	2,537
Flint River Tributary 19	At the confluence with Flint River	23.1	300	*	448	512	653
Flint River Tributary 21	At the confluence with Flint River	23.3	374	*	575	664	860
Flint River Tributary 25	Just upstream of the confluence of Stream CT	0.4	309	*	475	548	709
Flint River Tributary 25	At the confluence with Flint River	2.0	847	*	1,258	1,432	1,851
Flint River Tributary 25	At the confluence of Flint River Tributary 25B	0.8	550	*	773	869	1,075
Flint River Tributary 25B	At the confluence with Flint River Tributary 25	0.5	309	*	475	548	709
Flint River Tributary 26	At the confluence with Flint River	1.1	912	*	1,343	1,531	1,924

*Not applicable 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
Flint River Tributary 26	Just upstream of the confluence of Flint River Tributary 26A	0.1	262	*	370	416	516
Flint River Tributary 26A	At the confluence with Flint River Tributary 26	0.3	326	*	487	557	711
Flint River Tributary 29	Just upstream of the confluence of Flint River Tributary 29A	1.4	954	*	1,574	1,749	2,152
Flint River Tributary 29	Just upstream of the confluence of Flint River Tributary 29B	0.5	510	*	756	864	1,098
Flint River Tributary 29	At the confluence with Flint River	2.2	1,134	*	1,851	2,129	2,726
Flint River Tributary A	At the confluence with Flint River Tributary	0.5	182	*	311	370	505
Hurricane Creek	At the confluence with Flint River	5.2	1,684	*	2,656	3,101	4,037
Hurricane Creek	Just upstream of the confluence of Hurricane Creek Tributary 1	4.6	1,958	*	3,063	3,512	4,455

*Not applicable 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
Hurricane Creek	Just upstream of the confluence of Hurricane Creek Tributary 3	3.0	1,646	*	2,529	2,943	3,876
Hurricane Creek	Just upstream of the confluence of Hurricane Creek Tributary 5	1.3	700	*	1,074	1,279	1,746
Hurricane Creek	Just upstream of the confluence of Hurricane Creek Tributary 6	0.4	310	*	466	534	684
Hurricane Creek	Just upstream of the confluence of Hurricane Creek Tributary 2	3.6	1,995	*	3,031	3,507	4,609
Jester Creek	Just upstream of the confluence of Jester Creek Tributary 1	9.4	3,486	*	5,113	5,802	7,533
Jester Creek	Just upstream of the confluence of Jester Creek Tributary 2	8.5	3,416	*	5,033	5,699	7,373
Jester Creek	Just upstream of the confluence of Jester Creek Tributary 3	8.2	3,290	*	4,848	5,476	7,141

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
Jester Creek	Just upstream of the confluence of North Fork Jester Creek	3.5	1,635	*	2,392	2,721	3,443
*Not applicable for this Flood Risk Project							
Jester Creek	Just upstream of the confluence of Jester Creek Tributary 6	0.4	401	*	600	688	878
Jester Creek	Just upstream of the confluence of Jester Creek Tributary 5	1.6	1,105	*	1,593	1,805	2,265
Jester Creek	At confluence with Flint River	12.1	3,240	*	4,733	5,350	6,676
Jester Creek Tributary 6	Just upstream of the confluence with Jester Creek	0.5	658	*	924	1,038	1,284
Mud Creek	Just upstream of the confluence of Mud Creek Creek Tributary 2	8.3	4,978	*	6,901	7,725	9,506
Mud Creek	At the confluence with Flint River	10.1	4,565	*	6,418	7,228	9,024
Mud Creek	Just upstream of the confluence of Mud Creek Creek Tributary 1	9.3	4,566	*	6,368	7,170	8,947

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
North Fork Jester Cre	At the confluence with North Fork Jester	4.7	1,693	*	2,495	2,770	3,830
*Not applicable for this Flood Risk Project							
North Fork Jester Cre	Just upstream of the confluence of North Fork Jester Creek Tributary 2	1.6	1,502	*	2,179	2,473	3,113
North Fork Jester Cre	Just upstream of the confluence of Connie Creek	2.8	985	*	1,455	1,660	2,110
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 4	5.9	1,963	*	2,793	3,182	4,127
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 3	6.4	2,015	*	3,024	3,450	4,356
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 7	4.1	1,743	*	2,388	2,675	3,469
Panther Creek	At the county boundary	8.5	1,956	*	2,883	3,278	4,077

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
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 1	7.4	2,098	*	3,082	3,540	4,433
*Not applicable for this Flood Risk Project							
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 5	5.0	1,880	*	2,614	2,944	3,814
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 6	4.7	1,844	*	2,556	2,877	3,732
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 8	3.6	1,829	*	2,418	2,704	3,512
Panther Creek	Just upstream of the confluence of York Creek	2.0	1,437	*	2,365	2,752	3,609
Panther Creek	Just upstream of the confluence of Panther Creek Creek Tributary 2	7.0	2,059	*	3,000	3,437	4,333
Panther Creek Tributary 8	At the confluence with Panther Creek	0.3	399	*	600	687	879

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
Pates Creek	Just upstream of the confluence of Pates Creek Creek Tributary 1	4.3	863	*	1,504	1,805	2,458
*Not applicable for this Flood Risk Project							
Pates Creek	Just upstream of the confluence of Pates Creek Creek Tributary 2	3.4	457	*	786	937	1,295
Pates Creek	Just upstream of the confluence of Pates Creek Creek Tributary 4	0.4	234	*	389	460	618
Pates Creek	At the county boundary	4.7	991	*	1,688	2,019	2,748
Pates Creek	Just upstream of the confluence of Pates Creek Creek Tributary 3	0.7	68	*	115	137	194
Pates Creek Tributary 3	At the confluence with Pates Creek	1.9	404	*	667	779	1,241
Pates Creek Tributary 3A	At the confluence with Pates Creek Tributary 3	0.7	160	*	261	298	600
Pates Creek Tributary 4	At the confluence with Pates Creek	0.2	177	*	285	333	439

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
Poole Creek	At county boundary	2.1	2,021	*	3,024	3,429	4,351
*Not applicable for this Flood Risk Project							
Poole Creek	Approximately 350 ft downstream of Barton Drive	0.7	469	*	831	1,000	1,353
Poole Creek Tributary	At county boundary	1.1	1,011	*	1,494	1,704	2,164
Reeves Creek	Just upstream of the confluence of Reeves Creek Creek Tributary 1	3.8	2,048	*	3,096	3,541	4,610
Reeves Creek	Just upstream of the confluence of Reeves Creek Creek Tributary 4	1.7	1,425	*	2,151	2,471	3,170
Reeves Creek	Just upstream of the confluence of Reeves Creek Creek Tributary 5	1.3	1,039	*	1,567	1,798	2,305
Reeves Creek	Just upstream of the confluence of Reeves Creek Creek Tributary 6	0.5	473	*	699	798	1,013

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
Reeves Creek	Just upstream of the confluence of Reeves Creek Creek Tributary 2	3.4	1,804	*	2,711	3,092	4,073
*Not applicable for this Flood Risk Project							
Reeves Creek	Just upstream of the confluence of Reeves Creek Creek Tributary 3	2.2	1,598	*	2,491	2,891	3,742
Reeves Creek Tributary 2	At confluence with Reeves Creek	0.4	316	*	488	565	732
Reeves Creek Tributary 4	At the confluence with Reeves Creek	0.3	484	*	725	831	1,062
Reeves Creek Tributary 5	At the confluence with Reeves Creek	0.4	421	*	632	725	928
Reeves Creek Tributary 6	At confluence with Reeves Creek	0.6	453	*	688	791	1,018
Rum Creek	At the county boundary	10.4	311	*	437	492	609
Rum Creek	Just upstream of the confluence of Rum Creek Creek Tributary 3	3.8	328	*	480	546	690

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
Rum Creek Tributary	At the confluence with Rum Creek	0.7	388	*	543	609	751
Rum Creek Tributary 3	At the confluence with Rum Creek	1.9	901	*	1,470	1,699	2,241
*Not applicable for this Flood Risk Project							
Rum Creek Tributary 3A	At the confluence with Rum Creek Tributary 3	1.1	843	*	1,258	1,440	1,836
Rum Creek Tributary A	At the confluence with Rum Creek	0.2	198	*	305	352	457
Shoal Creek	Just upstream of the confluence of Shoal Creek Tributary 2	6.9	205	*	333	391	519
Shoal Creek	At the confluence with Flint River	9.3	700	*	1,032	1,177	1,492
Shoal Creek Tributary 1	At the confluence with Shoal Creek	1.0	179	*	303	359	487
Shoal Creek Tributary 2	At the confluence with Shoal Creek	0.3	95	*	176	214	301
Statford Tributary	At the confluence with Panther Creek	0.4	430	*	630	717	907

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
Sullivan Creek	At the confluence with Flint River	5.4	3,191	*	4,056	4,743	6,609
Swamp Creek	Just upstream of the confluence of Swamp Creek Tributary 2	2.8	1,399	*	2,158	2,480	3,096

*Not applicable for this Flood Risk Project

Swamp Creek	Just upstream of the confluence of Swamp Creek Tributary 4	0.6	432	*	659	758	977
Swamp Creek	At the confluence with Flint River	4.1	767	*	1,334	1,541	2,138
Swamp Creek Tributary 1	At the confluence with Swamp Creek	0.3	251	*	392	455	594
Tar Creek	At the confluence with Big Cotton Indian Creek	2.5	1,247	*	1,878	2,156	2,764
Wallis Creek	Just upstream of the confluence of Wallis Creek Tributary 2	2.3	1,212	*	1,823	2,233	3,247
Wallis Creek	At the confluence with Flint River	3.3	802	*	1,119	1,229	1,551

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
Wallis Creek	Just upstream of the confluence of Wallis Creek Tributary 5	0.9	747	*	1,166	1,359	1,787
York Creek	At the confluence with Panther Creek	1.3	1,282	*	2,005	2,311	3,002
York Creek	Just Upstream of the confluence of York Creek Tributary 1	0.4	534	*	776	881	1,108

*Not calculated for this Flood Risk Project

Table 11: Summary of Non-Coastal Stillwater Elevations

[Not Applicable to this Flood Risk Project]

Table 12: Stream Gage Information used to Determine Discharges

[Not Applicable to this Flood Risk Project]

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		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Beaverdam Creek	Confluence with Flint River	Approximately 2,800 feet upstream of Woodlake Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Big Cotton Indian Creek	Approximately 1,700 feet downstream from Homestead Road	Approximately 1,000 feet upstream from GA State Route 42	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Big Cotton Indian Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Camp Creek	Approximately 500 feet downstream of Fayetteville Road	Approximately 5,500 feet street upstream of North Castlegate Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Camp Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Camp Creek Tributary 5	Confluence of Camp Creek	Approximately 3,500 feet upstream of Camp Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Camp Creek Tributary 10	Confluence of Camp Creek	Approximately 1,000 feet upstream of Genny Lane	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Camp Creek Tributary 12	Confluence of Camp Creek	Approximately 750 feet upstream of Norman Court	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Conley Creek	Approximately 3,250 feet downstream of Interstate 675	Approximately 350 feet upstream of Private Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Conley Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Conley Creek Tributary 9	Confluence of Conley Creek	Approximately 1,000 feet upstream of Old Jonesboro Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Conley Creek Tributary 9A	Confluence of Conley Creek Tributary 9	Approximately 300 feet upstream of Grace Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Connie Creek	Confluence of North Fork Jester Creek	Approximately 7,700 feet upstream of Morrow Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Duffey Creek	Confluence of York Creek	Approximately 1,180 feet upstream of Confluence of York Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Flint River	Approximately 450 feet downstream of the Confluence of Shoal Creek	Approximately 3,100 feet upstream of Sullivan Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Flint River Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Flint River Tributary 19	Confluence of Flint River	Approximately 1,920 feet upstream of Confluence of Flint River	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Flint River Tributary 21	Confluence of Flint River	Approximately 3,100 feet upstream of Confluence of Flint River	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Flint River Tributary 25	Confluence of Flint River Tributary	Approximately 725 feet upstream of Private Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Flint River Tributary 25B	Confluence of Flint River Tributary 25	Approximately 1,950 feet upstream of Delta Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Flint River Tributary 26	Confluence of Flint River	Approximately 3,065 feet upstream of the Confluence of Flint River Tributary 26A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Flint River Tributary 26A	Confluence of Flint River Tributary 26	Approximately 725 feet upstream of Valley Brook Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Flint River Tributary 29	Confluence of Flint River	Approximately 3,000 feet upstream of Garden Walk Boulevard	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Flint River Tributary A	Confluence of Flint River Tributary	Approximately 3,300 feet upstream of Confluence of Flint River Tributary	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Hurricane Creek	Confluence of Flint River	Approximately 100 feet upstream of Flicker Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Hurricane Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Jester Creek Tributary 1	Confluence of Jester Creek	Approximately 1,100 feet upstream of Confluence of Jester Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Jester Creek Tributary 6	Confluence of Jester Creek	Approximately 150 feet upstream of Georgia Avenue	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Jesters Creek	Confluence of Flint River	Approximately 775 feet upstream of West Street	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Mud Creek	Confluence of Flint River	Approximately 1,280 feet upstream of Interstate 75 Ramp	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
North Fork Jester Creek	Confluence of Jester Creek	Approximately 3,230 feet upstream of Kenyon Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Panther Creek	Approximately 850 feet downstream of U.S. Highway 23	Approximately 5,150 feet upstream of the Confluence of Stratford Tributary	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Panther Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Panther Creek Tributary 8	Confluence of Panther Creek	Approximately 2,420 feet upstream of Confluence of Panther Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Pates Creek	Approximately 600 feet downstream of CCWA Access Road	Approximately 3,580 feet upstream of Freeman Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Pates Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Pates Creek Tributary 3	Confluence of Pates Creek	Approximately 2,000 feet upstream of Confluence of Pates Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Pates Creek Tributary 3A	Confluence of Pates Creek Tributary 3	Approximately 6,100 feet upstream of Confluence of Pates Creek Tributary 3	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Pates Creek Tributary 4	Confluence of Pates Creek	Approximately 590 feet upstream of Confluence of Pates Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Poole Creek	Approximately 2,250 feet downstream of Interstate Highway 285	Approximately 3,350 feet upstream of Greenhill Way	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Poole Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Poole Creek Tributary	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Reeves Creek	Approximately 1,600 feet downstream of Confluence with Reeves Creek Tributary 2	Approximately 2,100 feet upstream of Mt. Zion Boulevard	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Reeves Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Reeves Creek Tributary 2	Confluence of Reeves Creek	Approximately 320 feet upstream of Mt. Zion Parkway	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Reeves Creek Tributary 4	Confluence of Reeves Creek	Approximately 780 feet upstream of Peridot Court	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Reeves Creek Tributary 5	Confluence of Reeves Creek	Approximately 2,900 feet upstream of Confluence of Reeves Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Reeves Creek Tributary 6	Confluence of Reeves Creek	Approximately 5,250 feet upstream of Confluence of Reeves Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Rum Creek	Approximately 300 feet downstream of Confluence of Rum Creek Tributary	Approximately 12,350 feet upstream of Confluence of Rum Creek Tributary	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Rum Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Rum Creek Tributary 3	Confluence of Rum Creek	Approximately 2,180 feet upstream of Betony Wood Trail	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Rum Creek Tributary 3A	Confluence of Rum Creek Tributary 3	Approximately 6,080 feet upstream of Thornton Boulevard	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Rum Creek Tributary A	Confluence of Rum Creek Tributary	Approximately 995 feet upstream Sky View Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Shoal Creek	Confluence of Flint River	Approximately 7,500 feet upstream of Panhandle Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Shoal Creek Control	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Shoal Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Shoal Creek Tributary 1	Confluence of Shoal Creek	Approximately 5,750 feet upstream of Shoal Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Shoal Creek Tributary 2	Confluence of Flint River	Approximately 7,500 feet upstream of Panhandle Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Stratford Tributary	Confluence of Panther Creek	Approximately 830 feet upstream of Confluence of Panther Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Stream CT	Downstream 310 feet Roberts Drive	Approximately 700 feet upstream of Roundtree Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Stream CT-A	Confluence of Stream C	Approximately 620 feet upstream of Confluence of Stream C	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Stream D	Approximately 700 feet downstream of Taylor Road	Approximately 750 feet upstream of Taylor Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Sullivan Creek	Confluence of Flint River	Approximately 310 feet upstream of Riverdale Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Sullivan Creek Tributary 1	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Swamp Creek	Confluence of Flint River	Approximately 6,250 feet upstream of Brown Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Swamp Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
Swamp Creek Tributary 1	Confluence of Swamp Creek	Approximately 3,800 feet upstream of Confluence of Swamp Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Swamp Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Tar Creek	Confluence of Big Cotton Indian Creek	Approximately 420 feet upstream of Landover Circle	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Unnamed Creeks and Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Upton Creek	Confluence of Big Cotton Indian Creek	Approximately 1,040 feet upstream of Forest Park	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Upton Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
Wallis Creek	Confluence of Flint River	Approximately 1,560 feet upstream of Labelle Street	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
Wallis Creek Tributaries	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	
West Tributary Jester Creek	Confluence of Jester Creek	At Springdale Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits		Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
	Downstream Limit	Upstream Limit					
York Creek	Confluence of Panther Creek	Approximately 1,200 feet upstream of Duffey Drive	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	AE	
York Tributary 1	N/A	N/A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	03/03/2014	A	

Table 14: Roughness Coefficients

Flooding Source	Channel “n”	Overbank “n”
Beaverdam Creek	0.035-0.100	0.035-0.750
Big Cotton Indian Creek	0.035-0.100	0.010-0.100
Camp Creek	0.035-0.100	0.030-0.100
Camp Creek Tributary 10	0.035	0.030-0.100
Camp Creek Tributary 12	0.035	0.030-0.100
Camp Creek Tributary 5	0.035	0.030-0.100
Conley Creek	0.035	0.030-0.100
Conley Creek Tributary 9	0.035-0.100	0.035-0.100
Conley Creek Tributary 9A	0.035	0.035-0.100
Connie Creek	0.035-0.100	0.035-0.100
Duffey Creek	0.035	0.075-0.100
Flint River	0.035-0.100	0.03-0.100
Flint River Tributary	0.035	0.100
Flint River Tributary 19	0.035	0.015-0.100
Flint River Tributary 25	0.035	0.075-0.100
Flint River Tributary 25B	0.035	0.035-0.100
Flint River Tributary 26	0.035-0.100	0.035-0.100
Flint River Tributary 26A	0.035-0.075	0.075-0.100
Flint River Tributary 29	0.035-0.100	0.035-0.100
Flint River Tributary A	0.035	0.100
Hurricane Creek	0.035-0.100	0.035-0.100
Jester Creek	0.035-0.100	0.030-0.100
Jester Creek Tributary 6	0.035-0.100	0.035-0.100
Mud River	0.035-0.100	0.015-0.100
Panther Creek	0.035-0.100	0.035-0.15
Panther Creek Tributary 8	0.035-0.100	0.100
Pates Creek	0.035-0.100	0.015-0.100
Pates Creek Tributary 3	0.035-0.100	0.035-0.100
Pates Creek Tributary 3A	0.035	0.100
Pates Creek Tributary 4	0.035-0.100	0.100
Poole Creek	0.035-0.100	0.015-0.100
Poole Creek Tributary	0.035-0.100	0.030-0.100
Reeves Creek	0.035-0.100	0.015-0.100

Table 14: Roughness Coefficients (Continued)

Flooding Source	Channel “n”	Overbank “n”
Reeves Creek Tributary 2	0.035-0.100	0.100
Reeves Creek Tributary 4	0.035	0.100
Reeves Creek Tributary 5	0.035	0.100
Reeves Creek Tributary 6	0.035	0.100
Rum Creek	0.035	0.100
Rum Creek Tributary	0.035	0.100
Rum Creek Tributary 3	0.015-0.100	0.015-0.100
Rum Creek Tributary 3A	0.035	0.030-0.100
Rum Creek Tributary A	0.035	0.100
Shoal Creek	0.035-0.040	0.035-0.100
Shoal Creek Tributary 1	0.035-0.050	0.035-0.075
Shoal Creek Tributary 2	0.035	0.100
Stratford Tributary	0.035-0.100	0.035-0.100
Sullivan Creek	0.035-0.050	0.030-0.100
Swamp Creek	0.035-0.100	0.015-0.100
Swamp Creek Tributary 1	0.035	0.050-0.100
Tar Creek	0.035	0.035-0.100
Upton Creek	0.035-0.100	0.030-0.100
Wallis Creek	0.035	0.015-0.100
York Creek	0.035-0.100	0.035-0.100

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

[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]

SECTION 6.0 – MAPPING METHODS

6.1 Vertical and Horizontal Control

All FIS Reports and FIRMs are referenced to a specific vertical datum. The vertical datum provides a starting point against which flood, ground, and structure elevations can be referenced and compared. Until recently, the standard vertical datum used for newly created or revised FIS Reports and FIRMs was the National Geodetic Vertical Datum of 1929 (NGVD29). With the completion of the North American Vertical Datum of 1988 (NAVD88), many FIS Reports and FIRMs are now prepared using NAVD88 as the referenced vertical datum.

Flood elevations shown in this FIS Report and on the FIRMs are referenced to NAVD88. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between NGVD29 and NAVD88 or other datum conversion, 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

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

To obtain current elevation, description, and/or location information for benchmarks in the area, please contact information services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov.

The datum conversion locations and values that were calculated for Clayton County are provided in Table 20.

Table 20: Countywide Vertical Datum Conversion

Quadrangle Name	Quadrangle Corner	Latitude	Longitude	Conversion from NGVD29 to NAVD 88 (feet)
Riverdale	NW	33.63	-84.50	0.164 feet
Riverdale	NE	33.63	-84.38	0.203 feet
Jonesboro	NE	33.63	-84.25	0.177 feet
Jonesboro	SE	33.50	-84.25	0.095 feet
Riverdale	SE	33.50	-84.38	0.102 feet
Hampton	SW	33.38	-84.38	0.046 feet
Average Conversion from NGVD29 to NAVD88 = -0.131 feet				

Table 21: Stream-by-Stream Vertical Datum Conversion
[Not Applicable to this Flood Risk Project]

6.2 Base Map

The FIRMs and FIS Report for this project have been produced in a digital format. The flood hazard information was converted to a Geographic Information System (GIS) format that meets FEMA’s FIRM database specifications and geographic information standards. This information is provided in a digital format so that it can be incorporated into a local GIS and be accessed more easily by the community. The FIRM Database includes most of the tabular information contained in the FIS Report in such a way that the data can be associated with pertinent spatial features. For example, the information contained in the Floodway Data table and Flood Profiles can be linked to the cross sections that are shown on the FIRMs. Additional information about the FIRM Database and its contents can be found in FEMA’s *Guidelines and Standards for Mapping Partners*, Appendix L.

Base map information shown on the FIRM was derived from the sources described in Table 22.

Table 22: Base Map Sources

Data Type	Data Provider	Data Date	Data Scale	Data Description
Clayton County GIS Data	CH2MHILL	2014	1:24,000	Basemap and Digital Orthophoto

6.3 Floodplain and Floodway Delineation

The FIRM shows tints, screens, and symbols to indicate floodplains and floodways as well as the locations of selected cross sections used in the hydraulic analyses and floodway computations.

For riverine flooding sources, the mapped floodplain boundaries shown on the FIRM have been delineated using the flood elevations determined at each cross section; between cross sections, the boundaries were interpolated using the topographic elevation data described in Table 23.

In cases where the 1% and 0.2% annual chance floodplain boundaries are close together, only the 1% annual chance floodplain boundary has been shown. Small areas within the floodplain boundaries may lie above the flood elevations but cannot be shown due to limitations of the map scale and/or lack of detailed topographic data.

The floodway widths presented in this FIS Report and on the FIRM were computed for certain stream segments on the basis of equal conveyance reduction from each side of the floodplain. Floodway widths were computed at cross sections. Between cross sections, the floodway boundaries were interpolated. Table 2 indicates the flooding sources for which floodways have been determined. The results of the floodway computations for those flooding sources have been tabulated for selected cross sections and are shown in Table 24, “Floodway Data.”

Table 23: Summary of Topographic Elevation Data used in Mapping

Community	Flooding Source	Source for Topographic Elevation Data			
		Description	Scale	Contour Interval	Citation
Clayton County and incorporated Areas	All within HUC 03070103	East Watershed	1:24,000	2 ft	STUDY1
Clayton County and incorporated Areas	All within HUC 03130005	West Watershed	1:24,000	2 ft	STUDY1

BFEs shown at cross sections on the FIRM represent the 1% annual chance water surface elevations shown on the Flood Profiles and in the Floodway Data tables in the FIS Report.

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	5,436	105	370	5.9	800.5	800.5	800.8	0.3
B	7,488	150	493	4.5	809.6	809.6	809.7	0.1
C	8,056	92	334	6.6	818.8	818.8	818.9	0.1
D	9,937	214	1,076	2.0	822.0	822.0	822.6	0.6
E	10,929	158	893	2.5	824.9	824.9	825.8	0.9
F	11,360	157	1,214	1.8	830.7	830.7	831.2	0.5
G	13,933	160	375	5.9	835.5	835.5	835.7	0.2
H	14,934	193	386	5.7	841.3	841.3	841.4	0.1
I	15,929	114	455	4.8	848.9	848.9	849.2	0.3
J	16,719	56	257	8.5	855.6	855.6	856.2	0.6

¹Feet above confluence with Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: BEAVERDAM CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,740	126	842	10.6	750.5	750.5	751.3	0.8
B	4,414	218	1,259	5.3	758.9	758.9	759.7	0.8
C	5,916	156	1,299	5.2	769.9	769.9	770.2	0.3
D	6,796	190	1,931	3.5	773.5	773.5	774.1	0.6
E	8,170	173	2,008	2.4	785.9	785.9	786.9	1.0
F	12,026	990	5,429	0.9	789.4	789.4	790.1	0.7
G	14,667	370	955	4.9	794.0	794.0	794.4	0.4
H	17,186	244	1,137	2.5	801.9	801.9	802.9	1.0
I	19,414	220	870	3.2	811.7	811.7	812.6	0.9

¹Feet above county boundary

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: BIG COTTON INDIAN CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,166	300 / 210 ²	2,104	2.9	792.6	792.6	793.6	1.0
B	7,415	389	2,459	2.4	798.5	798.5	799.5	1.0
C	10,954	331	2,352	2.5	805.2	805.2	806.2	1.0
D	15,476	346 / 269 ²	1,051	5.7	812.4	812.4	812.4	0.0
E	16,400	260 / 105 ²	2,367	2.5	817.5	817.5	817.5	0.0
F	20,154	309 / 74 ²	2,790	2.1	822.0	822.0	822.6	0.6
G	21,770	1,227/ 356 ²	10,663	0.6	822.1	822.1	822.8	0.7
H	24,025	450 / 218 ²	2,759	1.4	822.7	822.7	823.5	0.8
I	26,899	460 / 320 ²	1,091	3.7	824.2	824.2	825.2	1.0
J	28,573	294 / 210 ²	1,145	3.5	829.3	829.3	830.2	0.9
K	29,619	220	1,009	3.9	833.5	833.5	833.5	0.0
L	32,037	148	878	4.5	835.6	835.6	835.9	0.3
M	34,008	319	863	4.6	838.9	838.9	839.6	0.7
N	35,838	163	580	6.7	843.5	843.5	844.2	0.7
O	37,770	284	2,055	1.8	850.7	850.7	851.7	1.0
P	40,043	163	650	5.3	854.1	854.1	854.9	0.8
Q	42,055	109	427	8.1	859.1	859.1	859.1	0.0
R	44,416	355	1,054	3.3	865.1	865.1	865.6	0.5
S	45,277	307	1,982	1.7	871.2	871.2	871.8	0.6
T	46,529	150	766	4.2	871.6	871.6	872.6	1.0
U	48,796	372	1,541	2.0	881.8	881.8	881.9	0.1

¹Feet above confluence with Flint River

²Total width/ Width within county

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY CLAYTON COUNTY, GA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: CAMP CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	729	61	328	8.6	834.9	833.3 ²	834.0	0.7
B	1,530	61	592	4.8	842.2	842.2	842.3	0.1
C	3,002	59	757	3.7	847.2	847.2	847.2	0.0
D	4,521	251	1,175	1.8	848.1	848.1	848.4	0.3
E	5,616	190	476	4.5	850.0	850.0	850.3	0.3
F	6,786	319	2,297	0.9	860.8	860.8	861.8	1.0
G	8,039	140	297	5.7	862.7	862.7	863.1	0.4
H	9,236	86	259	4.8	867.7	867.7	867.8	0.1
I	9,934	24	158	7.9	870.2	870.2	871.1	0.9
J	10,572	41	290	4.3	873.6	873.6	874.5	0.9

¹Feet above confluence with Camp Creek

²Elevation computed without consideration of backwater effects from Camp Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CLAYTON COUNTY, GA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CAMP CREEK TRIBUTARY 5

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	203	50	101	6.3	853.8	852.0 ²	852.0	0.0
B	1,251	210	476	1.4	867.4	867.4	867.4	0.0
C	2,931	24	68	9.5	894.6	894.6	894.8	0.2

¹Feet above confluence with Camp Creek

²Elevation computed without consideration of backwater effects from Camp Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CAMP CREEK TRIBUTARY 10

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	883	344 / 120 ²	2,708	1.7	793.9	793.0	794.0	1.0
B	1,827	341 / 234 ²	2,058	2.2	797.5	793.3	794.3	1.0
C	3,834	342 / 339 ²	743	5.9	806.3	803.2	803.2	0.0
D	6,415	105	1,358	3.2	810.1	806.1	806.5	0.4
E	7,299	63	542	8.1	820.8	812.1	812.1	0.0
F	8,530	205	360	12.2	827.0	819.0	819.0	0.0
G	11,213	60	779	5.5	833.2	828.4	829.0	0.6
H	12,191	84	902	4.0	838.4	835.3	836.3	1.0
I	12,589	100	556	6.4	840.3	838.4	839.4	1.0
J	13,555	103	654	5.4	841.6	839.5	839.9	0.4
K	13,833	55	981	3.5	841.9	840.3	841.2	0.9
L	14,950	90	722	4.7	846.4	841.6	842.5	0.9

¹Feet above county boundary

²Total width/ Width within county

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CLAYTON COUNTY, GA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CONLEY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	179	142	663	1.3	859.7	857.4 ²	857.4	0.0
B	1,759	212	1,402	0.6	863.4	863.4	863.5	0.1
C	2,757	150	685	1.2	863.6	863.6	863.8	0.2
D	3,779	23	78	10.7	865.5	865.5	865.5	0.0
E	4,392	30	139	6.0	870.3	870.3	870.3	0.0

¹Feet above confluence with North Fork Jester Creek

²Elevation computed without consideration of backwater effects from Jester Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CONNIE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	134	16	38	8.8	850.5	843.4 ²	844.0	0.6
B	744	18	52	6.4	856.1	856.1	856.8	0.7
C	1,182	18	39	8.5	869.7	869.7	870.4	0.7

¹Feet above confluence with York Creek

²Elevation computed without consideration of backwater effects from York Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: DUFFEY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,564	705 / 329 ²	8,060	3.0	759.4	759.4	760.3	0.9
B	4,254	547 / 278 ²	5,817	4.2	761.7	761.7	762.5	0.8
C	5,376	323 / 155 ²	4,505	5.4	763.5	763.5	764.2	0.7
D	8,091	710 / 537 ²	9,878	2.5	765.1	765.1	766.0	0.9
E	10,367	1,191/1,063 ²	12,465	2.0	765.7	765.7	766.6	0.9
F	13,883	1,053 / 92 ²	12,744	1.9	766.7	766.7	767.6	0.9
G	15,858	1,092 / 87 ²	13,630	1.8	767.3	767.3	768.2	0.9
H	18,313	903 / 538 ²	10,391	2.3	768.2	768.2	769.1	0.9
I	19,757	405 / 6 ²	5,538	4.4	769.3	769.3	770.2	0.9
J	19,888	447 / 34 ²	6,094	4.0	770.0	770.0	770.8	0.8
K	22,624	1,820 / 828 ²	24,163	1.0	771.1	771.1	772.1	1.0
L	25,302	2,348/1,562 ²	28,047	0.9	771.5	771.5	772.5	1.0
M	31,964	1,540/ 487 ²	14,491	1.7	773.6	773.6	774.5	0.9
N	33,945	510 / 289 ²	5,664	4.3	774.5	774.5	775.5	1.0
O	37,902	600	7,164	3.4	779.6	779.6	780.5	0.9
P	38,056	475	6,612	3.7	780.0	780.0	781.0	1.0
Q	38,996	499	8,787	2.8	781.2	781.2	782.1	0.9
R	40,878	470	6,795	3.6	782.0	782.0	782.9	0.9
S	42,375	1,390	19,698	1.2	782.8	782.8	783.8	1.0
T	44,391	248	3,895	6.2	782.9	782.9	783.8	0.9
U	47,388	2,005	35,604	0.7	785.8	785.8	786.8	1.0

¹Feet above county boundary

²Total width/ Width within county

TABLE
24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CLAYTON COUNTY, GA

FLOODWAY DATA

AND INCORPORATED AREAS

FLOODING SOURCE: FLINT RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
V	50,681	2,121	35,901	0.7	785.9	785.9	786.9	1.0
W	56,639	1,654/1,181 ²	24,456	1.0	786.1	786.1	787.1	1.0
X	59,661	779 / 198 ²	10,448	2.3	786.7	786.7	787.7	1.0
Y	62,343	1,000/ 523 ²	13,967	1.7	787.8	787.8	788.8	1.0
Z	63,926	1,622	15,130	1.6	788.0	788.0	788.9	0.9
AA	66,326	1,937/ 430 ²	24,220	1.0	788.6	788.6	789.6	1.0
AB	72,380	451 / 291 ²	4,629	3.8	790.9	790.9	791.8	0.9
AC	73,454	1,096/ 994 ²	11,245	1.6	791.9	791.9	792.9	1.0
AD	74,783	855 / 753 ²	8,038	2.2	792.6	792.6	793.5	0.9
AE	77,298	884	10,529	1.4	795.4	795.4	796.0	0.6
AF	78,784	409	4,513	3.3	796.2	796.2	796.9	0.7
AG	82,155	1,155	11,529	1.3	797.0	797.0	797.9	0.9
AH	84,098	833	7,503	2.0	797.9	797.9	798.8	0.9
AI	85,286	576	5,966	2.5	798.9	798.9	799.9	1.0
AJ	88,224	620	6,255	2.3	800.9	800.9	801.8	0.9
AK	89,585	704	6,244	2.4	802.1	802.1	803.0	0.9
AL	91,476	1,157	9,141	1.6	803.3	803.3	804.2	0.9
AM	93,082	648	6,462	2.2	807.0	807.0	807.5	0.5
AN	95,197	1,134	10,547	1.4	807.5	807.5	808.3	0.8
AO	97,189	612	4,884	2.9	808.9	808.9	809.8	0.9
AP	98,702	515	4,647	3.1	811.5	811.5	812.3	0.8

¹Feet above county boundary

²Total width/ Width within county

TABLE
24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CLAYTON COUNTY, GA

FLOODWAY DATA

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AQ	99,804	564	7,085	2.0	816.3	816.3	816.4	0.1
AR	100,608	658	6,976	2.1	816.7	816.7	816.7	0.0
AS	102,171	337	3,709	3.7	818.3	818.3	818.6	0.3
AT	103,361	747	8,055	1.7	818.9	818.9	819.6	0.7
AU	104,760	303	3,236	4.2	819.7	819.7	820.4	0.7
AV	105,663	754	8,437	1.6	820.8	820.8	821.7	0.9
AW	107,271	550	4,988	2.7	821.7	821.7	822.4	0.7
AX	108,850	712	6,430	2.1	823.0	823.0	823.6	0.6
AY	109,336	619	7,065	1.9	825.0	825.0	825.6	0.6
AZ	111,339	806	7,901	1.7	825.9	825.9	826.6	0.7
BA	112,369	1,057	9,592	1.4	826.3	826.3	827.0	0.7
BB	113,337	714	6,189	2.2	826.7	826.7	827.6	0.9
BC	115,424	877	7,330	1.9	828.7	828.7	829.6	0.9
BD	116,360	1,184	7,467	1.8	829.4	829.4	830.3	0.9
BE	117,964	632	3,339	4.1	830.6	830.6	831.4	0.8
BF	118,136	671	5,809	2.3	833.6	833.6	834.5	0.9
BG	119,211	662	5,969	2.3	834.7	834.7	835.5	0.8
BH	120,176	789	6,008	2.3	835.5	835.5	836.5	1.0
BI	122,351	956	7,475	1.8	838.1	838.1	839.1	1.0
BJ	123,245	754	5,486	2.5	838.7	838.7	839.7	1.0
BK	124,469	650	2,911	2.6	840.3	840.3	841.2	0.9

¹Feet above county boundary

TABLE
24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CLAYTON COUNTY, GA

FLOODWAY DATA

AND INCORPORATED AREAS

FLOODING SOURCE: FLINT RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BL	127,258	245	1,124	5.2	844.0	844.0	845.0	1.0
BM	128,893	127	847	6.8	847.0	847.0	847.5	0.5
BN	129,895	188	1,095	5.3	848.8	848.8	849.1	0.3
BO	131,270	154	849	6.8	850.5	850.5	850.8	0.3
BP	131,823	324	1,682	3.4	854.2	854.2	854.3	0.1
BQ	133,250	120	1,058	1.9	855.6	855.6	855.7	0.1
BR	134,121	75	240	8.5	858.9	858.9	858.9	0.0
BS	134,619	49	275	7.4	862.5	862.5	862.6	0.1
BT	135,128	67	357	5.7	865.5	865.5	865.5	0.0
BU	136,642	98	531	3.8	867.3	867.3	867.3	0.0
BV	138,007	61	569	3.6	872.2	872.2	872.2	0.0
BW	138,965	72	367	5.5	876.1	876.1	876.1	0.0
BX	139,643	66	468	4.3	879.7	879.7	879.7	0.0
BY	140,277	65	202	10.0	880.8	880.8	880.8	0.0

¹Feet above county boundary

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: FLINT RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	824	90	390	1.7	804.3	804.3	805.2	0.9
B	1,530	37	80	8.3	809.3	809.3	809.4	0.1
C	2,650	45	146	4.6	815.5	815.5	816.5	1.0

¹Feet above confluence with Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FLINT RIVER TRIBUTARY 21

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	7,294	129	288	5.0	859.7	859.7	860.2	0.5
B	7,542	275	2,122	0.7	866.4	866.4	867.4	1.0

¹Feet above confluence with Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FLINT RIVER TRIBUTARY 25

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,688	99	316	2.9	864.2	864.2	865.2	1.0
B	1,919	65	392	2.4	870.9	870.9	871.7	0.8
C	2,270	181	743	1.2	870.9	870.9	871.8	0.9
D	3,011	78	284	3.3	875.6	875.6	876.6	1.0
E	3,306	116	478	1.9	880.2	880.2	880.2	0.0
F	4,090	125	233	4.0	885.0	885.0	885.1	0.1
G	4,876	37	125	7.4	890.7	890.7	891.0	0.3
H	5,657	40	143	6.4	908.0	908.0	909.0	1.0

¹Feet above confluence with Flint River Tributary 25

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FLINT RIVER TRIBUTARY 25B

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	5,451	30	64	0.6	853.2	853.2	854.2	1.0
B	6,267	75	184	2.3	854.2	854.2	855.0	0.8
C	7,269	35	63	6.6	862.6	862.6	862.8	0.2
D	7,866	30	65	6.4	869.7	869.7	870.6	0.9
E	8,750	87	408	0.9	889.0	889.0	890.0	1.0
F	9,009	29	70	5.9	890.8	890.8	891.0	0.2

¹Feet above confluence with Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FLINT RIVER TRIBUTARY 26

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	363	19	71	7.8	861.3	859.5 ²	860.3	0.8
B	804	52	71	7.8	864.4	864.4	864.5	0.1
C	1,626	33	119	4.7	871.2	871.2	871.3	0.1

¹Feet above confluence with Flint River Tributary 26

²Elevation computed without consideration of backwater effects from Flint River 26

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FLINT RIVER TRIBUTARY 26A

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,962	102	482	4.4	846.2	846.2	846.9	0.7
B	2,929	125	481	4.4	848.4	848.4	848.9	0.5
C	4,163	139	398	4.4	856.8	856.8	857.0	0.2
D	5,275	71	554	3.2	865.9	865.9	866.9	1.0
E	6,494	165	1,012	1.7	873.6	873.6	874.6	1.0
F	8,748	37	101	8.5	878.8	878.8	879.4	0.6

¹Feet above confluence with Flint River

²Elevation computed without consideration of backwater effects from Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FLINT RIVER TRIBUTARY 29

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,114	217	938	3.7	785.8	783.1 ²	784.0	0.9
B	8,578	183	1,619	2.2	804.1	804.1	804.1	0.0
C	12,762	300	2,187	1.4	817.1	817.1	817.2	0.1
D	13,278	178	1,419	2.1	817.2	817.2	817.3	0.1
E	13,793	289	1,029	1.2	817.2	817.2	817.5	0.3
F	15,886	177	1,055	1.2	831.8	831.8	832.2	0.4
G	16,365	113	429	3.0	832.1	832.1	832.4	0.3
H	17,764	120	305	4.2	835.3	835.3	836.0	0.7
I	19,815	79	294	1.8	846.7	846.7	847.0	0.3
J	20,598	49	271	2.0	854.8	854.8	855.4	0.6
K	21,805	27	208	2.6	868.7	868.7	868.8	0.1
L	22,851	29	267	2.0	887.9	887.9	888.5	0.6

¹Feet above confluence with Flint River

²Elevation computed without consideration of backwater effects from Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: HURRICANE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,070	470	2,425	2.4	816.7	811.2 ²	812.2	1.0
B	2,488	389	1,926	3.0	816.7	813.8 ²	814.7	0.9
C	3,264	231	1,080	5.4	816.7	815.2 ²	816.0	0.8
D	3,662	206	1,543	3.8	817.9	817.9	818.2	0.3
E	3,814	119	639	9.1	818.2	818.2	818.2	0.0
F	3,996	72	706	8.2	821.7	821.7	821.8	0.1
G	5,705	450	3,489	1.7	823.3	823.3	824.3	1.0
H	7,158	440	2,873	2.0	824.5	824.5	825.3	0.8
I	9,260	580	4,728	1.2	830.6	830.6	830.6	0.0
J	11,315	302	1,607	3.6	832.2	832.2	832.9	0.7
K	12,808	275	1,414	4.1	835.5	835.5	836.4	0.9
L	14,626	792	3,038	0.9	838.4	838.4	839.4	1.0
M	16,689	199	746	3.7	842.4	842.4	843.0	0.6
N	17,421	475	3,288	0.8	847.2	847.2	848.1	0.9
O	18,772	230	858	3.2	849.2	849.2	850.1	0.9
P	20,032	155	476	5.7	855.7	855.7	856.0	0.3
Q	20,665	546	3,710	0.7	859.9	859.9	860.9	1.0
R	21,685	600	11,983	0.2	875.6	875.6	876.4	0.8
S	24,081	265	3,178	0.9	875.6	875.6	876.5	0.9
T	26,769	139	318	8.6	877.0	877.0	877.6	0.6
U	27,204	170	813	3.4	882.8	882.8	883.2	0.4
V	29,012	195	492	3.7	884.7	884.7	885.2	0.5

¹Feet above confluence with Flint River

²Elevation computed without consideration of backwater effects from Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: JESTERS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,242	680	3,324	2.2	839.2	839.2	840.2	1.0
B	3,338	227	1,085	6.7	847.3	847.3	847.5	0.2
C	5,107	195	1,481	4.8	854.6	854.6	854.7	0.1
D	7,144	475	2,541	2.8	858.6	858.6	858.6	0.0
E	9,027	310	1,891	3.8	865.6	865.6	865.8	0.2
F	11,492	105	2,230	2.4	884.5	884.5	885.4	0.9
G	13,847	500	12,059	0.6	897.5	897.5	898.3	0.8
H	15,289	162	3,493	2.2	897.5	897.5	898.4	0.9
I	16,104	238	4,713	1.6	903.1	903.1	903.9	0.8

¹Feet above confluence with Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: MUD CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,627	84	657	4.2	854.1	854.1 ²	854.9	0.8
B	3,621	82	566	4.9	855.3	855.3	856.0	0.7
C	4,330	82	495	5.6	856.8	856.8	857.1	0.3
D	5,657	81	597	4.2	862.7	862.7	862.8	0.1
E	6,496	154	1,737	1.4	867.3	867.3	868.0	0.7
F	7,573	330	3,151	0.8	867.3	867.3	868.2	0.9
G	8,520	296	1,334	1.9	868.7	868.7	869.4	0.7
H	10,219	264	1,265	2.0	869.1	869.1	870.1	1.0
I	11,433	188	633	3.9	872.1	872.1	872.9	0.8
J	12,053	80	393	6.3	874.8	874.8	875.3	0.5
K	12,613	73	377	6.6	876.5	876.5	877.5	1.0
L	12,730	65	305	8.1	878.3	878.3	878.9	0.6
M	14,106	195	976	2.5	884.3	884.3	884.8	0.5

¹Feet above confluence with Jesters Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: NORTH FORK JESTER CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,825	289	1,438	2.5	752.2	752.2	753.2	1.0
B	4,562	285	1,840	1.9	758.4	758.4	758.6	0.2
C	7,369	358	1,418	2.4	761.8	761.8	762.7	0.9
D	9,109	180	1,133	3.0	768.4	768.4	769.3	0.9
E	12,007	75	389	8.2	775.4	775.4	776.2	0.8
F	15,211	273	1,166	2.5	781.2	781.2	782.1	0.9
G	16,352	79	371	7.8	784.3	784.3	785.1	0.8
H	18,390	78	371	7.4	791.6	791.6	791.6	0.0
I	21,745	325	2,595	1.1	802.2	802.2	803.1	0.9
J	23,914	255	906	3.0	807.7	807.7	808.6	0.9
K	26,048	64	298	9.2	819.8	819.8	819.9	0.1

¹Feet above county boundary

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: PANTHER CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,504	69	284	6.3	775.8	775.8	776.8	1.0
B	4,183	59	249	3.7	783.6	783.6	783.6	0.0
C	8,603	23	88	10.6	803.0	803.0	804.0	1.0

¹Feet above county boundary

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: PATES CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,360	83	441	7.0	795.2	795.2	796.2	1.0
B	5,950	187	1,374	2.3	810.5	810.5	811.3	0.8
C	9,354	146	852	3.6	826.5	826.5	826.9	0.4
D	9,517	213	1,997	1.6	829.8	829.8	830.6	0.8
E	11,687	178	860	3.4	834.0	834.0	834.4	0.4
F	14,228	157	230	3.5	844.7	844.7	844.8	0.1
G	15,186	21	97	8.2	852.9	852.9	853.2	0.3
H	16,149	53	430	1.9	870.5	870.5	871.5	1.0

¹Feet above county boundary

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: REEVES CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	924	104	252	2.8	843.1	843.1	844.1	1.0
B	1,090	101	165	4.3	845.3	845.3	845.3	0.0
C	1,267	35	234	3.1	850.9	850.9	851.7	0.8
D	1,594	19	124	5.8	851.2	851.2	851.9	0.7
E	1,952	18	81	8.9	852.3	852.3	853.2	0.9
F	2,455	17	73	9.9	857.8	857.8	858.1	0.3
G	2,877	18	93	7.7	861.5	861.5	862.1	0.6
H	3,109	51	101	7.1	864.0	864.0	864.0	0.0
I	3,220	59	339	2.1	868.1	868.1	869.0	0.9
J	3,801	17	70	10.3	871.5	871.5	871.5	0.0
K	4,198	63	147	4.9	877.7	877.7	878.7	1.0
L	4,453	26	75	9.6	884.6	884.6	884.8	0.2

¹Feet above confluence with Panther Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: STRATFORD TRIBUTARY

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,565 ¹	61	309	2.0	875.5	875.5	875.5	0.0
B	3,920 ¹	11	128	9.3	899.6	899.6	899.6	0.0
C	4,125 ¹	30	58	4.4	901.6	901.6	901.6	0.0
D	4,780 ¹	84	84	3.1	914.2	914.2	914.2	0.0

¹Feet above confluence with Flint River Tributary 25

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: STREAM CT

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	195	500	2,790	0.0	904.9	904.9	904.9	0.0
B	313	440	1,980	0.0	904.9	904.9	904.9	0.0
C	603	310	900	0.1	906.0	906.0	906.0	0.0

¹Feet above confluence with Flint River Tributary 25

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: STREAM CT-A

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	131	98	84	1.8	892.7	892.7	892.7	0.0
B	334	9	18	8.4	894.1	894.1	894.1	0.0
C	600	96	58	1.5	902.5	902.5	902.5	0.0

¹Feet above confluence with Flint River Tributary 29

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: STREAM D

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,098	47	404	11.7	854.5	853.6 ²	854.1	0.5
B	2,707	40	461	10.3	860.5	860.5	861.0	0.5
C	3,297	85	1,056	4.5	866.3	866.3	866.9	0.6
D	4,265	105	970	4.9	874.1	874.1	874.1	0.0
E	5,758	54	728	6.5	875.8	875.8	876.2	0.4
F	7,288	96	553	10.1	877.4	877.4	878.3	0.9
G	8,627	102	788	7.1	891.8	891.8	892.7	0.9
H	9,660	92	678	8.3	898.6	898.6	899.1	0.5
I	10,563	242	2,108	2.7	903.0	903.0	904.0	1.0
J	13,196	104	1,596	3.5	917.0	917.0	918.0	1.0
K	13,934	305	4,996	1.1	928.5	928.5	929.5	1.0

¹Feet above confluence with Flint River

²Elevation computed without consideration of backwater effects from Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SULLIVAN CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	698	390	1,016	2.4	790.1	785.3 ²	785.8	0.5
B	4,353	26	249	10.0	794.2	794.2	794.9	0.7
C	4,458	43	457	5.4	796.0	796.0	796.7	0.7
D	4,725	100	715	3.5	805.3	805.3	805.8	0.5
E	7,294	230	990	2.5	807.1	807.1	807.9	0.8
F	9,285	246	922	2.7	812.1	812.1	813.1	1.0
G	11,536	173	676	3.7	820.9	820.9	821.9	1.0
H	11,683	145	1,114	2.2	826.4	826.4	826.7	0.3
I	14,138	119	349	2.2	830.8	830.8	831.7	0.9
J	16,242	43	119	6.4	844.6	844.6	845.1	0.5

¹Feet above confluence with Flint River

²Elevation computed without consideration of backwater effects from Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SWAMP CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,970	82	451	4.8	775.8	775.8	776.7	0.9
B	6,412	95	320	6.7	791.2	791.2	791.3	0.1

¹Feet above confluence with Big Cotton Indian Creek

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY CLAYTON COUNTY, GA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: TAR CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,479	104	665	5.1	808.1	808.1	808.2	0.1
B	5,853	36	236	14.3	819.6	819.6	819.7	0.1

¹Feet above confluence with Big Cotton Indian Creek

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY CLAYTON COUNTY, GA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: UPTON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,271	198	630	4.0	793.4	793.4	793.6	0.2
B	5,858	65	490	4.9	804.4	804.4	805.3	0.9
C	8,435	115	359	6.3	812.6	812.6	812.7	0.1
D	10,731	31	177	7.7	826.2	826.2	827.2	1.0
E	13,233	47	109	8.6	855.8	855.8	855.9	0.1
F	13,815	40	150	1.9	862.9	862.9	863.0	0.1
G	15,315	42	48	6.0	892.3	892.3	892.3	0.0

¹Feet above confluence with Flint River

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: WALLIS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FT NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FT)	SECTION AREA (SQ. FT)	MEAN VELOCITY (FT / SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	4,155	32	97	9.1	836.1	836.1	836.3	0.2
B	4,510	38	118	7.5	841.6	841.6	841.6	0.0
C	4,626	61	795	1.1	850.5	850.5	851.4	0.9
D	4,994	40	97	2.9	850.5	850.5	851.5	1.0
E	5,347	25	41	6.7	851.9	851.9	852.1	0.2
F	5,607	30	59	4.7	854.5	854.5	854.7	0.2
G	6,134	55	101	2.7	866.7	866.7	867.2	0.5

¹Feet above confluence with Panther Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLAYTON COUNTY, GA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: YORK CREEK

Table 25: Flood Hazard and Non-Encroachment Data for Selected Streams
[Not Applicable to this Flood Risk Project]

6.4 Coastal Flood Hazard Mapping

This section is not applicable to this Flood Risk Project.

Table 26: Summary of Coastal Transect Mapping Considerations
[Not Applicable to this Flood Risk Project]

6.5 FIRM Revisions

This FIS Report and the FIRM are based on the most up-to-date information available to FEMA at the time of its publication; however, flood hazard conditions change over time. Communities or private parties may request flood map revisions at any time. Certain types of requests require submission of supporting data. FEMA may also initiate a revision. Revisions to FIS projects may take several forms, including Letters of Map Amendment (LOMAs), Letters of Map Revision Based on Fill (LOMR-Fs), Letters of Map Revision (LOMRs) (referred to collectively as Letters of Map Change (LOMCs)), Physical Map Revisions (PMRs), and FEMA-contracted restudies. These types of revisions are further described below. Some of these types of revisions do not result in the republishing of the FIS Report. To assure that any user is aware of all revisions, it is advisable to contact the community repository of flood-hazard data (shown in Table 31, “Map Repositories”).

6.5.1 Letters of Map Amendment

A LOMA is an official revision by letter to an effective NFIP map. A LOMA results from an administrative process that involves the review of scientific or technical data submitted by the owner or lessee of property who believes the property has incorrectly been included in a designated SFHA. A LOMA amends the currently effective FEMA map and establishes that a specific property is not located in a SFHA. A LOMA cannot be issued for properties located on the PFD (primary frontal dune).

To obtain an application for a LOMA, visit <http://www.fema.gov> and download the form “MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill”. Visit the “Flood Map-Related Fees” section to determine the cost, if any, of applying for a LOMA.

FEMA offers a tutorial on how to apply for a LOMA. The LOMA Tutorial Series can be accessed at http://www.fema.gov/plan/prevent/fhm/ot_lmreq.shtm.

For more information about how to apply for a LOMA, call the FEMA Map Information eXchange; toll free, at 1-877-FEMA MAP (1-877-336-2627).

6.5.2 Letters of Map Revision Based on Fill

A LOMR-F is an official revision by letter to an effective NFIP map. A LOMR-F states FEMA’s determination concerning whether a structure or parcel has been elevated on fill above the base flood elevation and is, therefore, excluded from the SFHA.

Information about obtaining an application for a LOMR-F can be obtained in the same manner as that for a LOMA, by visiting <http://www.fema.gov> for the “MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill” or by calling the FEMA Map Information eXchange, toll free, at 1-877-FEMA MAP (1-877-336-2627). Fees for applying for a LOMR-F, if any, are listed in the “Flood Map-Related Fees” section.

A tutorial for LOMR-F is available at http://www.fema.gov/plan/prevent/fhm/ot_lmreq.shtm.

6.5.3 Letters of Map Revision

A LOMR is an official revision to the currently effective FEMA map. It is used to change flood zones, floodplain and floodway delineations, flood elevations and planimetric features. All requests for LOMRs should be made to FEMA through the chief executive officer of the community, since it is the community that must adopt any changes and revisions to the map. If the request for a LOMR is not submitted through the chief executive officer of the community, evidence must be submitted that the community has been notified of the request.

To obtain an application for a LOMR, visit <http://www.fema.gov> and download the form “MT-2 Application Forms and Instructions for Conditional Letters of Map Revision and Letters of Map Revision”. Visit the “Flood Map-Related Fees” section to determine the cost of applying for a LOMR. For more information about how to apply for a LOMR, call the FEMA Map Information eXchange; toll free, at 1-877-FEMA MAP (1-877-336-2627) to speak to a Map Specialist.

Previously issued mappable LOMCs (including LOMRs) that have been incorporated into the Clayton County FIRM are listed in Table .

Table 27: Incorporated Letters of Map Change

[Not Applicable to this Flood Risk Project]

6.5.4 Physical Map Revisions

PMRs are an official republication of a community’s NFIP map to effect changes to base flood elevations, floodplain boundary delineations, regulatory floodways and planimetric features. These changes typically occur as a result of structural works or improvements, annexations resulting in additional flood hazard areas or correction to base flood elevations or SFHAs.

The community’s chief executive officer must submit scientific and technical data to FEMA to support the request for a PMR. The data will be analyzed and the map will be revised if warranted. The community is provided with copies of the revised information and is afforded a review period. When the base flood elevations are changed, a 90-day appeal period is provided. A 6-month adoption period for formal approval of the revised map(s) is also provided.

For more information about the PMR process, please visit <http://www.fema.gov> and visit the “Flood Map Revision Processes” section.

6.5.5 Contracted Restudies

The NFIP provides for a periodic review and restudy of flood hazards within a given community. FEMA accomplishes this through a national watershed-based mapping needs assessment strategy, known as the Coordinated Needs Management Strategy (CNMS). The CNMS is used by FEMA to assign priorities and allocate funding for new flood hazard analyses used to update the FIS Report and FIRM. The goal of CNMS is to define the validity of the engineering study data within a

mapped inventory. The CNMS is used to track the assessment process, document engineering gaps and their resolution, and aid in prioritization for using flood risk as a key factor for areas identified for flood map updates. Visit www.fema.gov to learn more about the CNMS or contact the FEMA Regional Office listed in Section 8 of this FIS Report.

6.5.6 Community Map History

The current FIRM presents flooding information for the entire geographic area of Clayton County. Previously, separate FIRMs, Flood Hazard Boundary Maps (FHBM) and/or Flood Boundary and Floodway Maps (FBFM) may have been prepared for the incorporated communities and the unincorporated areas in the county that had identified SFHAs. Current and historical data relating to the maps prepared for the project area are presented in Table 28, “Community Map History.” A description of each of the column headings and the source of the date is also listed below.

- *Community Name* includes communities falling within the geographic area shown on the FIRM, including those that fall on the boundary line, non/participating communities, and communities with maps that have been rescinded. Communities with No Special Flood Hazards are indicated by a footnote. If all maps (FHBM, FBFM, and FIRM) were rescinded for a community, it is not listed in this table unless SFHAs have been identified in this community.
- *Initial Identification Date (First NFIP Map Published)* is the date of the first NFIP map that identified flood hazards in the community. If the FHBM has been converted to a FIRM, the initial FHBM date is shown. If the community has never been mapped, the upcoming effective date or “pending” (for Preliminary FIS Reports) is shown. If the community is listed in Table but not identified on the map, the community is treated as if it were unmapped.
- *Initial FHBM Effective Date* is the effective date of the first Flood Hazard Boundary Map (FHBM). This date may be the same date as the Initial NFIP Map Date.
- *FHBM Revision Date(s)* is the date(s) that the FHBM was revised, if applicable.
- *Initial FIRM Effective Date* is the date of the first effective FIRM for the community. This is the first effective date that is shown on the FIRM panel.
- *FIRM Revision Date(s)* is the date(s) the FIRM was revised, if applicable. This is the revised date that is shown on the FIRM panel, if applicable. As countywide studies are completed or revised, each community listed should have its FIRM dates updated accordingly to reflect the date of the countywide study. Once the FIRMs exist in countywide format, as Physical Map Revisions (PMR) of FIRM panels within the county are completed, the FIRM Revision Dates in the table for each community affected by the PMR are updated with the date of the PMR, even if the PMR did not revise all the panels within that community.

Table 28: Community Map History

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
City of Forest Park	05/31/1974	05/31/1974	05/21/1976	05/16/1977	09/05/2007
City of Jonesboro	05/24/1974	05/24/1974	03/05/1976	09/05/2007	N/A
City of Lake City	05/31/1974	05/31/1974	05/14/1976	09/04/1986	09/05/2007
City of Lovejoy	09/05/2007	N/A	N/A	09/05/2007	N/A
City of Morrow	05/24/1974	05/24/1974	07/30/1976	02/16/1983	09/05/2007
City of Riverdale	06/14/1974	06/14/1974	01/30/1976	02/15/1978	09/05/2007 11/06/1991 01/07/1983
Clayton County Unincorporated Areas	10/31/1975	10/31/1975	N/A	06/15/1978	09/05/2007 11/20/2000 09/20/1996 11/06/1991 05/01/1984

SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION

7.1 Contracted Studies

Table 29 provides a summary of the contracted studies, by flooding source, that are included in this FIS Report.

Table 29: Summary of Contracted Studies Included in this FIS Report

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Beaverdam Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Big Cotton Indian Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Big Cotton Indian Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas

Table 29: Summary of Contracted Studies Included in this FIS Report (Continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Camp Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale, Clayton County Unincorporated Areas
Camp Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Camp Creek Tributary 10	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale, Clayton County Unincorporated Areas
Camp Creek Tributary 12	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Camp Creek Tributary 5	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Conley Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Conley Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Conley Creek Tributary 9	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Conley Creek Tributary 9A	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Connie Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, City of Lake City, City of Morrow, Clayton County Unincorporated Areas
Duffey Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Morrow

Table 29: Summary of Contracted Studies Included in this FIS Report (Continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Flint River	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Flint River Tributary 19	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Flint River Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Flint River Tributary 21	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Flint River Tributary 25	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale, Clayton County Unincorporated Areas
Flint River Tributary 25B	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale, Clayton County Unincorporated Areas
Flint River Tributary 26	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale, Clayton County Unincorporated Areas
Flint River Tributary 26A	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale
Flint River Tributary 29	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Flint River Tributary A	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Hurricane Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Hurricane Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Jester Creek Tributary 1	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Jester Creek Tributary 6	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park

Table 29: Summary of Contracted Studies Included in this FIS Report (Continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Jesters Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Jesters Creek Tributary 1	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Jesters Creek Tributary 3	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Mud Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Mud Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
North Fork Jester Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Lake City, City of Morrow, Clayton County Unincorporated Areas
North Fork Jester Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Morrow, Clayton County Unincorporated Areas
Panther Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Panther Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Panther Creek Tributary 8	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Pates Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Pates Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas

Table 29: Summary of Contracted Studies Included in this FIS Report (Continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Pates Creek Tributary 3	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Pates Creek Tributary 3A	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Pates Creek Tributary 4	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Poole Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Poole Creek Tributary	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Poole Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Reeves Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Reeves Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Reeves Creek Tributary 2	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Reeves Creek Tributary 4	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Reeves Creek Tributary 5	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Reeves Creek Tributary 6	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Rum Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Rum Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas

Table 29: Summary of Contracted Studies Included in this FIS Report (Continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Rum Creek Tributary 3	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Rum Creek Tributary 3A	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Rum Creek Tributary 4	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Rum Creek Tributary A	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Shoal Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Shoal Creek Control	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Shoal Creek Tributary 1	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Shoal Creek Tributary 2	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Shoal Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Stratford Tributary	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Morrow, Clayton County Unincorporated Areas
Stream CT	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale
Stream CT-A	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale
Stream D	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Riverdale, Clayton County Unincorporated Areas
Sullivan Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas

Table 29: Summary of Contracted Studies Included in this FIS Report (Continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Sullivan Creek Tributary 1	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Swamp Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Jonesboro, Clayton County Unincorporated Areas
Swamp Creek Tributary 1	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Tar Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Unnamed Creek and Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Upton Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park, Clayton County Unincorporated Areas
Upton Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Wallis Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
Wallis Creek Tributaries	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	Clayton County Unincorporated Areas
West Tributary to Jester Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Forest Park
York Creek	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Morrow, Clayton County Unincorporated Areas
York Tributary 1	To Be Determined	CH2MHILL	EMA-2011-CA-5144	3/3/2014	City of Morrow, Clayton County Unincorporated Areas

7.2 Community Meetings

The dates of the community meetings held for this FIS project and any previous FIS projects are shown in Table 30. These meetings may have previously been referred to by a variety of names (Community Coordination Officer (CCO), Scoping, Discovery, etc.), but all meetings represent opportunities for FEMA, community officials, study contractors, and other invited guests to discuss the planning for and results of the project.

Table 30: Community Meetings

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Clayton County and Incorporated Areas	06/15/1978	05/15/1978	Initial CCO	FEMA, FIA, USACE, PBS&J, Study Contractor, City of Forest Park, City of Jonesboro, City of Lake City, City of Lovejoy, City of Morrow, City of Riverdale
	05/01/1984			
	11/06/1991	10/17/1978	Final CCO	
	11/20/2000			
Clayton County and Incorporated Areas	05/02/1983 04/30/2015	06/12/1979	Initial CCO	FEMA, FIA, USACE, Clayton County, Study Contractor
		04/12/1982	Intermediate CCO	
		12/10/1982	Final CCO	
		07/08/14	Resilience Meeting	
		03/05/2012	Discovery Meeting	
City of Forest Park	11/1976	*	Initial CCO	City of Forest Park, FEMA, FIA, USACE, Study Contractor
		03/25/1975	Final CCO	
City of Morrow	08/16/1982	06/14/1979	Initial CCO	City of Morrow, FEMA, Study Contractor
		03/29/1982	Final CCO	
City of Riverdale	11/06/1991	05/22/1975	Initial CCO	City of Riverdale, FEMA, FIA, USACE, Study Contractor
		10/14/1976	Final CCO	

SECTION 8.0 – ADDITIONAL INFORMATION

Information concerning the pertinent data used in the preparation of this FIS Report can be obtained by submitting an order with any required payment to the FEMA Engineering Library. For more information on this process, see <http://www.fema.gov>.

Table 31 is a list of the locations where FIRMs for Clayton County can be viewed. Please note that the maps at these locations are for reference only and are not for distribution. Also, please note that only the maps for the community listed in the table are available at that particular repository. A user may need to visit another repository to view maps from an adjacent community.

Table 31: Map Repositories

Community	Address	City	State	Zip Code
City of Forest Park	Clayton County Water Authority 1600 Battle Creek Road	Morrow	GA	30260
City of Jonesboro	Clayton County Water Authority 1600 Battle Creek Road	Morrow	GA	30260
City of Lake City	Clayton County Water Authority 1600 Battle Creek Road	Morrow	GA	30260
City of Lovejoy	Clayton County Water Authority 1600 Battle Creek Road	Morrow	GA	30260
City of Morrow	Clayton County Water Authority 1600 Battle Creek Road	Morrow	GA	30260
City of Riverdale	Clayton County Water Authority 1600 Battle Creek Road	Morrow	GA	30260
Clayton County Unincorporated Areas	Clayton County Water Authority 1600 Battle Creek Road	Morrow	GA	30260

The National Flood Hazard Layer (NFHL) dataset is a compilation of effective FIRM databases and LOMCs. Together they create a GIS data layer for a State or Territory. The NFHL is updated as studies become effective and extracts are made available to the public monthly. NFHL data can be viewed or ordered from the website shown in Table 32.

Table 32 contains useful contact information regarding the FIS Report, the FIRM, and other relevant flood hazard and GIS data. In addition, information about the state NFIP Coordinator and GIS Coordinator is shown in this table. At the request of FEMA, each Governor has designated an agency of State or territorial government to coordinate that State's or territory's NFIP activities. These agencies often assist communities in developing and adopting necessary floodplain management measures. State GIS Coordinators are knowledgeable about the availability and location of state and local GIS data in their state.

Table 32: Additional Information

FEMA and the NFIP	
FEMA and FEMA Engineering Library website	http://www.fema.gov
NFIP website	http://www.fema.gov/business/nfip
NFHL Dataset	http://msc.fema.gov
FEMA Region IV	3003 Chamblee Tucker Road Atlanta, GA 30341 (770) 220-5515
Other Federal Agencies	
USGS website	http://www.usgs.gov
Hydraulic Engineering Center website	http://www.hec.usace.army.mil
State Agencies and Organizations	
State NFIP Coordinator	State National Floodplain Insurance Program (NFIP) Coordinator Tom Shillock, CFM Georgia Dept of Natural Resources 4220 International Parkway, Suite 101 Atlanta, GA 30354 (404) 362-2606 Tom.Shillock@dnr.state.ga.us
State GIS Coordinator	State GIS Coordinator Lisa Westin Senior GIS Specialist Department of Community Affairs 60 Executive Park South, N.E. Atlanta, GA 30329 404-679-3125 lwestin@dca.state.ga.us

SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES

Table 33 includes sources used in the preparation of this study and cited in this FIS Report as well as additional studies that have been conducted in the study area.

Table 33: Bibliography and References

Citation in this FIS	Publisher/ Issuer	<i>Publication Title, "Article," Volume, Number, etc.</i>	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
CCWA FPM Study	Clayton County Water Authority	CCWA Countywide Detailed Floodplain Mapping Study	CH2M Hill	Clayton County, GA	June 2012	https://msc.fema.gov
Effective Clayton FIS	FEMA	Flood Insurance Study, Clayton County, Georgia and Incorporated Areas	PBSJ	Atlanta, GA	August 16, 2007	https://msc.fema.gov
Effective Henry FIS	FEMA	Flood Insurance Study, Henry County, Georgia and Incorporated Areas	PBSJ	Atlanta, GA	May 16, 2006	https://msc.fema.gov
Effective Fulton FIS	FEMA	Flood Insurance Study, Fulton County, Georgia and Incorporated Areas	Atkins	Atlanta, GA	September 18, 2013	https://msc.fema.gov